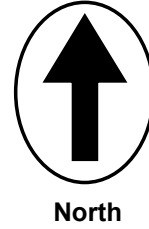


Date : 04/25/23

Count Number : TMC 2340

Location : CSAH 17  
@ 131st Ave

Collection Period : 24 HR



131st Ave

131st Ave

CSAH 17

CSAH 17

11745

#2

5729			
24	5695	4	6
E	F	G	H

6016

254

#1

132		0	D
		20	C
		0	B
		112	A

I	5	6
J	0	
K	0	
L	1	

#3

12

6

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	0	1	1

6250			
443	98	5985	1
P	O	N	M
6527			

#4

12777

Anoka County Highway Department

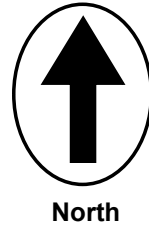
Traffic Volume and Turning Movement Study

Date : 04/25/23

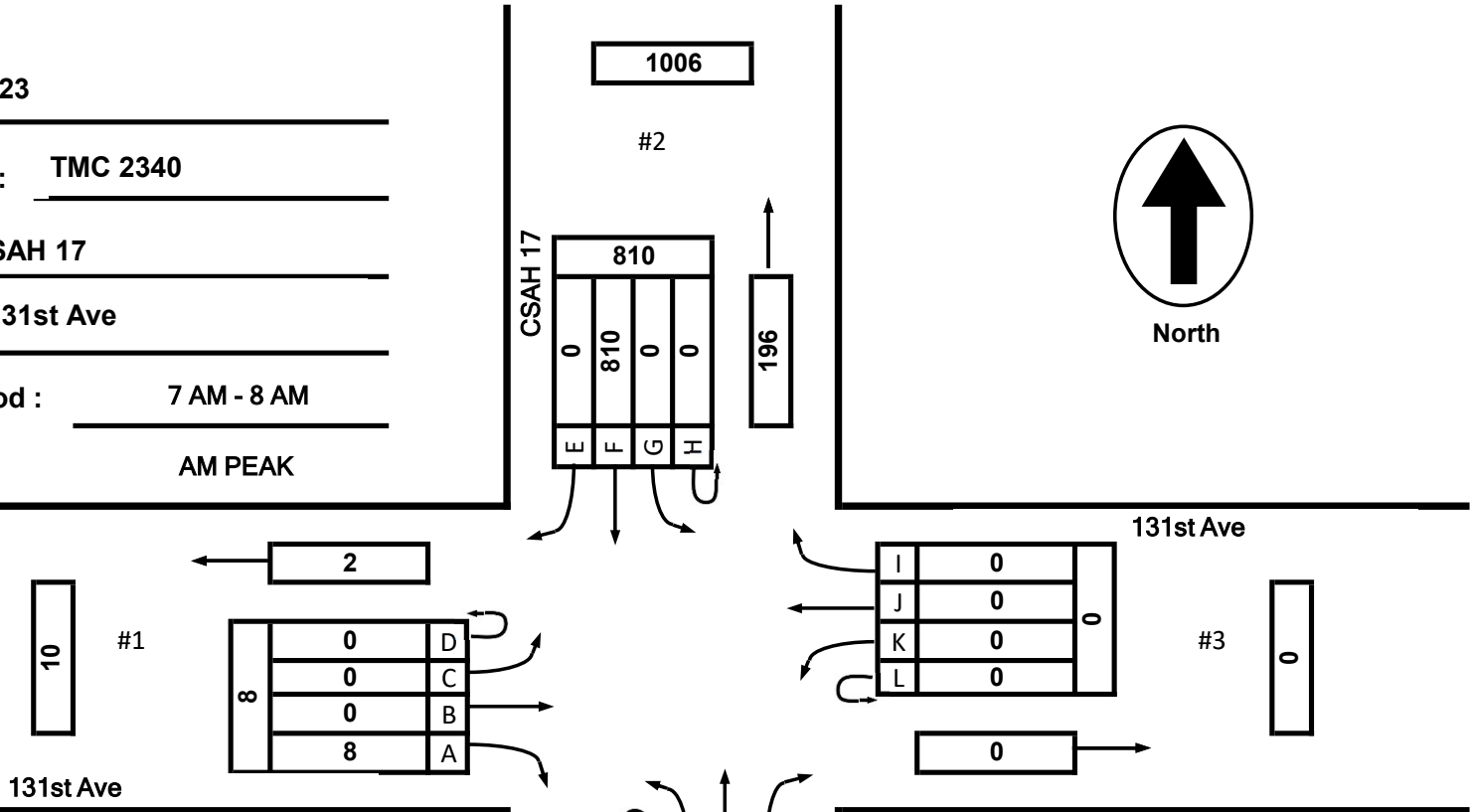
Count Number : TMC 2340

Location : CSAH 17  
@ 131st Ave

Collection Period : 7 AM - 8 AM  
AM PEAK



North



131st Ave

131st Ave

CSAH 17

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	0	1	1

Anoka County Highway Department

Traffic Volume and Turning Movement Study

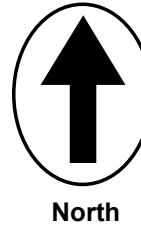
1108

Date : 04/25/23

Count Number : TMC 2340

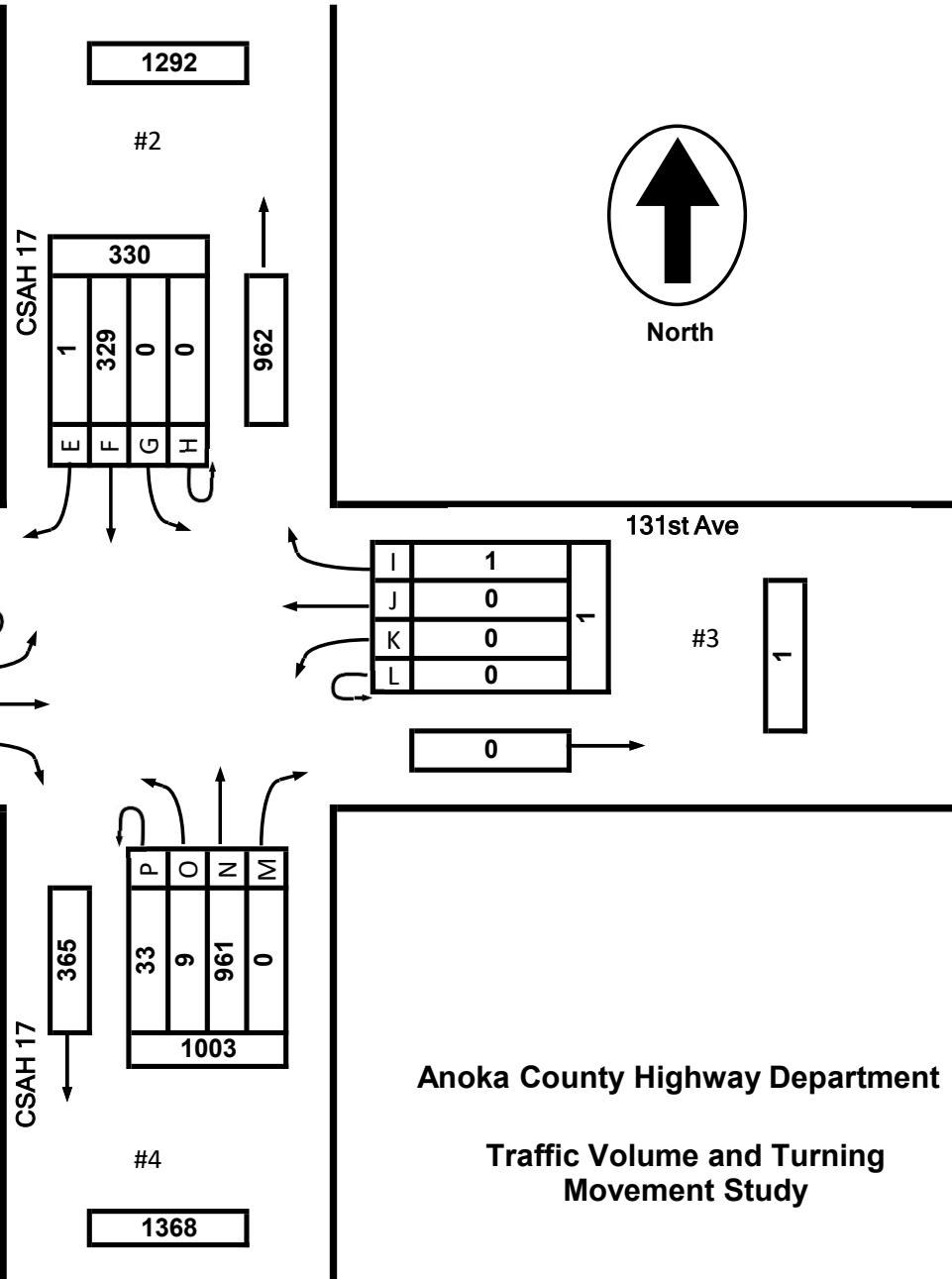
Location : CSAH 17  
@ 131st Ave

Collection Period : 4 PM - 5 PM  
**PM PEAK**



131st Ave

131st Ave



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	0	1	1

Anoka County Highway Department

Traffic Volume and Turning Movement Study

TMC 2340 - CSAH 17 @ 131st Ave  
0 0

Tuesday, April 25, 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	1	0	0	1	0	0	0	0	0	0	0	1	10	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	12
12:15 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4
12:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	5
12:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	1	0	8	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	10
Hourly Total	0	0	6	0	0	6	0	0	0	0	0	0	1	1	23	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	31
1:00 AM	0	0	3	0	0	3	0	0	0	0	0	0	1	1	8	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	13
1:15 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	6
1:30 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	9
1:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
Hourly Total	0	0	10	0	0	10	0	0	0	0	0	0	1	1	21	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	33
2:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3
2:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2
2:30 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	5
2:45 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Hourly Total	0	0	10	0	0	10	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	16
3:00 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	6
3:15 AM	0	0	10	0	0	10	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	12
3:30 AM	0	0	9	0	0	9	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	2	0	0	0	0	0	2	0	2	12
3:45 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	7
Hourly Total	0	0	28	0	0	28	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	2	0	0	0	0	0	2	0	2	37
4:00 AM	0	0	14	0	0	14	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	16
4:15 AM	0	0	20	0	0	20	0	0	0	0	0	0	1	0	3	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	24
4:30 AM	0	0	37	0	0	37	0	0	0	0	0	0	2	0	5	0	0	7	0	0	0	1	0	1	0	0	0	1	0	1	45
4:45 AM	0	0	35	0	0	35	0	0	0	0	0	0	3	0	4	0	0	7	0	0	0	4	0	0	0	0	0	0	0	0	42
Hourly Total	0	0	106	0	0	106	0	0	0	0	0	0	6	0	14	0	0	20	0	0	0	1	0	1	0	0	0	1	0	1	127
5:00 AM	0	0	54	0	0	54	0	0	0	0	0	0	2	0	3	0	0	5	0	0	0	1	0	1	0	0	0	1	0	1	60
5:15 AM	0	0	95	0	0	95	0	0	0	0	0	0	2	0	3	0	0	5	0	0	0	1	0	1	0	0	0	1	0	1	101
5:30 AM	0	0	94	0	0	94	0	0	0	0	0	0	5	0	10	0	0	15	0	0	0	2	0	2	0	0	0	2	0	2	111
5:45 AM	0	0	98	0	0	98	0	0	0	0	0	0	1	0	10	0	0	11	0	0	0	0	1	0	0	0	0	1	0	1	109
Hourly Total	0	0	341	0	0	341	0	0	0	0	0	0	10	0	26	0	0	36	0	0	0	4	1	4	0	0	0	4	1	4	381
6:00 AM	0	0	118	1	0	119	0	0	0	0	0	0	4	0	14	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	137
6:15 AM	0	0	171	0	0	171	0	0	0	0	0	0	3	0	21	0	0	24	0	0	0	0	0	0	0	0	0	0	0	0	195
6:30 AM	0	2	189	1	0	192	0	0	0	0	0	0	10	0	33	0	0	43	0	0	0	1	0	1	0	0	0	1	0	1	236
6:45 AM	0	1	173	1	0	175	0	0	0	0	0	0	5	1	41	0	0	47	0	1	0	2	0	3	0	1	0	2	0	3	225
Hourly Total	0	3	651	3	0	657	0	0	0	0	0	0	22	1	109	0	0	132	0	1	0	3	0	4	0	1	0	3	0	4	793
7:00 AM	0	0	198	0	0	198	0	0	0	0	0	0	10	0	40	0	0	50	0	0	0	3	1	3	0	0	0	3	1	3	251
7:15 AM	0	0	207	0	0	207	0	0	0	0	0	0	16	0	48	0	0	64	0	0	0	3	0	3	0	0	0	3	0	3	274
7:30 AM	0	0	213	0	0	213	0	0	0	0	0	0	11	1	46	0	0	58	0	0	0	1	0	1	0	0	0	1	0	1	272
7:45 AM	0	0	192	0	0	192	0	0	0	0	0	0	9	1	62	0	0	72	0	0	0	1	1	1	0	0	0	1	1	1	265
Hourly Total	0	0	810	0	0	810	0	0	0	0	0	0	46	2	196	0	0	244	0	0	0	8	2	8	0	0	0	8	2	8	1062

TMC 2340 - CSAH 17 @ 131st Ave

0 0

Tuesday, April 25, 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	0	131	0	0	131	0	0	0	0	0	0	10	0	75	0	0	85	0	0	0	1	0	1	217
8:15 AM	0	0	131	0	0	131	0	0	0	0	0	0	13	2	51	0	0	66	0	0	0	1	0	1	198
8:30 AM	0	0	113	1	0	114	0	0	0	0	0	0	5	0	38	0	0	43	0	1	0	4	0	5	162
8:45 AM	0	0	129	0	0	129	0	0	0	0	0	0	10	1	45	0	0	56	0	0	0	2	0	2	187
Hourly Total	0	0	504	1	0	505	0	0	0	0	0	0	38	3	209	0	0	250	0	1	0	8	0	9	764
9:00 AM	0	0	110	0	0	110	0	0	0	0	0	0	9	0	49	0	0	58	0	1	0	3	0	4	172
9:15 AM	0	0	87	0	0	87	0	0	0	0	0	0	10	1	62	0	0	73	0	0	0	2	0	2	162
9:30 AM	0	0	80	0	0	80	0	0	0	0	0	0	2	2	47	0	0	51	0	0	0	2	0	2	133
9:45 AM	0	0	68	0	0	68	0	0	0	0	0	0	5	2	47	0	0	54	0	0	0	3	0	3	125
Hourly Total	0	0	345	0	0	345	0	0	0	0	0	0	26	5	205	0	0	236	0	1	0	10	0	11	592
10:00 AM	0	0	80	0	0	80	0	0	0	0	0	0	8	1	34	0	0	43	0	1	0	1	0	2	125
10:15 AM	0	0	69	0	0	69	0	0	0	0	0	0	1	0	46	0	0	47	0	0	0	0	0	0	116
10:30 AM	0	0	67	0	0	67	0	0	0	0	0	0	5	0	52	0	0	57	0	0	0	0	0	0	124
10:45 AM	0	0	62	0	0	62	0	0	0	0	0	0	3	1	45	0	0	49	0	0	0	0	3	0	111
Hourly Total	0	0	278	0	0	278	0	0	0	0	0	0	17	2	177	0	0	196	0	1	0	1	3	2	476
11:00 AM	0	0	54	0	0	54	0	0	0	0	0	0	7	1	54	0	0	62	0	0	0	1	0	1	117
11:15 AM	0	0	69	0	0	69	0	0	0	0	0	0	7	1	60	0	0	68	0	1	0	2	0	3	140
11:30 AM	0	0	70	1	0	71	0	0	0	0	0	0	7	0	50	0	0	57	0	0	0	0	1	0	128
11:45 AM	0	0	48	0	0	48	0	0	0	0	0	0	7	3	60	0	0	70	0	0	0	0	0	0	118
Hourly Total	0	0	241	1	0	242	0	0	0	0	0	0	28	5	224	0	0	257	0	1	0	3	1	4	503
12:00 PM	1	0	56	0	0	57	0	0	0	0	0	0	4	0	49	0	0	53	0	0	0	1	0	1	111
12:15 PM	0	0	55	0	0	55	0	0	0	0	0	0	9	1	78	0	0	88	0	0	0	0	0	0	143
12:30 PM	0	0	57	2	0	59	0	0	0	0	0	0	9	1	61	0	0	71	0	0	0	0	2	0	130
12:45 PM	0	0	48	0	0	48	0	0	0	0	0	0	3	0	74	0	0	77	0	1	0	1	0	2	127
Hourly Total	1	0	216	2	0	219	0	0	0	0	0	0	25	2	262	0	0	289	0	1	0	2	2	3	511
1:00 PM	0	0	64	0	0	64	0	0	0	0	0	0	7	0	71	0	0	78	0	0	0	0	0	0	142
1:15 PM	1	0	62	0	0	63	0	0	0	0	0	0	5	2	68	0	0	75	0	0	0	1	0	1	139
1:30 PM	1	0	63	0	1	64	0	0	0	0	1	0	6	1	90	0	1	97	0	0	0	2	0	2	163
1:45 PM	0	0	50	1	0	51	1	0	0	0	0	1	3	1	92	0	0	96	0	0	0	0	0	0	148
Hourly Total	2	0	239	1	1	242	1	0	0	0	1	1	21	4	321	0	1	346	0	0	0	3	0	3	592
2:00 PM	0	0	54	0	0	54	0	0	0	0	0	0	4	2	82	0	0	88	0	0	0	2	0	2	144
2:15 PM	1	0	56	1	0	58	0	0	0	0	0	0	8	0	101	0	0	109	0	0	0	1	0	1	168
2:30 PM	0	0	58	0	0	58	0	0	0	0	0	0	16	2	116	0	0	134	0	0	0	2	0	2	194
2:45 PM	0	0	52	0	0	52	0	0	0	0	1	0	9	3	138	1	0	151	0	0	0	0	1	0	203
Hourly Total	1	0	220	1	0	222	0	0	0	0	1	0	37	7	437	1	0	482	0	0	0	5	1	5	709
3:00 PM	0	0	69	1	0	70	0	0	0	0	0	0	8	1	168	0	0	177	0	0	0	1	0	1	248
3:15 PM	0	0	90	0	0	90	0	0	0	0	0	0	9	0	180	0	0	189	0	0	0	1	1	1	280
3:30 PM	0	0	82	0	0	82	0	0	0	0	0	0	8	1	200	0	0	209	0	1	0	2	1	3	294
3:45 PM	0	0	90	0	0	90	0	0	0	0	0	0	9	1	186	0	0	196	0	1	0	0	0	1	287
Hourly Total	0	0	331	1	0	332	0	0	0	0	0	0	34	3	734	0	0	771	0	2	0	4	2	6	1109

**TMC 2340 - CSAH 17 @ 131st Ave**  
0 0

**Tuesday, April 25, 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	0	77	0	0	77	0	0	0	1	0	1	9	2	235	0	0	246	0	0	0	0	0	0	0	0	0	0	0	0	324
4:15 PM	0	0	87	0	0	87	0	0	0	0	0	0	6	2	256	0	0	264	0	0	0	1	0	1	0	0	0	0	0	0	352
4:30 PM	0	0	89	1	0	90	0	0	0	0	0	0	9	2	219	0	0	230	0	0	0	0	0	0	0	0	0	0	0	0	320
4:45 PM	0	0	76	0	0	76	0	0	0	0	0	0	9	3	251	0	0	263	0	0	0	2	0	2	0	0	0	0	0	0	341
Hourly Total	0	0	329	1	0	330	0	0	0	1	0	1	33	9	961	0	0	1003	0	0	0	3	0	3	0	0	0	0	0	0	1337
5:00 PM	1	0	91	2	0	94	0	0	0	3	0	3	8	1	204	0	0	213	0	0	0	0	0	0	0	0	0	0	0	0	310
5:15 PM	0	0	86	0	0	86	0	0	0	0	0	0	10	0	213	0	0	223	0	2	0	1	0	3	0	1	0	0	0	0	312
5:30 PM	1	0	89	0	0	90	0	0	0	0	0	0	10	2	177	0	0	189	0	1	0	0	0	1	0	0	0	0	0	0	280
5:45 PM	0	1	62	0	0	63	0	0	0	1	0	1	1	1	170	0	0	172	0	1	0	0	0	1	0	1	0	0	0	0	237
Hourly Total	2	1	328	2	0	333	0	0	0	4	0	4	29	4	764	0	0	797	0	4	0	1	0	5	0	4	0	0	0	0	1139
6:00 PM	0	0	92	1	0	93	0	0	0	0	0	0	6	3	138	0	0	147	0	0	0	1	1	1	0	1	0	0	0	0	241
6:15 PM	0	0	79	0	0	79	0	0	0	0	0	0	8	4	116	0	0	128	0	1	0	3	0	4	0	0	0	0	0	0	211
6:30 PM	0	0	62	4	0	66	0	0	0	0	0	0	5	9	112	0	0	126	0	0	0	1	0	1	0	0	0	0	0	0	193
6:45 PM	0	0	45	1	0	46	0	0	0	0	0	0	2	5	86	0	0	93	0	0	0	1	0	1	0	0	0	0	0	0	140
Hourly Total	0	0	278	6	0	284	0	0	0	0	0	0	21	21	452	0	0	494	0	1	0	6	1	7	0	1	0	0	0	0	785
7:00 PM	0	0	55	1	0	56	0	0	0	0	0	0	3	7	72	0	0	82	0	0	0	2	0	2	0	0	0	0	0	0	140
7:15 PM	0	0	36	1	0	37	0	0	0	0	0	0	0	5	91	0	0	96	0	0	0	1	0	1	0	0	0	0	0	0	134
7:30 PM	0	0	34	0	0	34	0	0	0	0	0	0	4	3	84	0	0	91	0	0	0	2	0	2	0	0	0	0	0	0	127
7:45 PM	0	0	65	1	0	66	0	0	0	0	0	0	7	2	50	0	0	59	0	2	0	2	0	4	0	2	0	0	0	0	129
Hourly Total	0	0	190	3	0	193	0	0	0	0	0	0	14	17	297	0	0	328	0	2	0	7	0	9	0	2	0	0	0	0	530
8:00 PM	0	0	45	1	0	46	0	0	0	0	0	0	2	3	67	0	0	72	0	2	0	1	0	3	0	2	0	0	0	0	121
8:15 PM	0	0	26	0	0	26	0	0	0	0	0	0	1	0	67	0	0	68	0	0	0	1	0	1	0	0	0	0	0	0	95
8:30 PM	0	0	22	0	0	22	0	0	0	0	0	0	6	1	54	0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	83
8:45 PM	0	0	31	0	0	31	0	0	0	0	0	0	5	2	62	0	0	69	0	0	0	0	0	0	0	0	0	0	0	0	100
Hourly Total	0	0	124	1	0	125	0	0	0	0	0	0	14	6	250	0	0	270	0	2	0	2	0	4	0	2	0	0	0	0	399
9:00 PM	0	0	20	0	0	20	0	0	0	0	0	0	4	2	56	0	0	62	0	0	0	1	0	1	0	0	0	0	0	0	83
9:15 PM	0	0	25	0	0	25	0	0	0	0	0	0	4	1	30	0	0	35	0	0	0	22	0	22	0	0	0	0	0	0	82
9:30 PM	0	0	12	0	0	12	0	0	0	0	0	0	3	1	50	0	0	54	0	0	0	12	0	12	0	0	0	0	0	0	78
9:45 PM	0	0	12	1	0	13	0	0	0	0	0	0	4	0	21	0	0	25	0	0	0	3	0	3	0	0	0	0	0	0	41
Hourly Total	0	0	69	1	0	70	0	0	0	0	0	0	15	4	157	0	0	176	0	0	0	38	0	38	0	0	0	0	0	0	284
10:00 PM	0	0	9	0	0	9	0	0	0	0	0	0	1	0	30	0	0	31	0	2	0	0	0	2	0	2	0	0	0	0	42
10:15 PM	0	0	8	0	0	8	0	0	0	0	0	0	1	0	20	0	0	21	0	1	0	0	0	1	0	1	0	0	0	0	30
10:30 PM	0	0	7	0	0	7	0	0	0	0	0	0	2	0	23	0	0	25	0	0	0	1	0	1	0	0	0	0	0	0	33
10:45 PM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	18
Hourly Total	0	0	30	0	0	30	0	0	0	0	0	0	4	0	85	0	0	89	0	3	0	1	0	4	0	3	0	0	0	0	123
11:00 PM	0	0	5	0	0	5	0	0	0	0	0	0	1	0	6	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	12
11:15 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	23	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	26
11:30 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	14
11:45 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	1	7	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	9
Hourly Total	0	0	11	0	0	11	0	0	0	0	0	0	1	1	48	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	61
<b>DAILY TOTAL</b>	<b>6</b>	<b>4</b>	<b>5695</b>	<b>24</b>	<b>1</b>	<b>5729</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>6</b>	<b>443</b>	<b>98</b>	<b>5985</b>	<b>1</b>	<b>1</b>	<b>6527</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>112</b>	<b>13</b>	<b>132</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>107</b>	<b>9</b>	<b>126</b>	<b>12394</b>
<b>Cars</b>	6	4	5586	23	1	5619	1	0	0	5	2	6	421	92	5859	1	1	6373	0	19	0	107	9	126	0	19	0	9	126	0	12124
<b>Heavy Vehicles</b>	0	0	109	1	0	110	0	0	0	0	0	0	22	6	126	0	0	154	0	1	0	5	4	6	0	1	0	5	4	6	270
<b>Heavy Vehicle %</b>	0.00%	0.00%	1.91%	4.17%	0.00%	1.92%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	4.97%	6.12%	2.11%	0.00%	0.00%	2.36%	0.00%	5.00%	0.00%	4.46%	30.77%	4.55%	0.00%	5.00%	0.00%	4.46%	30.77%	4.55%	2.18%

## TMC 2340 - CSAH 17 @ 131st Ave

0 0

**Tuesday, April 25, 2023**

**AM Peak Hour**

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL						
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total							
7:00 AM	0	0	198	0	0	198	0	0	0	0	0	0	10	0	40	0	0	50	0	0	0	3	1	3	0	0	0	0	0	0	251
7:15 AM	0	0	207	0	0	207	0	0	0	0	0	0	16	0	48	0	0	64	0	0	0	3	0	3	0	0	0	0	0	0	274
7:30 AM	0	0	213	0	0	213	0	0	0	0	0	0	11	1	46	0	0	58	0	0	0	1	0	1	0	0	0	0	0	0	272
7:45 AM	0	0	192	0	0	192	0	0	0	0	0	0	9	1	62	0	0	72	0	0	0	1	1	1	0	0	0	0	0	0	265
Peak Hour Total	0	0	810	0	0	810	0	0	0	0	0	0	46	2	196	0	0	244	0	0	0	8	2	8	0	0	0	0	0	0	1062
PHF	0.000	0.000	0.951	0.000	0.000	0.951	0.000	0.000	0.000	0.000	0.000	0.000	0.719	0.500	0.790	0.000	0.000	0.847	0.000	0.000	0.000	0.667	0.500	0.667	0.000	0.000	0.000	0.667	0.500	0.667	0.969

**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	0	77	0	0	77	0	0	0	1	0	1	9	2	235	0	0	246	0	0	0	0	0	0	0	0	0	0	0	0	324
4:15 PM	0	0	87	0	0	87	0	0	0	0	0	0	6	2	256	0	0	264	0	0	0	1	0	1	0	0	0	0	0	0	352
4:30 PM	0	0	89	1	0	90	0	0	0	0	0	0	9	2	219	0	0	230	0	0	0	0	0	0	0	0	0	0	0	0	320
4:45 PM	0	0	76	0	0	76	0	0	0	0	0	0	9	3	251	0	0	263	0	0	0	2	0	2	0	0	0	0	0	0	341
Peak Hour Total	0	0	329	1	0	330	0	0	0	1	0	1	33	9	961	0	0	1003	0	0	0	3	0	3	0	0	0	0	0	0	1337
PHF	0.000	0.000	0.924	0.250	0.000	0.917	0.000	0.000	0.000	0.250	0.000	0.250	0.917	0.750	0.938	0.000	0.000	0.950	0.000	0.000	0.000	0.375	0.000	0.375	0.000	0.000	0.000	0.375	0.000	0.375	0.950

Total Vehicles On Leg		11745	
Vehicles Entering Intersection	5729	Vehicles Exiting Intersection	6016
<b>Southbound</b>			
Cars	23	5586	4
Heavy	1	109	0
<b>Total</b>	<b>24</b>	<b>5695</b>	<b>4</b>



Total Vehicles on Leg 254	Vehicles Entering Intersection 132	Eastbound	Cars	Heavy	Total	
			9	4	13	
	0		0	0		
	19		1	20		
	0		0	0		
Vehicles Exiting Intersection 122	0	0	0	107	5	112

Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 6	Total Vehicles on Leg 12
5	0	5			
0	0	0			
0	0	0			
1	0	1			
2	0	2	Vehicles Exiting Intersection 6		



Cars	1	421	92	5859	1
Heavy	0	22	6	126	0
<b>Total</b>	<b>1</b>	<b>443</b>	<b>98</b>	<b>5985</b>	<b>1</b>
<b>Northbound</b>					
Vehicles Entering Intersection	6527		Vehicles Exiting Intersection	6250	
Total Vehicles On Leg			12777		







# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 05/11/2023

## Signal Warrants - Summary

### Major Street Approaches

Northbound: CSAH 17 (Lexington Ave.)

Number of Lanes : 2+

Total Approach Volume: 6,527

Southbound: CSAH 17 (Lexington Ave.)

Number of Lanes :2+

Total Approach Volume: 5,729

### Minor Street Approaches

Eastbound: 131st Ave.

Number of Lanes :1

Total Approach Volume: 132

Westbound: 131st Ave.

Number of Lanes :1

Total Approach Volume: 6

### Warrant Summary (Rural Values Apply)

Warrant 1 - Eight Hour Vehicular Volumes.....Not Satisfied

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

Required volumes reached for 0 hours, 8 are needed

Warrant 1B - Interruption of Continuous Traffic.....Not Satisfied

Required volumes reached for 0 hours, 8 are needed

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

Required 1A volumes reached for 0 hours, 8 are needed

Required 1B volumes reached for 0 hours, 8 are needed

Warrant 2 - Four Hour Volumes.....Not Satisfied

Number of hours (0) volumes exceed minimum < minimum required (4).

Warrant 3 - Peak Hour.....Not Satisfied

Warrant 3A - Peak Hour Delay.....Not Satisfied

Approach volumes on minor street don't exceed minimums for any one hour period. Delay data not evaluated.

Warrant 3B - Peak Hour Volumes.....Not Satisfied

Volumes do not exceed minimums for any 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:

Study Date : 05/11/2023

## 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 0 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 NB	+	Major SB	=		Minor EB	Minor WB	
	<b>CSAH 17 (Lexington Ave.)</b>					<b>131st Ave.</b>		
16:00 - 17:00	1003	+	330	=	1333	3	1	No
16:15 - 17:15	970	+	347	=	1317	3	3	No
15:45 - 16:45	936	+	344	=	1280	2	1	No
16:30 - 17:30	929	+	346	=	1275	5	3	No
15:30 - 16:30	915	+	336	=	1251	5	1	No
16:45 - 17:45	888	+	346	=	1234	6	3	No
15:15 - 16:15	840	+	339	=	1179	5	1	No
17:00 - 18:00	797	+	333	=	1130	5	4	No
15:00 - 16:00	771	+	332	=	1103	6	0	No
17:15 - 18:15	731	+	332	=	1063	6	1	No
07:00 - 08:00	244	+	810	=	1054	8	0	No
07:15 - 08:15	279	+	743	=	1022	6	0	No
14:45 - 15:45	726	+	294	=	1020	5	0	No
06:45 - 07:45	219	+	793	=	1012	10	0	No
06:30 - 07:30	204	+	772	=	976	10	0	No
17:30 - 18:30	636	+	325	=	961	7	1	No
07:30 - 08:30	281	+	667	=	948	4	0	No
14:30 - 15:30	651	+	270	=	921	4	0	No
06:15 - 07:15	164	+	736	=	900	7	0	No
17:45 - 18:45	573	+	301	=	874	7	1	No
07:45 - 08:45	266	+	568	=	834	8	0	No
14:15 - 15:15	571	+	238	=	809	4	0	No
06:00 - 07:00	132	+	657	=	789	4	0	No
18:00 - 19:00	494	+	284	=	778	7	0	No
08:00 - 09:00	250		505		755	9	0	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 05/11/2023

## 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

Only 0 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 = **630**  
 Veh/Hr Minor = **53**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:00 - 17:00	1003	+	330	=	1333	3	1	No
16:15 - 17:15	970	+	347	=	1317	3	3	No
15:45 - 16:45	936	+	344	=	1280	2	1	No
16:30 - 17:30	929	+	346	=	1275	5	3	No
15:30 - 16:30	915	+	336	=	1251	5	1	No
16:45 - 17:45	888	+	346	=	1234	6	3	No
15:15 - 16:15	840	+	339	=	1179	5	1	No
17:00 - 18:00	797	+	333	=	1130	5	4	No
15:00 - 16:00	771	+	332	=	1103	6	0	No
17:15 - 18:15	731	+	332	=	1063	6	1	No
07:00 - 08:00	244	+	810	=	1054	8	0	No
07:15 - 08:15	279	+	743	=	1022	6	0	No
14:45 - 15:45	726	+	294	=	1020	5	0	No
06:45 - 07:45	219	+	793	=	1012	10	0	No
06:30 - 07:30	204	+	772	=	976	10	0	No
17:30 - 18:30	636	+	325	=	961	7	1	No
07:30 - 08:30	281	+	667	=	948	4	0	No
14:30 - 15:30	651	+	270	=	921	4	0	No
06:15 - 07:15	164	+	736	=	900	7	0	No
17:45 - 18:45	573	+	301	=	874	7	1	No
07:45 - 08:45	266	+	568	=	834	8	0	No
14:15 - 15:15	571	+	238	=	809	4	0	No
06:00 - 07:00	132	+	657	=	789	4	0	No
18:00 - 19:00	494	+	284	=	778	7	0	No
08:00 - 09:00	250		505		755	9	0	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 05/11/2023

## 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 0 hours meet 1A minimums.  
Only 0 hours meet 1B 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  
Warrant 1A 1B  
Veh/Hr Major = **336 504**  
  
Veh/Hr Minor = **84 42**

#### Major Road CSAH 17 (Lexington Ave.)

#### Minor Road 131st Ave.

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
16:00 - 17:00	1003	+	330	=	1333	3	1	No
16:15 - 17:15	970	+	347	=	1317	3	3	No
15:45 - 16:45	936	+	344	=	1280	2	1	No
16:30 - 17:30	929	+	346	=	1275	5	3	No
15:30 - 16:30	915	+	336	=	1251	5	1	No
16:45 - 17:45	888	+	346	=	1234	6	3	No
15:15 - 16:15	840	+	339	=	1179	5	1	No
17:00 - 18:00	797	+	333	=	1130	5	4	No
15:00 - 16:00	771	+	332	=	1103	6	0	No
17:15 - 18:15	731	+	332	=	1063	6	1	No
07:00 - 08:00	244	+	810	=	1054	8	0	No
07:15 - 08:15	279	+	743	=	1022	6	0	No

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:00 - 17:00	1003	+	330	=	1333	3	1	No
16:15 - 17:15	970	+	347	=	1317	3	3	No
15:45 - 16:45	936	+	344	=	1280	2	1	No
16:30 - 17:30	929	+	346	=	1275	5	3	No
15:30 - 16:30	915	+	336	=	1251	5	1	No
16:45 - 17:45	888	+	346	=	1234	6	3	No
15:15 - 16:15	840	+	339	=	1179	5	1	No
17:00 - 18:00	797	+	333	=	1130	5	4	No
15:00 - 16:00	771	+	332	=	1103	6	0	No
17:15 - 18:15	731	+	332	=	1063	6	1	No
07:00 - 08:00	244	+	810	=	1054	8	0	No
07:15 - 08:15	279	+	743	=	1022	6	0	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 05/11/2023

## 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.

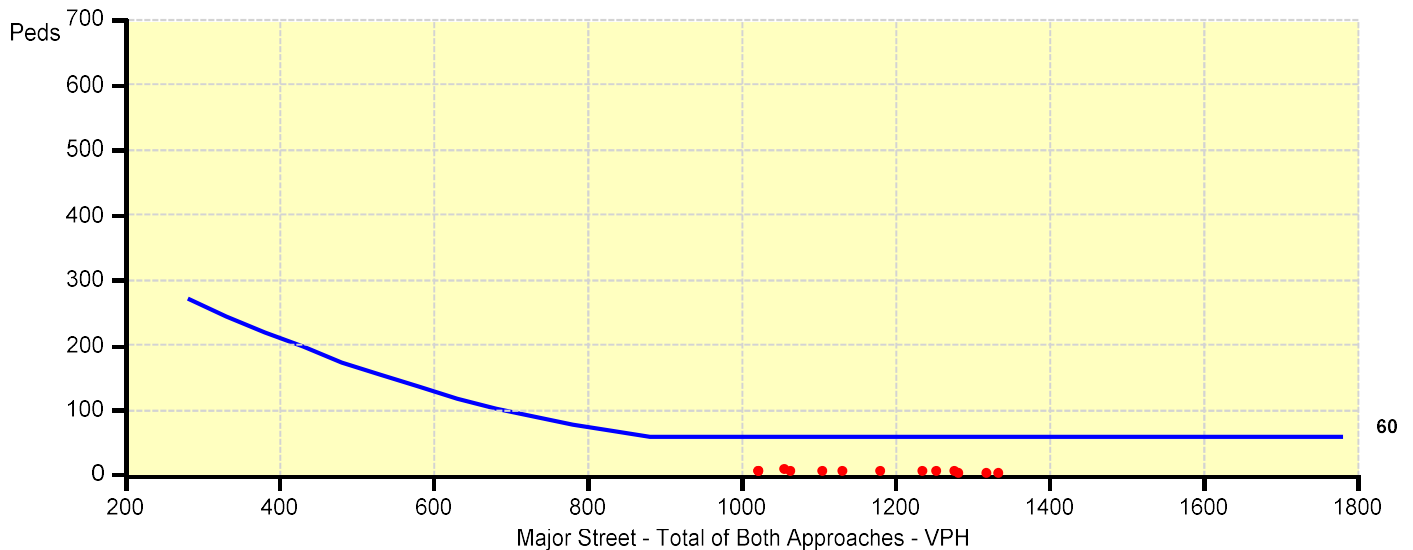
#### Summary

Only 0 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**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	<b>CSAH 17 (Lexington Ave.)</b>					<b>131st Ave.</b>		
16:00 - 17:00	1003	+	330	=	1333	3	1	No
16:15 - 17:15	970	+	347	=	1317	3	3	No
15:45 - 16:45	936	+	344	=	1280	2	1	No
16:30 - 17:30	929	+	346	=	1275	5	3	No
15:30 - 16:30	915	+	336	=	1251	5	1	No
16:45 - 17:45	888	+	346	=	1234	6	3	No
15:15 - 16:15	840	+	339	=	1179	5	1	No
17:00 - 18:00	797	+	333	=	1130	5	4	No
15:00 - 16:00	771	+	332	=	1103	6	0	No
17:15 - 18:15	731	+	332	=	1063	6	1	No
07:00 - 08:00	244	+	810	=	1054	8	0	No
07:15 - 08:15	279		743		1022	6	0	No



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 05/11/2023

## 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

Only 0 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**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	<b>CSAH 17 (Lexington Ave.)</b>					<b>131st Ave.</b>		
16:00 - 17:00	1003	+	330	=	1333	3	1	No
16:15 - 17:15	970	+	347	=	1317	3	3	No
15:45 - 16:45	936	+	344	=	1280	2	1	No
16:30 - 17:30	929	+	346	=	1275	5	3	No
15:30 - 16:30	915	+	336	=	1251	5	1	No
16:45 - 17:45	888	+	346	=	1234	6	3	No
15:15 - 16:15	840	+	339	=	1179	5	1	No
17:00 - 18:00	797	+	333	=	1130	5	4	No
15:00 - 16:00	771	+	332	=	1103	6	0	No
17:15 - 18:15	731	+	332	=	1063	6	1	No
07:00 - 08:00	244	+	810	=	1054	8	0	No
07:15 - 08:15	279		743		1022	6	0	No

