

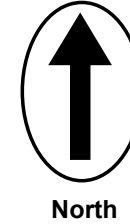
Date: 09/10/24

Count Number: TMC 2401

Location: CSAH 1

@ Blackfoot St NW

Collection Period: 24 HR



5279

#2

2876			
1582	793	501	0
E	F	G	H

2403

Blackfoot St NW

CSAH 1

I	670	6789
J	5158	
K	901	
L	60	

#3

13134

6345

7315

#1

13903

6588	13	D
	1074	C
	4941	B
	560	A

CSAH 1

P	O	N	M
3	562	659	843
2067			

#4

4324

Mercy Hospital

2257

Anoka County Highway Department

Traffic Volume and Turning Movement Study

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

Date: 09/10/24

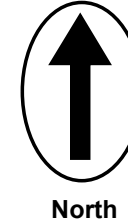
Count Number: TMC 2401

Location: CSAH 1

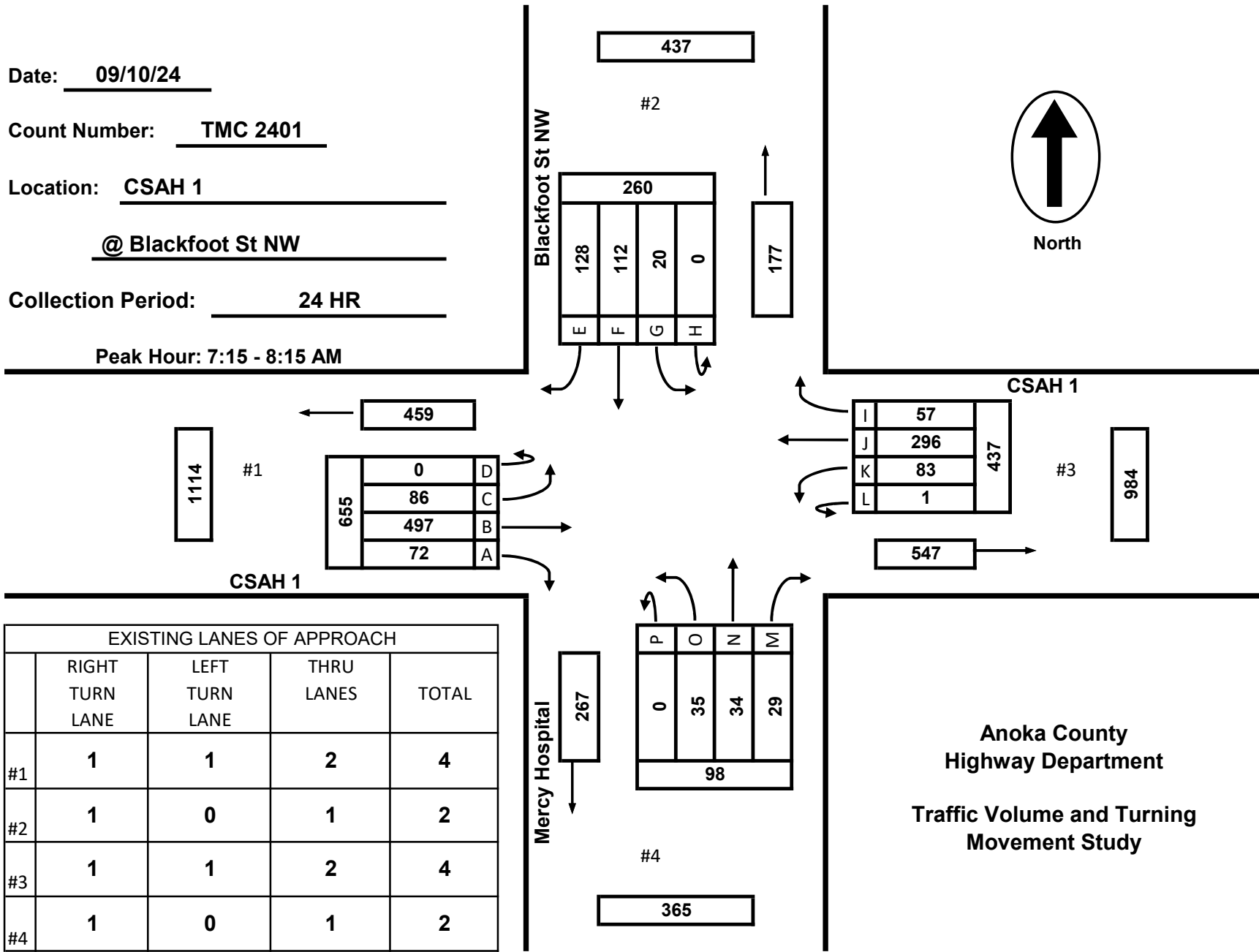
@ Blackfoot St NW

Collection Period: 24 HR

Peak Hour: 7:15 - 8:15 AM



North



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

Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Date: 09/10/24

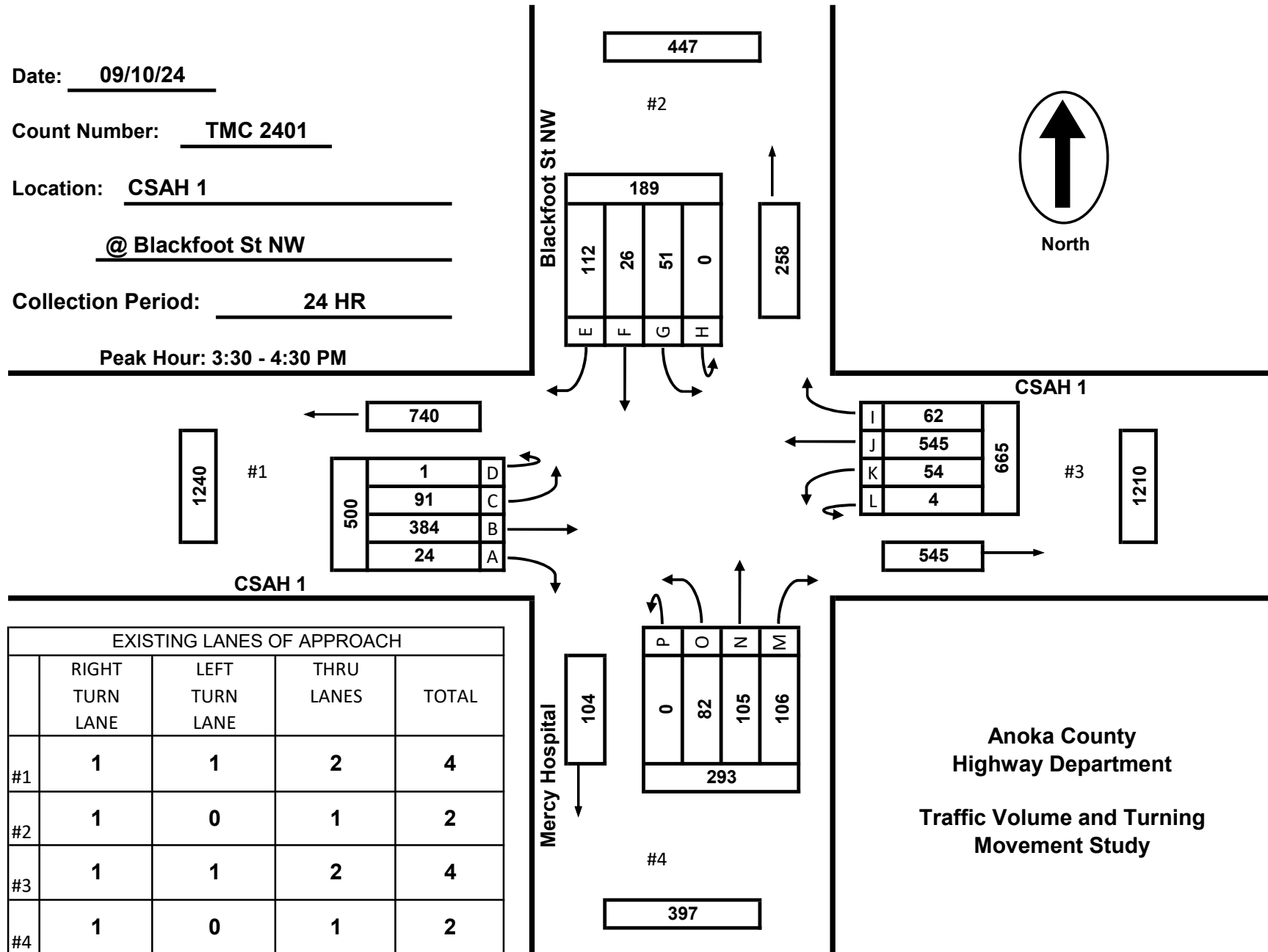
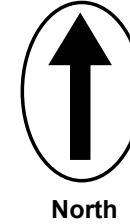
Count Number: TMC 2401

Location: CSAH 1

@ Blackfoot St NW

Collection Period: 24 HR

Peak Hour: 3:30 - 4:30 PM



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

Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

**TMC 2401 - CSAH 1 @ Blackfoot St NW
Coon Rapids MN
Tuesday, September 10, 2024**

Time	Southbound Blackfoot St NW						Westbound CSAH 1						Northbound Blackfoot St 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	0	4	1	0	5	0	0	5	3	0	8	0	4	7	0	0	11	24
12:15 AM	0	0	0	1	0	1	0	2	4	0	0	6	0	0	0	0	0	0	0	0	5	0	0	5	12
12:30 AM	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	1	0	2	0	0	7	0	0	7	12
12:45 AM	0	1	0	1	0	2	0	0	4	0	0	4	0	1	0	0	0	1	0	2	6	0	0	8	15
Hourly Total	0	1	0	2	0	3	0	2	15	1	0	18	0	2	5	4	0	11	0	6	25	0	0	31	63
1:00 AM	0	0	0	1	0	1	0	0	2	0	0	2	0	1	1	0	0	2	0	2	9	0	0	11	16
1:15 AM	0	1	0	1	0	2	0	0	4	0	0	4	0	0	0	0	0	0	0	0	4	1	0	5	11
1:30 AM	0	0	0	2	0	2	0	0	2	0	0	2	0	0	0	0	0	0	1	1	11	0	0	13	17
1:45 AM	0	0	0	1	0	1	0	0	5	0	0	5	0	0	0	0	0	0	0	1	0	0	0	1	7
Hourly Total	0	1	0	5	0	6	0	0	13	0	0	13	0	1	1	0	0	2	1	4	24	1	0	30	51
2:00 AM	0	2	0	3	0	5	0	2	2	1	0	5	0	0	0	0	0	0	0	0	7	0	0	7	17
2:15 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	2	0	0	2	3
2:30 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	3
2:45 AM	0	1	0	0	0	1	0	1	1	0	0	2	0	0	0	0	0	0	0	0	6	0	0	6	9
Hourly Total	0	3	0	3	0	6	0	3	5	1	0	9	0	0	0	0	1	0	0	0	17	0	0	17	32
3:00 AM	0	1	0	1	0	2	0	0	5	1	0	6	0	0	0	0	0	0	0	0	5	0	0	5	13
3:15 AM	0	0	0	1	0	1	0	0	4	0	0	4	0	0	0	0	0	0	0	0	4	0	0	4	9
3:30 AM	0	0	0	1	0	1	0	0	2	1	0	3	0	0	0	0	0	0	0	0	5	0	0	5	9
3:45 AM	0	0	0	1	0	1	0	0	5	0	0	5	0	0	0	0	0	0	0	5	4	0	0	9	15
Hourly Total	0	1	0	4	0	5	0	0	16	2	0	18	0	0	0	0	0	0	0	5	18	0	0	23	46
4:00 AM	0	0	0	2	0	2	0	0	8	1	0	9	0	0	0	1	0	1	0	0	5	0	0	5	17
4:15 AM	0	0	4	1	0	5	0	2	6	1	0	9	0	0	0	0	0	0	0	2	3	1	0	6	20
4:30 AM	0	2	2	5	0	9	0	0	19	1	0	20	0	0	0	0	0	0	0	1	6	0	0	7	36
4:45 AM	0	4	2	8	0	14	0	1	19	0	0	20	0	1	0	0	0	1	0	2	5	0	0	7	42
Hourly Total	0	6	8	16	0	30	0	3	52	3	0	58	0	1	0	1	0	2	0	5	19	1	0	25	115
5:00 AM	0	3	2	2	0	7	0	0	20	1	0	21	0	0	0	1	0	1	0	0	7	0	0	7	36
5:15 AM	0	2	3	12	0	17	0	2	14	2	0	18	0	0	0	2	0	2	0	0	23	2	0	25	62
5:30 AM	0	3	6	8	0	17	0	7	28	2	0	37	0	0	2	2	0	4	0	1	29	0	0	30	88
5:45 AM	0	0	8	15	0	23	0	8	23	1	0	32	0	0	1	0	0	1	0	3	19	9	0	31	87
Hourly Total	0	8	19	37	0	64	0	17	85	6	0	108	0	0	3	5	0	8	0	4	78	11	0	93	273
6:00 AM	0	2	8	14	0	24	0	7	33	3	0	43	0	0	1	0	0	1	0	2	37	8	0	47	115
6:15 AM	0	4	24	20	0	48	0	10	36	5	0	51	0	0	1	1	0	2	0	1	36	14	0	51	152
6:30 AM	0	3	35	46	0	84	0	24	56	5	0	85	0	3	2	1	0	6	0	9	47	12	1	68	243
6:45 AM	0	5	72	49	0	126	0	30	73	3	0	106	0	0	1	4	0	5	0	13	56	30	1	99	336
Hourly Total	0	14	139	129	0	282	0	71	198	16	0	285	0	3	5	6	0	14	0	25	176	64	2	265	846
7:00 AM	0	5	32	18	0	55	1	15	51	12	0	79	0	3	2	8	0	13	0	7	71	15	0	93	240
7:15 AM	0	5	27	30	0	62	0	18	73	14	0	105	0	3	2	3	0	8	0	12	82	20	0	114	289
7:30 AM	0	3	34	18	0	55	0	25	72	16	0	113	0	22	24	12	0	58	0	31	161	15	0	207	433
7:45 AM	0	8	27	54	0	89	1	24	78	15	0	118	0	3	6	6	0	15	0	20	136	20	0	176	398
Hourly Total	0	21	120	120	0	261	2	82	274	57	0	415	0	31	34	29	0	94	0	70	450	70	0	590	1360

TMC 2401 - CSAH 1 @ Blackfoot St NW
Coon Rapids MN
Tuesday, September 10, 2024

Time	Southbound Blackfoot St NW						Westbound CSAH 1						Northbound Blackfoot St 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	4	24	26	0	54	0	16	73	12	0	101	0	7	2	8	0	17	0	23	118	17	0	158	330
8:15 AM	0	5	11	19	0	35	0	18	62	9	0	89	0	2	9	11	0	22	0	19	95	10	0	124	270
8:30 AM	0	12	17	19	0	48	2	22	56	11	0	91	0	4	2	17	0	23	0	15	53	15	0	83	245
8:45 AM	0	10	19	31	0	60	2	22	59	13	0	96	0	12	17	12	0	41	0	14	81	14	0	109	306
Hourly Total	0	31	71	95	0	197	4	78	250	45	0	377	0	25	30	48	0	103	0	71	347	56	0	474	1151
9:00 AM	0	11	13	16	0	40	1	21	64	16	0	102	0	7	11	11	0	29	0	13	72	8	0	93	264
9:15 AM	0	8	18	25	0	51	1	17	66	10	0	94	0	3	9	10	0	22	0	19	87	18	2	124	291
9:30 AM	0	9	12	11	0	32	1	15	74	6	1	96	0	7	8	12	0	27	0	15	73	18	2	106	261
9:45 AM	0	5	14	13	0	32	1	15	88	22	1	126	0	5	9	17	0	31	0	8	81	16	0	105	294
Hourly Total	0	33	57	65	0	155	4	68	292	54	2	418	0	22	37	50	0	109	0	55	313	60	4	428	1110
10:00 AM	0	7	18	28	0	53	2	23	62	9	0	96	0	8	19	18	0	45	0	10	71	12	1	93	287
10:15 AM	0	9	23	32	0	64	2	20	66	11	0	99	0	12	13	22	0	47	1	17	66	11	0	95	305
10:30 AM	0	9	11	33	0	53	0	15	80	8	0	103	0	9	6	18	0	33	0	18	89	11	0	118	307
10:45 AM	0	9	13	21	0	43	4	22	71	8	0	105	0	13	2	17	0	32	0	21	77	14	2	112	292
Hourly Total	0	34	65	114	0	213	8	80	279	36	0	403	0	42	40	75	0	157	1	66	303	48	3	418	1191
11:00 AM	0	16	13	26	0	55	2	18	84	6	0	110	0	16	16	17	0	49	1	18	55	13	0	87	301
11:15 AM	0	14	9	19	0	42	1	10	72	13	0	96	0	13	9	18	0	40	0	15	78	4	1	97	275
11:30 AM	0	10	8	32	0	50	0	9	67	14	0	90	0	9	12	23	0	44	0	14	89	10	0	113	297
11:45 AM	0	8	11	17	0	36	1	11	79	5	1	96	0	14	12	17	0	43	2	12	90	7	0	111	286
Hourly Total	0	48	41	94	0	183	4	48	302	38	1	392	0	52	49	75	0	176	3	59	312	34	1	408	1159
12:00 PM	0	6	4	24	0	34	3	7	72	8	2	90	0	16	13	21	0	50	1	20	69	3	2	93	267
12:15 PM	0	9	12	26	0	47	0	15	98	6	1	119	0	7	6	13	3	26	0	20	65	12	2	97	289
12:30 PM	0	6	12	26	0	44	2	20	72	16	0	110	0	7	6	7	0	20	0	23	79	9	0	111	285
12:45 PM	0	10	10	29	0	49	1	30	81	15	1	127	0	4	6	6	0	16	0	11	69	15	1	95	287
Hourly Total	0	31	38	105	0	174	6	72	323	45	4	446	0	34	31	47	3	112	1	74	282	39	5	396	1128
1:00 PM	0	8	13	25	0	46	4	22	65	12	1	103	0	5	4	15	0	24	0	12	73	10	1	95	268
1:15 PM	0	13	11	22	0	46	2	21	95	13	2	131	0	7	10	19	1	36	1	18	77	6	3	102	315
1:30 PM	0	18	11	18	0	47	1	22	82	12	0	117	0	8	12	12	2	32	0	16	86	6	0	108	304
1:45 PM	0	11	14	26	0	51	0	23	134	17	0	174	0	11	10	16	0	37	0	13	91	11	1	115	377
Hourly Total	0	50	49	91	0	190	7	88	376	54	3	525	0	31	36	62	3	129	1	59	327	33	5	420	1264
2:00 PM	0	12	17	29	0	58	1	15	88	16	0	120	0	13	11	28	0	52	0	29	76	12	0	117	347
2:15 PM	0	7	8	21	0	36	0	30	97	14	0	141	0	15	14	21	2	50	0	19	89	11	0	119	346
2:30 PM	0	11	17	35	0	63	0	25	83	13	2	121	0	16	24	26	0	66	0	24	71	11	4	106	356
2:45 PM	0	13	17	35	0	65	0	22	110	28	0	160	0	13	17	20	0	50	0	17	77	14	0	108	383
Hourly Total	0	43	59	120	0	222	1	92	378	71	2	542	0	57	66	95	2	218	0	89	313	48	4	450	1432
3:00 PM	0	10	12	31	0	53	4	17	94	13	1	128	1	17	21	27	2	66	0	14	94	6	0	114	361
3:15 PM	0	10	7	41	0	58	1	14	92	10	0	117	0	18	25	26	0	69	0	26	99	6	0	131	375
3:30 PM	0	11	9	22	0	42	1	19	108	19	0	147	0	35	48	24	2	107	0	44	106	3	0	153	449
3:45 PM	0	10	5	24	0	39	3	18	137	15	2	173	0	13	18	32	0	63	0	20	97	11	0	128	403
Hourly Total	0	41	33	118	0	192	9	68	431	57	3	565	1	83	112	109	4	305	0	104	396	26	0	526	1588

TMC 2401 - CSAH 1 @ Blackfoot St NW
Coon Rapids MN
Tuesday, September 10, 2024

Time	Southbound Blackfoot St NW						Westbound CSAH 1						Northbound Blackfoot St 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	14	7	30	0	51	0	10	151	13	2	174	0	23	25	25	0	73	0	11	95	4	2	110	408
4:15 PM	0	16	5	36	0	57	0	7	149	15	0	171	0	11	14	25	0	50	1	16	86	6	0	109	387
4:30 PM	0	19	4	37	0	60	1	6	152	14	0	173	0	20	20	31	0	71	0	16	123	1	0	140	444
4:45 PM	0	13	3	27	0	43	0	10	125	13	1	148	0	15	13	12	0	40	0	19	87	1	1	107	338
Hourly Total	0	62	19	130	0	211	1	33	577	55	3	666	0	69	72	93	0	234	1	62	391	12	3	466	1577
5:00 PM	0	7	1	21	0	29	2	6	143	18	1	169	0	15	15	13	1	43	0	22	84	2	1	108	349
5:15 PM	0	8	3	27	0	38	0	3	123	4	0	130	1	15	7	20	0	43	1	15	71	7	0	94	305
5:30 PM	0	6	0	21	0	27	0	5	114	14	0	133	0	9	12	6	1	27	0	22	85	1	0	108	295
5:45 PM	0	3	6	19	0	28	0	8	95	14	0	117	0	5	4	3	0	12	0	10	64	2	0	76	233
Hourly Total	0	24	10	88	0	122	2	22	475	50	1	549	1	44	38	42	2	125	1	69	304	12	1	386	1182
6:00 PM	0	6	4	21	1	31	2	4	87	2	0	95	0	2	2	7	0	11	0	12	71	2	1	85	222
6:15 PM	0	4	7	25	0	36	1	0	79	9	0	89	0	5	4	4	1	13	0	15	79	3	0	97	235
6:30 PM	0	5	7	13	0	25	1	8	62	2	0	73	0	3	7	2	0	12	1	16	63	7	0	87	197
6:45 PM	0	6	13	26	0	45	1	7	58	5	1	71	0	6	5	2	1	13	0	13	48	9	2	70	199
Hourly Total	0	21	31	85	1	137	5	19	286	18	1	328	0	16	18	15	2	49	1	56	261	21	3	339	853
7:00 PM	0	3	2	21	0	26	3	2	44	7	0	56	0	3	7	4	0	14	0	14	56	4	0	74	170
7:15 PM	0	5	2	15	0	22	2	4	49	6	0	61	0	5	5	4	1	14	0	22	49	2	0	73	170
7:30 PM	0	0	2	11	0	13	0	5	57	3	0	65	0	16	24	13	0	53	0	21	61	1	0	83	214
7:45 PM	0	5	2	8	0	15	0	5	46	6	0	57	0	4	4	6	0	14	0	13	46	2	0	61	147
Hourly Total	0	13	8	55	0	76	5	16	196	22	0	239	0	28	40	27	1	95	0	70	212	9	0	291	701
8:00 PM	0	2	1	15	0	18	0	2	36	4	0	42	0	1	6	4	0	11	0	14	56	0	0	70	141
8:15 PM	0	1	0	7	0	8	0	4	33	6	0	43	0	4	0	3	0	7	0	12	34	1	0	47	105
8:30 PM	0	1	0	8	0	9	2	0	41	2	0	45	0	2	3	3	0	8	0	8	26	1	0	35	97
8:45 PM	0	2	2	11	0	15	0	2	28	4	0	34	0	2	3	2	0	7	0	11	31	1	0	43	99
Hourly Total	0	6	3	41	0	50	2	8	138	16	0	164	0	9	12	12	0	33	0	45	147	3	0	195	442
9:00 PM	0	2	3	5	0	10	0	4	25	3	0	32	0	1	1	3	0	5	0	6	27	2	0	35	82
9:15 PM	0	1	0	4	0	5	0	4	27	4	0	35	0	1	2	2	0	5	0	7	31	0	0	38	83
9:30 PM	0	1	3	10	0	14	0	2	20	2	0	24	0	1	3	4	0	8	0	9	27	2	0	38	84
9:45 PM	0	2	1	3	0	6	0	4	21	6	0	31	0	2	0	4	0	6	1	9	19	0	0	29	72
Hourly Total	0	6	7	22	0	35	0	14	93	15	0	122	0	5	6	13	0	24	1	31	104	4	0	140	321
10:00 PM	0	1	1	6	0	8	0	1	16	2	0	19	0	0	0	3	0	3	1	6	20	1	0	28	58
10:15 PM	0	1	3	12	0	16	0	2	20	1	0	23	0	0	1	3	0	4	0	6	15	3	0	24	67
10:30 PM	0	0	1	4	0	5	0	1	20	0	0	21	0	0	2	1	0	3	0	3	11	0	0	14	43
10:45 PM	0	0	7	11	0	18	0	6	19	0	0	25	0	0	0	3	0	3	0	4	17	1	0	22	68
Hourly Total	0	2	12	33	0	47	0	10	75	3	0	88	0	0	3	10	0	13	1	19	63	5	0	88	236
11:00 PM	0	0	0	6	0	6	0	2	7	1	0	10	0	1	4	12	0	17	0	8	21	1	0	30	63
11:15 PM	0	1	2	0	0	3	0	4	14	2	0	20	1	1	1	1	0	4	0	4	8	1	0	13	40
11:30 PM	0	0	1	3	0	4	0	1	5	1	0	7	0	4	15	11	0	30	1	10	19	0	0	30	71
11:45 PM	0	0	1	1	0	2	0	0	3	1	0	4	0	1	1	1	0	3	0	4	11	1	0	16	25
Hourly Total	0	1	4	10	0	15	0	7	29	5	0	41	1	7	21	25	0	54	1	26	59	3	0	89	199
DAILY TOTAL	0	501	793	1582	1	2876	60	901	5158	670	20	6789	3	562	659	843	18	2067	13	1074	4941	560	31	6588	18320
Cars	0	492	783	1544	1	2819	60	879	4983	656	20	6578	3	555	652	831	15	2041	13	1059	4762	552	31	6386	17824
Heavy Vehicles	0	9	10	38	0	57	0	22	175	14	0	211	0	7	7	12	3	26	0	15	179	8	0	202	496
Heavy Vehicle %	0.00%	1.80%	1.26%	2.40%	0.00%	1.98%	0.00%	2.44%	3.39%	2.09%	0.00%	3.11%	0.00%	1.25%	1.06%	1.42%	16.67%	1.26%	0.00%	1.40%	3.62%	1.43%	0.00%	3.07%	2.71%

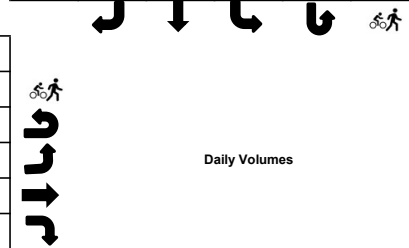
TMC 2401 - CSAH 1 @ Blackfoot St NW
Coon Rapids MN
Tuesday, September 10, 2024
AM Peak Hour

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	5	27	30	0	62	0	18	73	14	0	105	0	3	2	3	0	8	0	12	82	20	0	114	289
7:30 AM	0	3	34	18	0	55	0	25	72	16	0	113	0	22	24	12	0	58	0	31	161	15	0	207	433
7:45 AM	0	8	27	54	0	89	1	24	78	15	0	118	0	3	6	6	0	15	0	20	136	20	0	176	398
8:00 AM	0	4	24	26	0	54	0	16	73	12	0	101	0	7	2	8	0	17	0	23	118	17	0	158	330
Peak Hour Total	0	20	112	128	0	260	1	83	296	57	0	437	0	35	34	29	0	98	0	86	497	72	0	655	1450
PHF	0.000	0.625	0.824	0.593	0.000	0.730	0.250	0.830	0.949	0.891	0.000	0.926	0.000	0.398	0.354	0.604	0.000	0.422	0.000	0.694	0.772	0.900	0.000	0.791	0.837

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	11	9	22	0	42	1	19	108	19	0	147	0	35	48	24	2	107	0	44	106	3	0	153	449
3:45 PM	0	10	5	24	0	39	3	18	137	15	2	173	0	13	18	32	0	63	0	20	97	11	0	128	403
4:00 PM	0	14	7	30	0	51	0	10	151	13	2	174	0	23	25	25	0	73	0	11	95	4	2	110	408
4:15 PM	0	16	5	36	0	57	0	7	149	15	0	171	0	11	14	25	0	50	1	16	86	6	0	109	387
Peak Hour Total	0	51	26	112	0	189	4	54	545	62	4	665	0	82	105	106	2	293	1	91	384	24	2	500	1647
PHF	0.000	0.797	0.722	0.778	0.000	0.829	0.333	0.711	0.902	0.816	0.500	0.955	0.000	0.586	0.547	0.828	0.250	0.685	0.250	0.517	0.906	0.545	0.250	0.817	0.917

Total Vehicles On Leg				5279			
Vehicles Entering Intersection				2876			
Vehicles Exiting Intersection				2403			
Southbound							
Cars	1544	783	492	0	1		
Heavy	38	10	9	0	0		
Total	1582	793	501	0	1		



Total Vehicles on Leg 13903	Eastbound	Vehicles Entering Intersection	6588		
		Cars	31	0	31
		Heavy	13	0	13
		Total	1059	15	1074
		Vehicles Exiting Intersection	7315		
		Cars	4762	179	4941
		Heavy	552	8	560

Total Vehicles on Leg 13134	Westbound	Vehicles Entering Intersection	6789		
		Cars	656	14	670
		Heavy	4983	175	5158
		Total	879	22	901
		Vehicles Exiting Intersection	6345		
		Cars	60	0	60
		Heavy	20	0	20

Cars	15	3	555	652	831
Heavy	3	0	7	7	12
Total	18	3	562	659	843
Northbound					
Vehicles Entering Intersection			2067		
Vehicles Exiting Intersection			2257		
Total Vehicles On Leg			4324		

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

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2401

Study Date : 09/13/2024

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 1

Number of Lanes : 2+

Total Approach Volume: 6,588

Westbound: CSAH 1

Number of Lanes :2+

Total Approach Volume: 6,789

Minor Street Approaches

Northbound: Mercy Hospital

Number of Lanes :1

Total Approach Volume: 1,224

Southbound: Blackfoot St NW

Number of Lanes :1

Total Approach Volume: 1,294

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 7 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 11 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 (26) 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 2401

Study Date : 09/13/2024

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

Only 7 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

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

Volume Requirements

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

Time	Major Road				Total	Minor Road		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:15 - 16:15	522	+	611	=	1133	205	73	Yes
16:15 - 17:15	464	+	661	=	1125	123	68	Yes
07:00 - 08:00	590	+	415	=	1005	65	141	Yes
14:15 - 15:15	447	+	550	=	997	138	95	Yes
13:15 - 14:15	442	+	542	=	984	82	107	Yes
08:30 - 09:30	409	+	383	=	792	65	108	Yes
06:00 - 07:00	265	+	285	=	550	8	153	Yes
13:00 - 14:00	420	+	525	=	945	67	99	No
12:45 - 13:45	400	+	478	=	878	56	94	No
12:30 - 13:30	403	+	471	=	874	49	83	No
12:15 - 13:15	398	+	459	=	857	45	80	No
08:00 - 09:00	474	+	377	=	851	55	102	No
12:00 - 13:00	396	+	446	=	842	65	69	No
17:15 - 18:15	363	+	475	=	838	57	36	No
09:45 - 10:45	411	+	424	=	835	81	96	No
10:15 - 11:15	412	+	417	=	829	87	103	No
10:30 - 11:30	414	+	414	=	828	84	94	No
11:45 - 12:45	412	+	415	=	827	81	68	No
10:00 - 11:00	418	+	403	=	821	82	99	No
09:30 - 10:30	399	+	417	=	816	81	97	No
10:45 - 11:45	409	+	401	=	810	90	92	No
11:30 - 12:30	414	+	395	=	809	89	68	No
11:00 - 12:00	408	+	392	=	800	101	89	No
17:30 - 18:30	366	+	434	=	800	43	36	No
08:15 - 09:15	409		378		787	64	98	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2401

Study Date : 09/13/2024

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 = **1**

Volume Requirements

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

Time	Major Road				Total	Minor Road		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:15 - 16:15	522	+	611	=	1133	205	73	Yes
16:15 - 17:15	464	+	661	=	1125	123	68	Yes
07:15 - 08:15	655	+	437	=	1092	69	132	Yes
14:15 - 15:15	447	+	550	=	997	138	95	Yes
13:15 - 14:15	442	+	542	=	984	82	107	Yes
12:15 - 13:15	398	+	459	=	857	45	80	Yes
09:15 - 10:15	428	+	412	=	840	68	91	Yes
17:15 - 18:15	363	+	475	=	838	57	36	Yes
10:15 - 11:15	412	+	417	=	829	87	103	Yes
08:15 - 09:15	409	+	378	=	787	64	98	Yes
11:15 - 12:15	414	+	372	=	786	98	70	Yes
06:15 - 07:15	311	+	321	=	632	12	180	Yes
18:15 - 19:15	328	+	289	=	617	40	47	No
18:30 - 19:30	304	+	261	=	565	41	43	No
18:45 - 19:45	300	+	253	=	553	71	33	No
06:00 - 07:00	265	+	285	=	550	8	153	No
19:00 - 20:00	291	+	239	=	530	68	21	No
19:15 - 20:15	287	+	225	=	512	65	19	No
19:30 - 20:30	261	+	207	=	468	59	13	No
05:45 - 06:45	197	+	211	=	408	8	84	No
19:45 - 20:45	213	+	187	=	400	24	12	No
20:00 - 21:00	195	+	164	=	359	21	9	No
05:30 - 06:30	159	+	163	=	322	5	55	No
20:15 - 21:15	160	+	154	=	314	16	11	No
20:30 - 21:30	151		146		297	15	11	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2401

Study Date : 09/13/2024

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

11 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 = **1**

Volume Requirements

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

Veh/Hr Minor = **84 42**

Major Road CSAH 1

Minor Road Mercy Hospital

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1A?
15:45 - 16:45	487	+	691	=	1178	144	80	Yes
14:45 - 15:45	506	+	552	=	1058	195	89	Yes
13:45 - 14:45	457	+	556	=	1013	114	97	Yes
16:45 - 17:45	417	+	580	=	997	102	41	Yes
07:45 - 08:45	541	+	399	=	940	35	108	Yes
06:45 - 07:45	513	+	403	=	916	57	183	Yes
12:45 - 13:45	400	+	478	=	878	56	94	Yes
09:45 - 10:45	411	+	424	=	835	81	96	Yes
08:45 - 09:45	432	+	388	=	820	74	100	Yes
10:45 - 11:45	409	+	401	=	810	90	92	Yes
05:45 - 06:45	197	+	211	=	408	8	84	Yes
12:30 - 13:30	403		471		874	49	83	No

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
16:00 - 17:00	466	+	666	=	1132	141	81	Yes
15:00 - 16:00	526	+	565	=	1091	196	74	Yes
07:00 - 08:00	590	+	415	=	1005	65	141	Yes
14:00 - 15:00	450	+	542	=	992	123	102	Yes
13:00 - 14:00	420	+	525	=	945	67	99	Yes
17:00 - 18:00	386	+	549	=	935	83	34	Yes
08:00 - 09:00	474	+	377	=	851	55	102	Yes
09:00 - 10:00	428	+	418	=	846	59	90	Yes
12:00 - 13:00	396	+	446	=	842	65	69	Yes
10:00 - 11:00	418	+	403	=	821	82	99	Yes
11:00 - 12:00	408	+	392	=	800	101	89	Yes
18:00 - 19:00	339		328		667	34	52	Yes

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2401

Study Date : 09/13/2024

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.

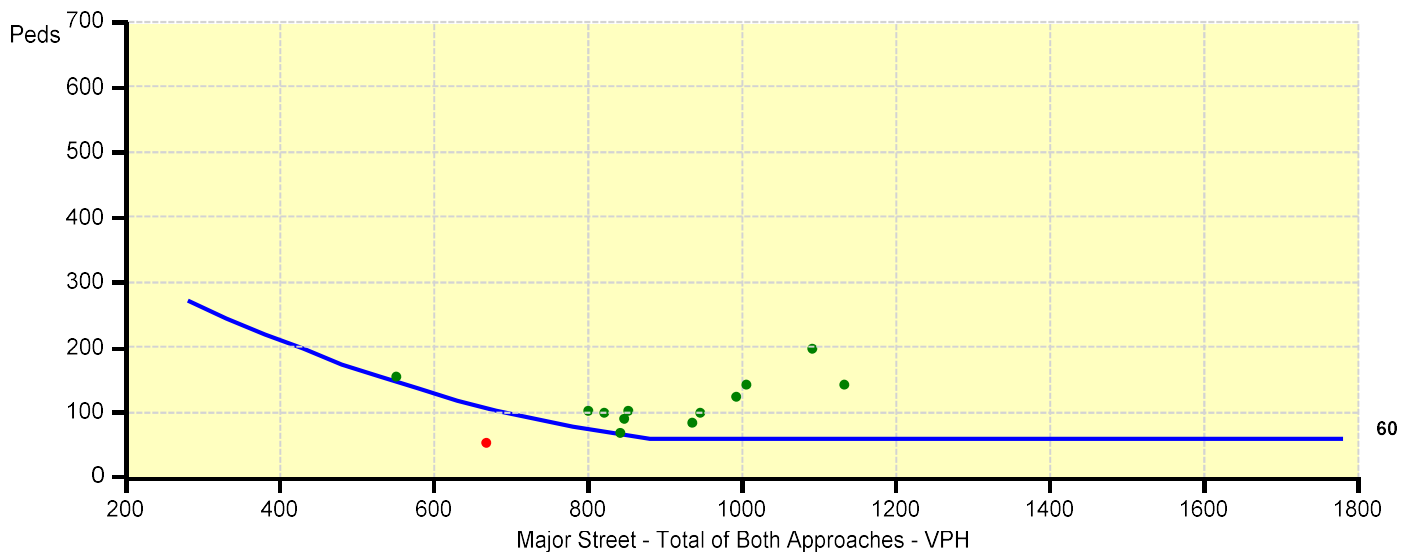
Summary

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 = **1**

Time	Major Road CSAH 1				Total	Minor Road Mercy Hospital		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:00 - 17:00	466	+	666	=	1132	141	81	Yes
15:00 - 16:00	526	+	565	=	1091	196	74	Yes
07:00 - 08:00	590	+	415	=	1005	65	141	Yes
14:00 - 15:00	450	+	542	=	992	123	102	Yes
13:00 - 14:00	420	+	525	=	945	67	99	Yes
17:00 - 18:00	386	+	549	=	935	83	34	Yes
08:00 - 09:00	474	+	377	=	851	55	102	Yes
09:00 - 10:00	428	+	418	=	846	59	90	Yes
12:00 - 13:00	396	+	446	=	842	65	69	Yes
10:00 - 11:00	418	+	403	=	821	82	99	Yes
11:00 - 12:00	408	+	392	=	800	101	89	Yes
06:00 - 07:00	265		285		550	8	153	Yes



ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2401

Study Date : 09/13/2024

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.

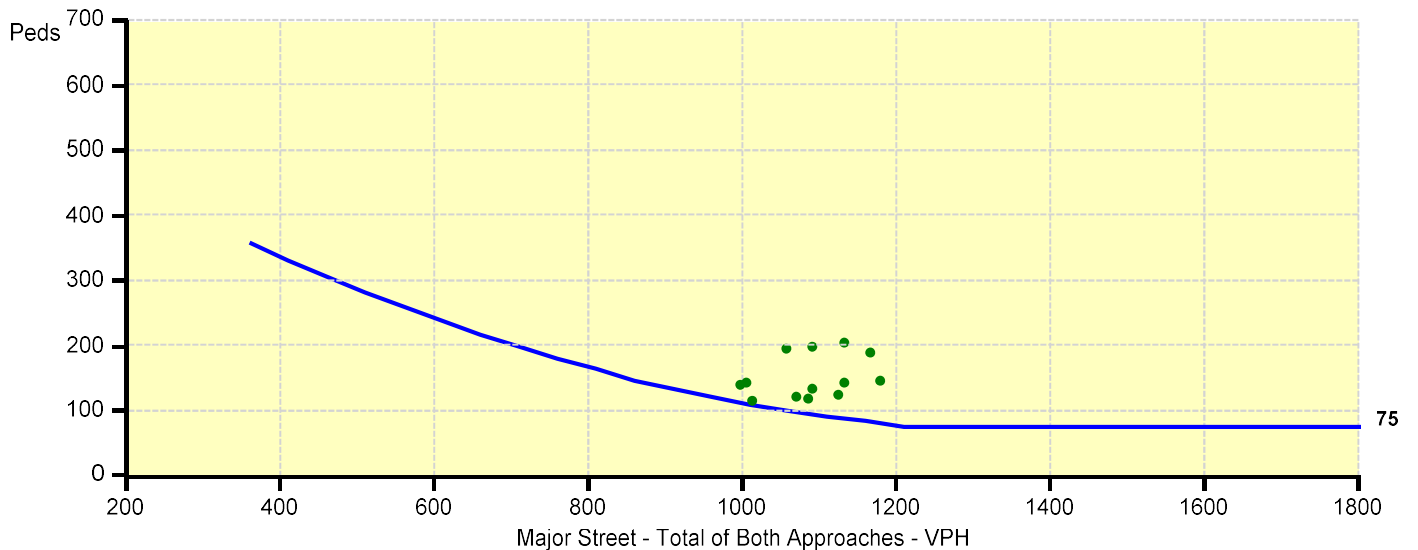
Summary

17 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 1				Total	Minor Road Mercy Hospital		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:45 - 16:45	487	+	691	=	1178	144	80	Yes
15:30 - 16:30	500	+	665	=	1165	187	77	Yes
15:15 - 16:15	522	+	611	=	1133	205	73	Yes
16:00 - 17:00	466	+	666	=	1132	141	81	Yes
16:15 - 17:15	464	+	661	=	1125	123	68	Yes
07:15 - 08:15	655	+	437	=	1092	69	132	Yes
15:00 - 16:00	526	+	565	=	1091	196	74	Yes
07:30 - 08:30	665	+	421	=	1086	75	116	Yes
16:30 - 17:30	449	+	620	=	1069	121	58	Yes
14:45 - 15:45	506	+	552	=	1058	195	89	Yes
13:45 - 14:45	457	+	556	=	1013	114	97	Yes
07:00 - 08:00	590		415		1005	65	141	Yes



ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2401

Study Date : 09/13/2024

Multiway Stop Warrants - Summary

Major Street Approaches

Eastbound: CSAH 1
 Number of Lanes : 2+
 Total Approach Volume: 6,588

Westbound: CSAH 1
 Number of Lanes :2+
 Total Approach Volume: 6,789

Minor Street Approaches

Northbound: Mercy Hospital
 Number of Lanes :1
 Total Approach Volume: 1,224

Southbound: Blackfoot St NW
 Number of Lanes :1
 Total Approach Volume: 1,294

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	1165	983.1	276	209.6	210	140	Yes
07:15 - 08:15	1092		201				
16:30 - 17:30	1069		188				
14:30 - 15:30	985		267				
13:30 - 14:30	1011		214				
10:15 - 11:15	829		199				
12:30 - 13:30	874		161				
09:15 - 10:15	840		171				
11:30 - 12:30	809		186				
08:15 - 09:15	787		172				
17:30 - 18:30	800		92				
06:15 - 07:15	632		197				

Criteria D Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
15:30 - 16:30	1165	983.1	276	209.6	240	160	Yes
07:15 - 08:15	1092		201				
16:30 - 17:30	1069		188				
14:30 - 15:30	985		267				
13:30 - 14:30	1011		214				
10:15 - 11:15	829		199				
12:30 - 13:30	874		161				
09:15 - 10:15	840		171				
11:30 - 12:30	809		186				
08:15 - 09:15	787		172				
17:30 - 18:30	800		92				
06:15 - 07:15	632		197				