

Date : 03/28/23

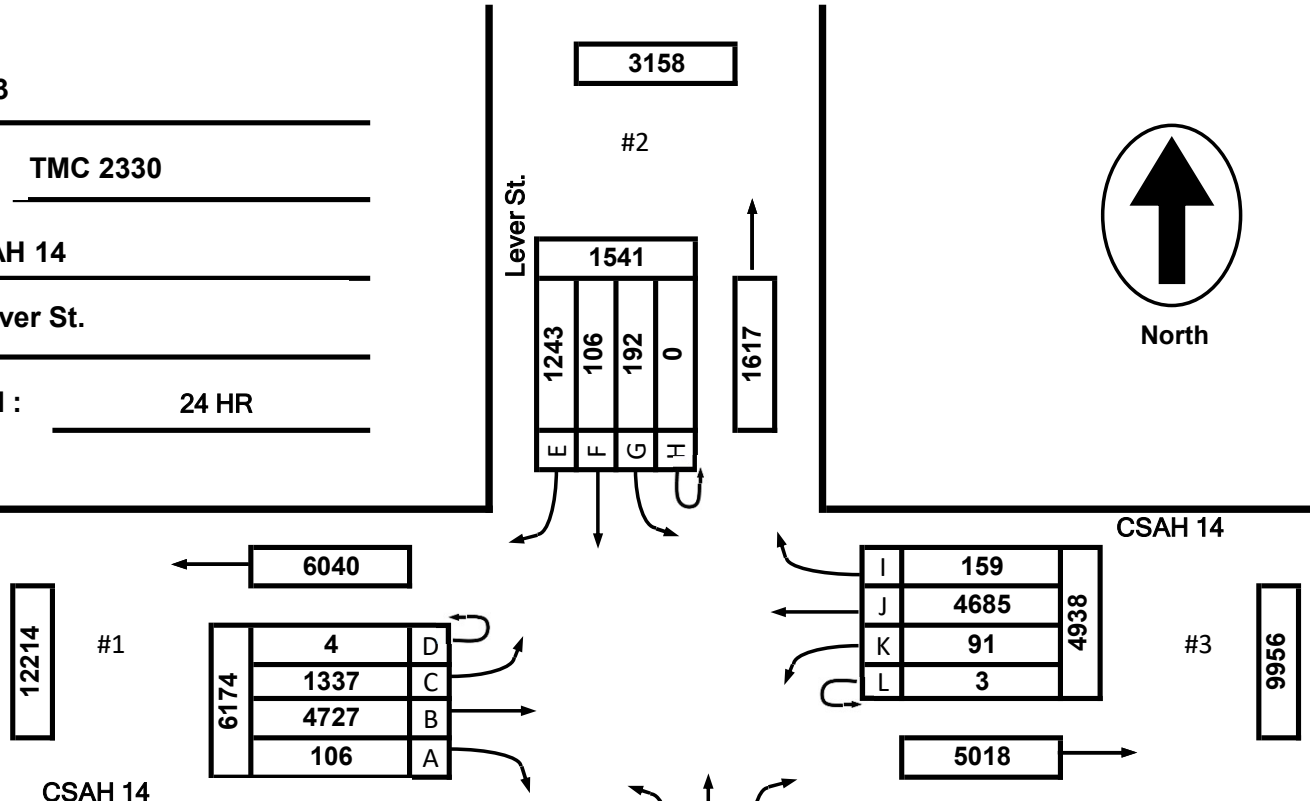
Count Number : TMC 2330

Location : CSAH 14
@ Lever St.

Collection Period : 24 HR



CSAH 14



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

Anoka County Highway Department

Traffic Volume and Turning Movement Study

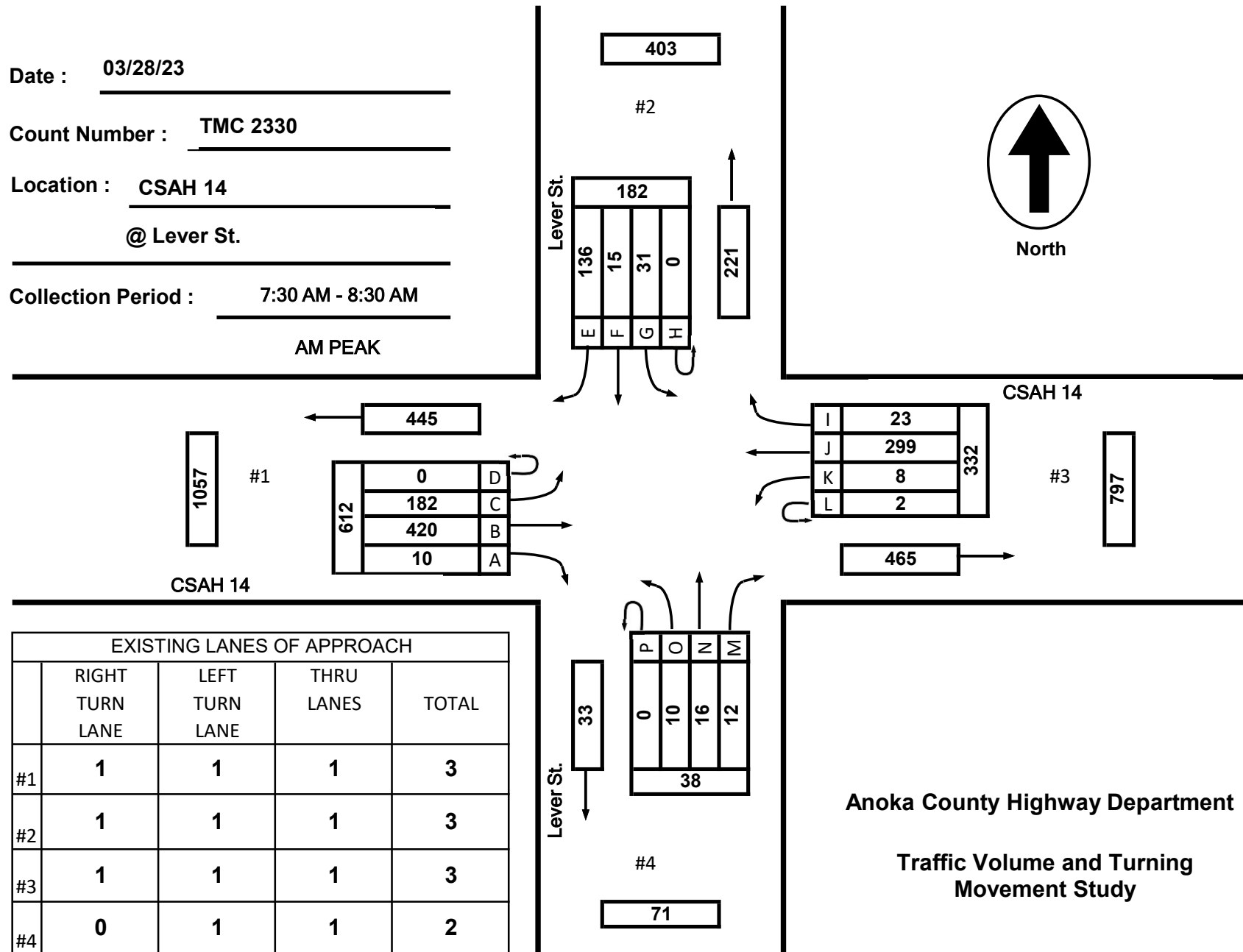
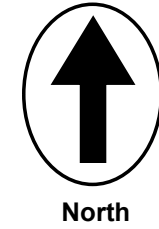
Date : 03/28/23

Count Number : TMC 2330

Location : CSAH 14
@ Lever St.

Collection Period : 7:30 AM - 8:30 AM

AM PEAK



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

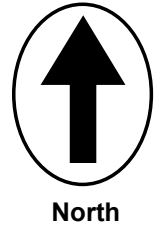
Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 03/28/23

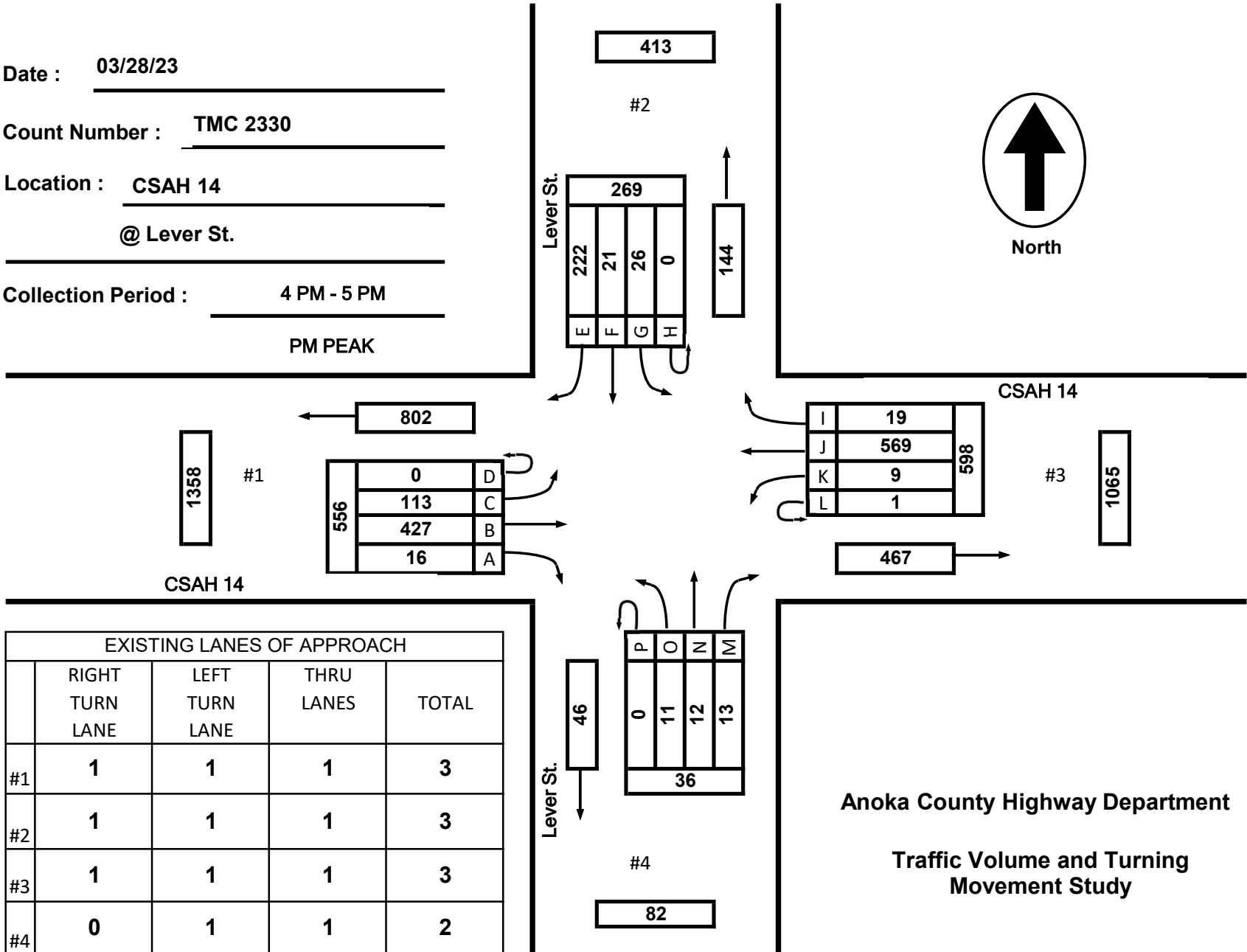
Count Number : TMC 2330

Location : CSAH 14
@ Lever St.

Collection Period : 4 PM - 5 PM
PM PEAK



North



#1
1358

802	
556	
0	D
113	C
427	B
16	A

413

#2

269			
222	21	26	0
E	F	G	H

144

I	19	598
J	569	
K	9	
L	1	

#3
1065

467

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

#4
46

P	O	N	N
0	11	12	13
36			

82

Anoka County Highway Department
 Traffic Volume and Turning Movement Study

TMC 2330 - CSAH 14 @ Lever St.

0 0

Tuesday, March 28, 2023

Time	Southbound 0						Westbound 0						Northbound 0						Eastbound 0						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
12:00 AM	0	0	0	1	0	1	0	1	5	0	0	6	0	0	0	0	0	0	0	0	3	0	0	3	10
12:15 AM	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	1	5	0	0	6	10
12:30 AM	0	1	0	0	0	1	0	0	4	0	0	4	0	0	0	0	0	0	0	1	2	0	0	3	8
12:45 AM	0	0	1	0	0	1	0	0	2	0	0	2	0	0	0	0	0	0	0	4	1	0	0	5	8
Hourly Total	0	1	1	1	0	3	0	1	15	0	0	16	0	0	0	0	0	0	0	6	11	0	0	17	36
1:00 AM	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	1	3	0	0	4	7
1:15 AM	0	0	0	0	0	0	0	0	4	1	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
1:30 AM	0	0	0	1	0	1	0	0	3	0	0	3	0	0	0	0	0	0	0	1	3	0	0	4	8
1:45 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	4	0	0	6	7
Hourly Total	0	0	0	1	0	1	0	0	11	1	0	12	0	0	0	0	0	0	0	4	10	0	0	14	27
2:00 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	3	1	0	5	6
2:15 AM	0	0	0	1	0	1	0	0	4	0	0	4	0	0	0	0	0	0	0	1	1	0	0	2	7
2:30 AM	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	6
2:45 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	2	0	0	2	4
Hourly Total	0	0	0	1	0	1	0	0	10	0	0	10	0	0	0	0	0	0	0	2	9	1	0	12	23
3:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
3:15 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	0	0	3	5
3:30 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	7	0	0	7	8
3:45 AM	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0	0	5	0	0	5	11
Hourly Total	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	0	0	18	0	0	18	27
4:00 AM	0	0	0	1	0	1	0	0	6	0	0	6	0	0	0	0	0	0	0	0	5	0	0	5	12
4:15 AM	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	0	0	0	11	0	0	11	15
4:30 AM	0	0	0	1	0	1	0	0	11	0	0	11	0	0	0	0	0	0	0	0	13	0	0	13	25
4:45 AM	0	0	0	1	0	1	0	0	9	0	0	9	0	0	0	0	0	0	0	0	17	0	0	17	27
Hourly Total	0	0	0	3	0	3	0	1	29	0	0	30	0	0	0	0	0	0	0	0	46	0	0	46	79
5:00 AM	0	0	0	2	0	2	0	0	11	0	0	11	0	1	0	1	0	2	0	0	13	0	0	13	28
5:15 AM	0	0	0	3	0	3	0	0	17	0	0	17	0	0	0	0	0	0	0	0	27	0	0	27	47
5:30 AM	0	1	0	6	0	7	0	0	21	0	0	21	0	2	1	1	0	4	0	1	35	1	0	37	69
5:45 AM	0	1	0	6	0	7	0	0	23	0	0	23	0	0	0	0	0	0	0	6	47	1	0	54	84
Hourly Total	0	2	0	17	0	19	0	0	72	0	0	72	0	3	1	2	0	6	0	7	122	2	0	131	228
6:00 AM	0	1	1	7	0	9	0	0	33	3	0	36	0	1	1	1	0	3	0	5	63	1	0	69	117
6:15 AM	0	0	1	13	0	14	0	3	38	2	0	43	0	1	0	1	0	2	0	6	66	0	0	72	131
6:30 AM	0	1	1	17	0	19	0	0	54	1	0	55	0	2	1	0	0	3	0	3	98	0	0	101	178
6:45 AM	0	3	1	9	0	13	0	3	66	6	0	75	0	1	4	1	0	6	0	18	91	1	0	110	204
Hourly Total	0	5	4	46	0	55	0	6	191	12	0	209	0	5	6	3	0	14	0	32	318	2	0	352	630
7:00 AM	0	6	2	29	0	37	0	0	65	1	0	66	0	4	1	3	0	8	0	19	105	0	0	124	235
7:15 AM	0	6	1	35	0	42	0	0	70	2	0	72	0	4	8	3	0	15	0	27	116	0	0	143	272
7:30 AM	0	10	7	31	0	48	1	1	69	2	0	73	0	2	2	4	0	8	0	25	137	2	0	164	293
7:45 AM	0	5	2	27	0	34	1	1	88	7	0	97	0	4	5	3	0	12	0	39	142	2	0	183	326
Hourly Total	0	27	12	122	0	161	2	2	292	12	0	308	0	14	16	13	0	43	0	110	500	4	0	614	1126

TMC 2330 - CSAH 14 @ Lever St.

0 0

Tuesday, March 28, 2023

Time	Southbound 0						Westbound 0						Northbound 0						Eastbound 0						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
8:00 AM	0	4	1	26	0	31	0	3	84	5	0	92	0	2	1	3	0	6	0	46	70	4	0	120	249
8:15 AM	0	12	5	52	0	69	0	3	58	9	0	70	0	2	8	2	0	12	0	72	71	2	0	145	296
8:30 AM	0	1	2	23	0	26	0	0	46	3	0	49	0	3	2	2	0	7	0	40	77	0	0	117	199
8:45 AM	0	5	0	9	0	14	0	0	54	3	0	57	0	2	1	4	0	7	0	21	70	0	0	91	169
Hourly Total	0	22	8	110	0	140	0	6	242	20	0	268	0	9	12	11	0	32	0	179	288	6	0	473	913
9:00 AM	0	2	2	29	0	33	0	0	77	1	0	78	0	7	11	0	0	18	0	63	57	2	0	122	251
9:15 AM	0	11	15	87	0	113	0	1	77	6	0	84	0	1	11	3	0	15	0	52	71	3	0	126	338
9:30 AM	0	5	2	17	0	24	0	0	46	2	0	48	0	0	1	0	0	1	0	19	63	1	0	83	156
9:45 AM	0	2	1	15	0	18	0	1	46	2	0	49	0	1	2	1	0	4	0	13	55	1	0	69	140
Hourly Total	0	20	20	148	0	188	0	2	246	11	0	259	0	9	25	4	0	38	0	147	246	7	0	400	885
10:00 AM	0	3	1	16	0	20	0	1	42	0	0	43	0	1	0	0	0	1	0	13	58	0	0	71	135
10:15 AM	0	3	0	13	0	16	0	0	55	2	0	57	0	2	1	2	0	5	0	13	52	2	0	67	145
10:30 AM	0	2	1	13	0	16	0	4	50	5	1	59	0	0	2	1	0	3	0	14	68	0	0	82	160
10:45 AM	0	2	1	13	0	16	0	1	58	4	0	63	0	0	2	1	0	3	0	11	44	0	0	55	137
Hourly Total	0	10	3	55	0	68	0	6	205	11	1	222	0	3	5	4	0	12	0	51	222	2	0	275	577
11:00 AM	0	0	2	12	0	14	0	2	59	2	1	63	0	1	1	0	0	2	0	8	46	0	0	54	133
11:15 AM	0	2	0	17	0	19	0	1	58	3	0	62	0	3	2	0	0	5	0	7	61	1	0	69	155
11:30 AM	0	1	2	11	0	14	0	1	68	2	0	71	0	1	1	0	0	2	1	16	49	0	0	66	153
11:45 AM	0	3	0	12	0	15	0	0	44	4	0	48	0	2	0	1	0	3	0	8	45	0	0	53	119
Hourly Total	0	6	4	52	0	62	0	4	229	11	1	244	0	7	4	1	0	12	1	39	201	1	0	242	560
12:00 PM	0	1	5	10	0	16	0	2	44	3	0	49	0	0	3	2	0	5	0	14	36	1	0	51	121
12:15 PM	0	3	0	15	0	18	0	0	52	2	0	54	0	0	1	1	0	2	0	15	63	1	0	79	153
12:30 PM	0	0	1	11	0	12	0	5	65	0	0	70	0	3	0	2	0	5	1	12	52	0	0	65	152
12:45 PM	0	3	3	6	0	12	0	0	61	3	0	64	0	2	1	1	0	4	0	14	46	0	0	60	140
Hourly Total	0	7	9	42	0	58	0	7	222	8	0	237	0	5	5	6	0	16	1	55	197	2	0	255	566
1:00 PM	0	4	0	10	0	14	0	2	58	3	0	63	0	1	0	0	0	1	0	6	59	4	0	69	147
1:15 PM	0	3	1	10	0	14	0	0	44	1	0	45	0	1	0	0	0	1	0	9	73	1	0	83	143
1:30 PM	0	0	1	15	0	16	0	1	65	1	0	67	0	2	0	0	0	2	0	17	65	1	0	83	168
1:45 PM	0	3	1	11	0	15	0	2	69	3	0	74	0	3	2	2	0	7	0	12	65	1	0	78	174
Hourly Total	0	10	3	46	0	59	0	5	236	8	0	249	0	7	2	2	0	11	0	44	262	7	0	313	632
2:00 PM	0	2	2	13	0	17	0	0	53	3	0	56	0	3	3	2	0	8	0	11	70	1	0	82	163
2:15 PM	0	4	2	15	0	21	0	2	76	1	0	79	0	1	0	1	0	2	0	11	70	3	0	84	186
2:30 PM	0	2	0	16	0	18	0	2	85	1	2	88	0	1	0	1	0	2	0	13	64	4	0	81	189
2:45 PM	0	2	0	17	0	19	0	1	112	2	1	115	0	1	1	1	0	3	0	17	73	0	0	90	227
Hourly Total	0	10	4	61	0	75	0	5	326	7	3	338	0	6	4	5	0	15	0	52	277	8	0	337	765
3:00 PM	0	2	1	7	0	10	0	1	110	1	0	112	0	0	0	0	0	0	0	17	67	2	0	86	208
3:15 PM	0	6	0	12	0	18	0	3	100	1	0	104	0	2	3	0	0	5	0	31	127	2	0	160	287
3:30 PM	0	5	1	16	0	22	0	1	114	2	0	117	0	2	2	3	0	7	0	51	85	3	0	139	285
3:45 PM	0	2	2	23	0	27	0	2	129	3	0	134	0	1	8	2	0	11	0	61	90	4	0	155	327
Hourly Total	0	15	4	58	0	77	0	7	453	7	0	467	0	5	13	5	0	23	0	160	369	11	0	540	1107

TMC 2330 - CSAH 14 @ Lever St.

0 0

Tuesday, March 28, 2023

Time	Southbound 0						Westbound 0						Northbound 0						Eastbound 0						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
4:00 PM	0	9	11	91	0	111	0	2	140	7	0	149	0	3	5	5	0	13	0	33	86	3	0	122	395
4:15 PM	0	7	4	60	0	71	0	3	141	3	1	147	0	5	3	2	0	10	0	21	98	4	0	123	351
4:30 PM	0	5	3	37	0	45	1	1	144	5	1	151	0	3	1	3	0	7	0	25	121	3	0	149	352
4:45 PM	0	5	3	34	0	42	0	3	144	4	0	151	0	0	3	3	0	6	0	34	122	6	0	162	361
Hourly Total	0	26	21	222	0	269	1	9	569	19	2	598	0	11	12	13	0	36	0	113	427	16	0	556	1459
5:00 PM	0	7	2	34	0	43	0	5	114	5	0	124	0	2	1	3	0	6	0	35	103	5	0	143	316
5:15 PM	0	2	2	26	0	30	0	2	123	1	0	126	0	3	5	7	0	15	0	47	106	3	0	156	327
5:30 PM	0	3	3	46	0	52	0	3	124	2	0	129	0	2	0	1	0	3	0	21	91	5	0	117	301
5:45 PM	0	3	0	20	0	23	0	3	93	1	0	97	0	1	0	2	0	3	0	14	97	2	0	113	236
Hourly Total	0	15	7	126	0	148	0	13	454	9	0	476	0	8	6	13	0	27	0	117	397	15	0	529	1180
6:00 PM	0	2	0	11	0	13	0	1	86	4	0	91	0	2	3	1	0	6	0	20	63	1	0	84	194
6:15 PM	0	1	0	13	0	14	0	1	79	1	0	81	0	1	3	1	0	5	0	19	78	2	0	99	199
6:30 PM	0	1	1	13	0	15	0	0	70	1	0	71	0	1	1	3	0	5	0	11	62	1	0	74	165
6:45 PM	0	3	2	4	0	9	0	2	53	2	0	57	0	0	0	1	0	1	0	13	63	2	0	78	145
Hourly Total	0	7	3	41	0	51	0	4	288	8	0	300	0	4	7	6	0	17	0	63	266	6	0	335	703
7:00 PM	0	0	1	8	0	9	0	1	61	2	0	64	0	2	0	1	0	3	0	8	45	3	0	56	132
7:15 PM	0	2	0	8	0	10	0	1	43	3	0	47	0	2	0	0	0	2	0	17	43	0	0	60	119
7:30 PM	0	1	0	5	0	6	0	1	53	0	0	54	0	0	0	0	0	0	0	15	48	1	0	64	124
7:45 PM	0	0	0	8	0	8	0	3	56	2	0	61	0	1	0	0	0	1	1	18	41	1	0	61	131
Hourly Total	0	3	1	29	0	33	0	6	213	7	0	226	0	5	0	1	0	6	1	58	177	5	0	241	506
8:00 PM	0	0	0	11	0	11	0	0	50	2	0	52	0	0	0	0	0	0	0	18	50	0	0	68	131
8:15 PM	0	1	0	8	0	9	0	1	57	1	0	59	0	0	1	0	0	1	0	10	51	1	0	62	131
8:30 PM	0	1	0	11	0	12	0	0	35	2	0	37	0	2	0	3	0	5	0	10	30	1	0	41	95
8:45 PM	0	1	0	6	0	7	0	2	39	1	0	42	0	5	0	2	0	7	0	7	39	1	0	47	103
Hourly Total	0	3	0	36	0	39	0	3	181	6	0	190	0	7	1	5	0	13	0	45	170	3	0	218	460
9:00 PM	0	0	0	4	0	4	0	1	40	1	0	42	0	0	0	0	0	0	0	4	30	1	0	35	81
9:15 PM	0	0	0	2	0	2	0	0	31	0	0	31	0	0	1	0	0	1	0	6	35	0	0	41	75
9:30 PM	0	0	0	13	0	13	0	0	25	0	0	25	0	0	1	0	0	1	0	7	31	0	0	38	77
9:45 PM	0	0	1	1	0	2	0	2	16	0	0	18	0	0	0	1	0	1	0	6	19	0	0	25	46
Hourly Total	0	0	1	20	0	21	0	3	112	1	0	116	0	0	2	1	0	3	0	23	115	1	0	139	279
10:00 PM	0	0	0	1	0	1	0	1	19	0	0	20	0	0	0	1	0	1	0	5	15	0	0	20	42
10:15 PM	0	1	0	0	0	1	0	0	8	1	0	9	0	0	0	0	0	0	0	6	13	2	0	21	31
10:30 PM	0	0	1	0	0	1	0	0	10	0	0	10	0	0	0	0	0	0	1	5	18	4	0	28	39
10:45 PM	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	0	2	5	0	0	7	19
Hourly Total	0	1	1	1	0	3	0	1	49	1	0	51	0	0	0	1	0	1	1	18	51	6	0	76	131
11:00 PM	0	0	0	1	0	1	0	0	10	0	0	10	0	0	0	0	0	0	0	7	11	0	0	18	29
11:15 PM	0	0	0	4	0	4	0	0	9	0	0	9	0	0	0	0	0	0	0	4	8	1	0	13	26
11:30 PM	0	1	0	0	0	1	0	0	6	0	0	6	0	0	0	0	0	0	0	0	5	0	0	5	12
11:45 PM	0	1	0	0	0	1	0	0	6	0	0	6	0	0	0	0	0	0	0	1	4	0	0	5	12
Hourly Total	0	2	0	5	0	7	0	0	31	0	0	31	0	0	0	0	0	0	0	12	28	1	0	41	79
DAILY TOTAL	0	192	106	1243	0	1541	3	91	4685	159	7	4938	0	108	121	96	0	325	4	1337	4727	106	0	6174	12978
Cars	0	179	104	1174	0	1457	3	90	4587	142	7	4822	0	104	114	95	0	313	4	1269	4614	103	0	5990	12582
Heavy Vehicles	0	13	2	69	0	84	0	1	98	17	0	116	0	4	7	1	0	12	0	68	113	3	0	184	396
Heavy Vehicle %	0.00%	6.77%	1.89%	5.55%	0.00%	5.45%	0.00%	1.10%	2.09%	10.69%	0.00%	2.35%	0.00%	3.70%	5.79%	1.04%	0.00%	3.69%	0.00%	5.09%	2.39%	2.83%	0.00%	2.98%	3.05%

TMC 2330 - CSAH 14 @ Lever St.

0 0

Tuesday, March 28, 2023

AM Peak Hour

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
7:30 AM	0	10	7	31	0	48	1	1	69	2	0	73	0	2	2	4	0	8	0	25	137	2	0	164	293
7:45 AM	0	5	2	27	0	34	1	1	88	7	0	97	0	4	5	3	0	12	0	39	142	2	0	183	326
8:00 AM	0	4	1	26	0	31	0	3	84	5	0	92	0	2	1	3	0	6	0	46	70	4	0	120	249
8:15 AM	0	12	5	52	0	69	0	3	58	9	0	70	0	2	8	2	0	12	0	72	71	2	0	145	296
Peak Hour Total	0	31	15	136	0	182	2	8	299	23	0	332	0	10	16	12	0	38	0	182	420	10	0	612	1164
PHF	0.000	0.646	0.536	0.654	0.000	0.659	0.500	0.667	0.849	0.639	0.000	0.856	0.000	0.625	0.500	0.750	0.000	0.792	0.000	0.632	0.739	0.625	0.000	0.836	0.893

PM Peak Hour

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
4:00 PM	0	9	11	91	0	111	0	2	140	7	0	149	0	3	5	5	0	13	0	33	86	3	0	122	395
4:15 PM	0	7	4	60	0	71	0	3	141	3	1	147	0	5	3	2	0	10	0	21	98	4	0	123	351
4:30 PM	0	5	3	37	0	45	1	1	144	5	1	151	0	3	1	3	0	7	0	25	121	3	0	149	352
4:45 PM	0	5	3	34	0	42	0	3	144	4	0	151	0	0	3	3	0	6	0	34	122	6	0	162	361
Peak Hour Total	0	26	21	222	0	269	1	9	569	19	2	598	0	11	12	13	0	36	0	113	427	16	0	556	1459
PHF	0.000	0.722	0.477	0.610	0.000	0.606	0.250	0.750	0.988	0.679	0.500	0.990	0.000	0.550	0.600	0.650	0.000	0.692	0.000	0.831	0.875	0.667	0.000	0.858	0.923

Total Vehicles On Leg		3158	
Vehicles Entering Intersection	1541	Vehicles Exiting Intersection	1617
Southbound			
Cars	1174	104	179
Heavy	69	2	13
Total	1243	106	192

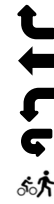


Total Vehicles on Leg 12214	Vehicles Entering Intersection	Eastbound	Cars	Heavy	Total
	6174		0	0	0
			4	0	4
	Vehicles Exiting Intersection		1269	68	1337
	6040		4614	113	4727
	103	3	106		



Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection	Total Vehicles on Leg 9956
142	17	159		4938	
4587	98	4685			
90	1	91		Vehicles Exiting Intersection	
3	0	3		5018	
7	0	7			



Cars	0	0	104	114	95
Heavy	0	0	4	7	1
Total	0	0	108	121	96
Northbound					
Vehicles Entering Intersection	325		Vehicles Exiting Intersection	303	
Total Vehicles On Leg			628		



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	
03/28/2023	0:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0:30	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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	1	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	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	3	0	0	0
	5:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	5:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	0	0
	6:00	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	6:15	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6:30	0	0	0	2	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
	6:45	0	0	0	1	0	0	0	0	4	1	0	0	0	0	0	1	0	0	0	0	2	1	0	0	0
	7:00	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0
	7:15	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0
	7:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
	7:45	0	1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0
	8:00	0	1	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	6	1	0	0
	8:15	0	0	0	1	0	0	0	0	2	0	0	0	0	0	2	1	0	0	0	0	3	3	0	0	0
	8:30	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0
	8:45	0	1	0	1	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	1	8	0	0	0
	9:00	0	0	0	1	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	17	1	0	0	0
	9:15	0	1	0	20	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0
	9:30	0	0	0	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0
	9:45	0	0	0	3	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	2	2	0	0	0
	10:00	0	1	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
	10:15	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0
	10:30	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	4	0	0	0
	10:45	0	0	0	3	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0
	11:00	0	0	0	1	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0
	11:15	0	0	0	5	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
	11:30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
	11:45	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

Time	Southbound						Westbound						Northbound						Eastbound						
	U Turns	Left Turns	Straight Through	Right Turns	EB Bicycles in Crosswalk	WB Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	NB Bicycles in Crosswalk	SB Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	EB Bicycles in Crosswalk	WB Bicycles in Crosswalk	U Turns	Left Turns	Straight Through	Right Turns	NB Bicycles in Crosswalk	SB Bicycles in Crosswalk	
12:00	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
12:15	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
12:30	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
12:45	0	1	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
13:00	0	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0
13:15	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
13:30	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
13:45	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
14:00	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
14:15	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:30	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	1	4	0	0	0	0
14:45	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
15:00	0	2	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
15:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0
15:30	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	2	3	1	0	0
15:45	0	0	0	1	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	13	5	0	0	0	0
16:00	0	0	0	1	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
16:15	0	1	1	14	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0
16:30	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
16:45	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
17:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
17:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
18:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	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
19:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	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
20:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
21:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	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
21:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2330

Study Date : 04/21/2023

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 14

Number of Lanes : 1

Total Approach Volume: 6,174

Westbound: CSAH 14

Number of Lanes : 1

Total Approach Volume: 4,938

Minor Street Approaches

Northbound: Lever St

Number of Lanes : 1

Total Approach Volume: 325

Southbound: Lever St

Number of Lanes : 1

Total Approach Volume: 1,541

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 6 hours, 8 are needed

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

Required volumes reached for 10 hours, 8 are needed

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

Required 1A volumes reached for 6 hours, 8 are needed

Required 1B volumes reached for 13 hours, 8 are needed

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

Number of hours (8) volumes exceed minimum >= minimum required (4).

Warrant 3 - Peak Hour.....Satisfied

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

Number of one hour periods (21) 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 2330

Study Date : 04/21/2023

Warrant 1A - Minimum Volumes

Description

Intended for sites where the volume of intersecting traffic is the principal reason for consideration of a signal installation.

Summary

Only 6 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

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

Volume Requirements

Rural Factor of 70 % applied
Veh/Hr Major = **350**

Veh/Hr Minor = **105**

Time	Major Road				Total	Minor Road		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:15 - 17:15	577	+	573	=	1150	29	201	Yes
15:15 - 16:15	576	+	504	=	1080	36	178	Yes
07:30 - 08:30	612	+	332	=	944	38	182	Yes
17:15 - 18:15	470	+	443	=	913	27	118	Yes
06:30 - 07:30	478	+	268	=	746	32	111	Yes
08:30 - 09:30	456	+	268	=	724	47	186	Yes
15:00 - 16:00	540	+	467	=	1007	23	77	No
14:45 - 15:45	475	+	448	=	923	15	69	No
14:30 - 15:30	417	+	419	=	836	10	65	No
14:15 - 15:15	341	+	394	=	735	7	68	No
14:00 - 15:00	337	+	338	=	675	15	75	No
06:15 - 07:15	407	+	239	=	646	19	83	No
13:45 - 14:45	325	+	297	=	622	19	71	No
13:30 - 14:30	327	+	276	=	603	19	69	No
18:15 - 19:15	307	+	273	=	580	14	47	No
13:15 - 14:15	326	+	242	=	568	18	62	No
13:00 - 14:00	313	+	249	=	562	11	59	No
06:00 - 07:00	352	+	209	=	561	14	55	No
12:45 - 13:45	295	+	239	=	534	8	56	No
12:15 - 13:15	273	+	251	=	524	12	56	No
12:30 - 13:30	277	+	242	=	519	11	52	No
18:30 - 19:30	268	+	239	=	507	11	43	No
10:30 - 11:30	260	+	247	=	507	13	65	No
10:45 - 11:45	244	+	259	=	503	12	63	No
10:15 - 11:15	258		242		500	13	62	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2330

Study Date : 04/21/2023

Warrant 1B - Interruption of Continuous Traffic

Description

Intended for sites where the volume of the major street is so heavy that traffic on the minor street suffers excessive delay or hazard.

Summary

10 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Volume Requirements

Rural Factor of 70 % applied
 Veh/Hr Major = **525**
 Veh/Hr Minor = **52**

Time	Major Road				Total	Minor Road		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:45 - 16:45	549	+	581	=	1130	41	254	Yes
16:45 - 17:45	578	+	530	=	1108	30	167	Yes
14:45 - 15:45	475	+	448	=	923	15	69	Yes
07:00 - 08:00	614	+	308	=	922	43	161	Yes
08:00 - 09:00	473	+	268	=	741	32	140	Yes
17:45 - 18:45	370	+	340	=	710	19	65	Yes
09:00 - 10:00	400	+	259	=	659	38	188	Yes
13:45 - 14:45	325	+	297	=	622	19	71	Yes
06:00 - 07:00	352	+	209	=	561	14	55	Yes
12:45 - 13:45	295	+	239	=	534	8	56	Yes
12:15 - 13:15	273	+	251	=	524	12	56	No
12:30 - 13:30	277	+	242	=	519	11	52	No
10:30 - 11:30	260	+	247	=	507	13	65	No
10:45 - 11:45	244	+	259	=	503	12	63	No
10:15 - 11:15	258	+	242	=	500	13	62	No
10:00 - 11:00	275	+	222	=	497	12	68	No
12:00 - 13:00	255	+	237	=	492	16	58	No
11:00 - 12:00	242	+	244	=	486	12	62	No
19:30 - 20:30	255	+	226	=	481	2	34	No
18:45 - 19:45	258	+	222	=	480	6	34	No
11:30 - 12:30	249	+	222	=	471	12	63	No
11:45 - 12:45	248	+	221	=	469	15	61	No
11:15 - 12:15	239	+	230	=	469	15	64	No
19:15 - 20:15	253	+	214	=	467	3	35	No
19:00 - 20:00	241		226		467	6	33	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2330

Study Date : 04/21/2023

Warrant 1C Combination of Warrants

Description

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

Summary

Only 6 hours meet 1A minimums.
13 hours meet 1B minimums.
Warrant is NOT met.

Site Data Required

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

Volume Requirements

Rural Factor of 70% applied
Warrant 1A 1B
Veh/Hr Major = **280 420**

Veh/Hr Minor = **84 42**

Major Road CSAH 14

Minor Road Lever St

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1A?
16:15 - 17:15	577	+	573	=	1150	29	201	Yes
15:15 - 16:15	576	+	504	=	1080	36	178	Yes
07:30 - 08:30	612	+	332	=	944	38	182	Yes
17:15 - 18:15	470	+	443	=	913	27	118	Yes
06:30 - 07:30	478	+	268	=	746	32	111	Yes
08:30 - 09:30	456	+	268	=	724	47	186	Yes
15:00 - 16:00	540	+	467	=	1007	23	77	No
14:45 - 15:45	475	+	448	=	923	15	69	No
14:30 - 15:30	417	+	419	=	836	10	65	No
14:15 - 15:15	341	+	394	=	735	7	68	No
14:00 - 15:00	337	+	338	=	675	15	75	No
06:15 - 07:15	407	+	239	=	646	19	83	No

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
15:45 - 16:45	549	+	581	=	1130	41	254	Yes
16:45 - 17:45	578	+	530	=	1108	30	167	Yes
14:45 - 15:45	475	+	448	=	923	15	69	Yes
07:45 - 08:45	565	+	308	=	873	37	160	Yes
06:45 - 07:45	541	+	286	=	827	37	140	Yes
17:45 - 18:45	370	+	340	=	710	19	65	Yes
08:45 - 09:45	422	+	267	=	689	41	184	Yes
13:45 - 14:45	325	+	297	=	622	19	71	Yes
12:45 - 13:45	295	+	239	=	534	8	56	Yes
10:45 - 11:45	244	+	259	=	503	12	63	Yes
09:45 - 10:45	289	+	208	=	497	13	70	Yes
11:45 - 12:45	248	+	221	=	469	15	61	Yes

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2330

Study Date : 04/21/2023

Warrant 2 - Four Hour Volumes

Description

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

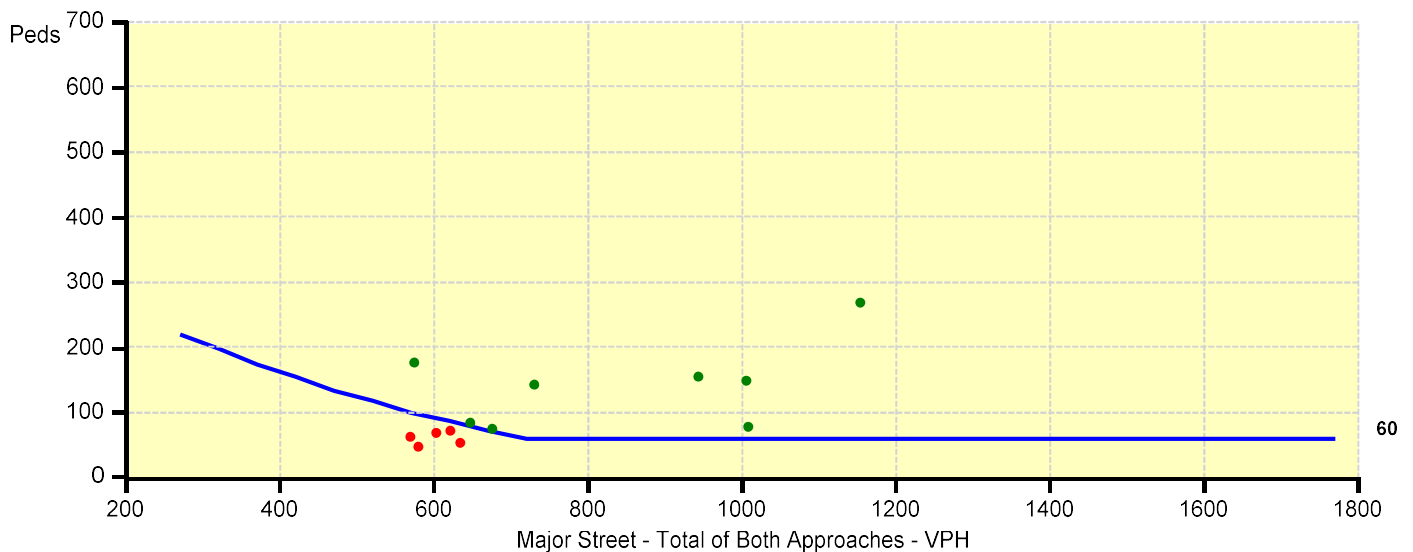
Summary

8 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Time	Major Road CSAH 14				Total	Minor Road Lever St		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:00 - 17:00	556	+	598	=	1154	36	269	Yes
15:00 - 16:00	540	+	467	=	1007	23	77	Yes
17:00 - 18:00	529	+	476	=	1005	27	148	Yes
07:15 - 08:15	610	+	334	=	944	41	155	Yes
08:15 - 09:15	475	+	254	=	729	44	142	Yes
14:00 - 15:00	337	+	338	=	675	15	75	Yes
06:15 - 07:15	407	+	239	=	646	19	83	Yes
09:15 - 10:15	349	+	224	=	573	21	175	Yes
18:00 - 19:00	335	+	300	=	635	17	51	No
13:45 - 14:45	325	+	297	=	622	19	71	No
13:30 - 14:30	327	+	276	=	603	19	69	No
18:15 - 19:15	307	+	273	=	580	14	47	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2330

Study Date : 04/21/2023

Warrant 3B - Peak Hour Volumes

Description

Intended for sites where the volume of intersecting traffic during one hour of the day is the principal reason for consideration of a signal installation.

Summary

19 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Time	Major Road CSAH 14				Total	Minor Road Lever St		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:30 - 17:30	610	+	552	=	1162	34	160	Yes
16:00 - 17:00	556	+	598	=	1154	36	269	Yes
16:15 - 17:15	577	+	573	=	1150	29	201	Yes
15:45 - 16:45	549	+	581	=	1130	41	254	Yes
16:45 - 17:45	578	+	530	=	1108	30	167	Yes
15:30 - 16:30	539	+	547	=	1086	41	231	Yes
15:15 - 16:15	576	+	504	=	1080	36	178	Yes
17:00 - 18:00	529	+	476	=	1005	27	148	Yes
07:30 - 08:30	612	+	332	=	944	38	182	Yes
07:15 - 08:15	610	+	334	=	944	41	155	Yes
07:00 - 08:00	614	+	308	=	922	43	161	Yes
17:15 - 18:15	470		443		913	27	118	Yes

