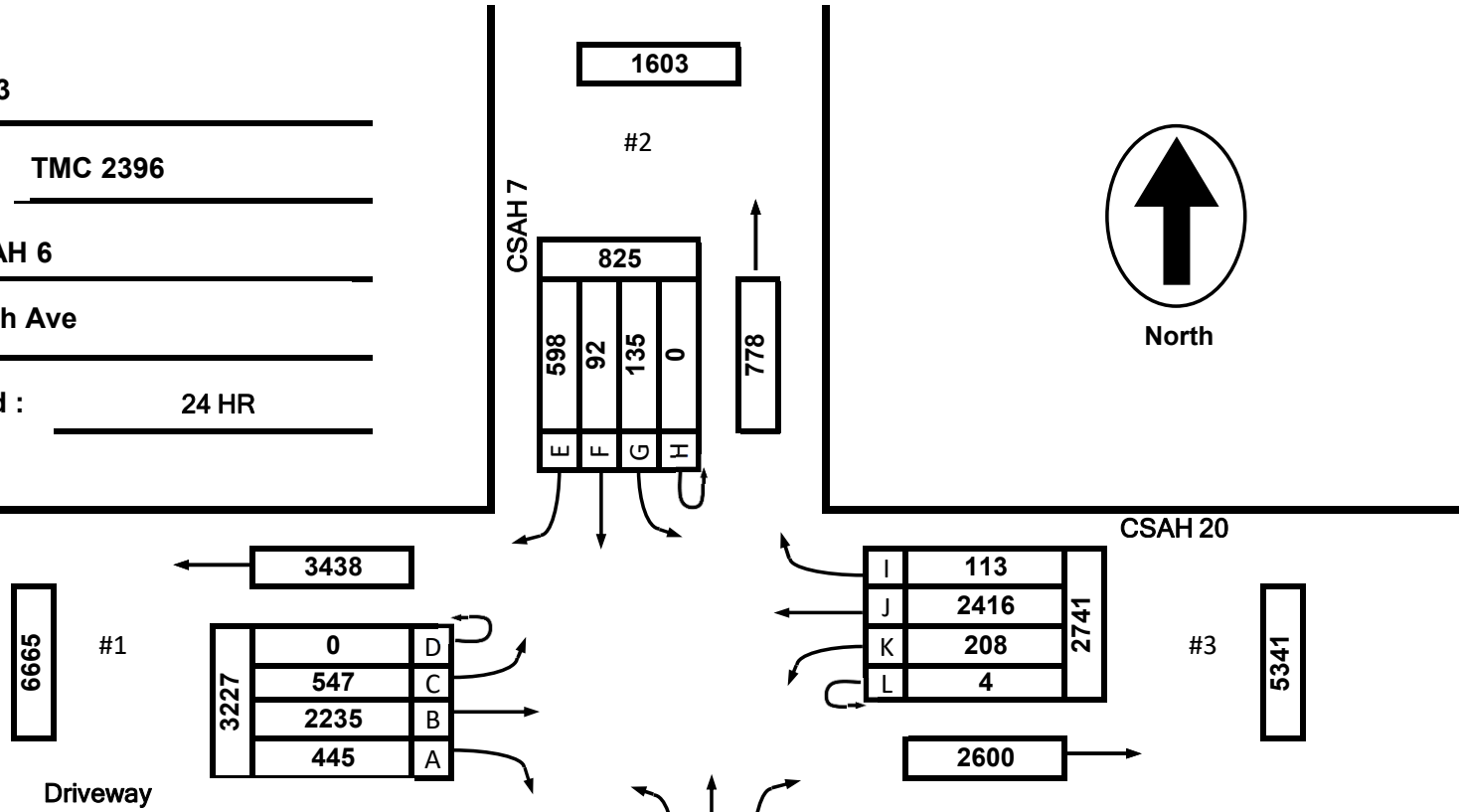
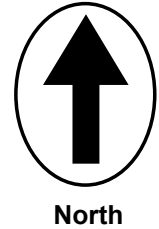


Date : 11/29/23

Count Number : TMC 2396

Location : CSAH 6  
@ 7th Ave

Collection Period : 24 HR



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

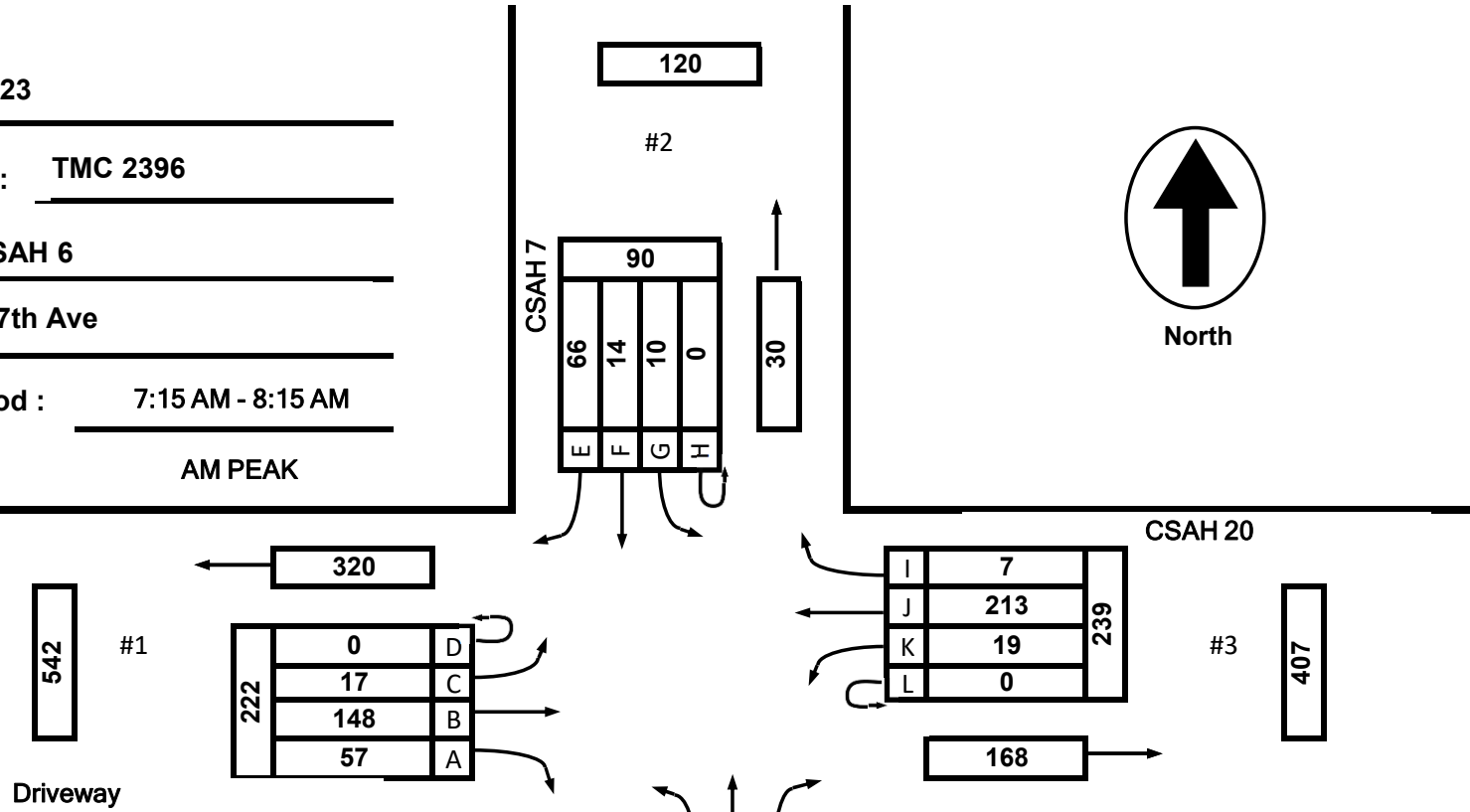
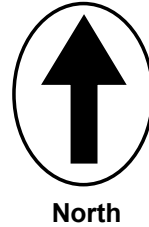
Anoka County Highway Department  
 Traffic Volume and Turning Movement Study

Date : 11/29/23

Count Number : TMC 2396

Location : CSAH 6  
@ 7th Ave

Collection Period : 7:15 AM - 8:15 AM  
**AM PEAK**



0	D
17	C
148	B
57	A

7	239
213	
19	
0	

0	P
41	O
6	N
10	M
57	

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

Anoka County Highway Department

Traffic Volume and Turning Movement Study

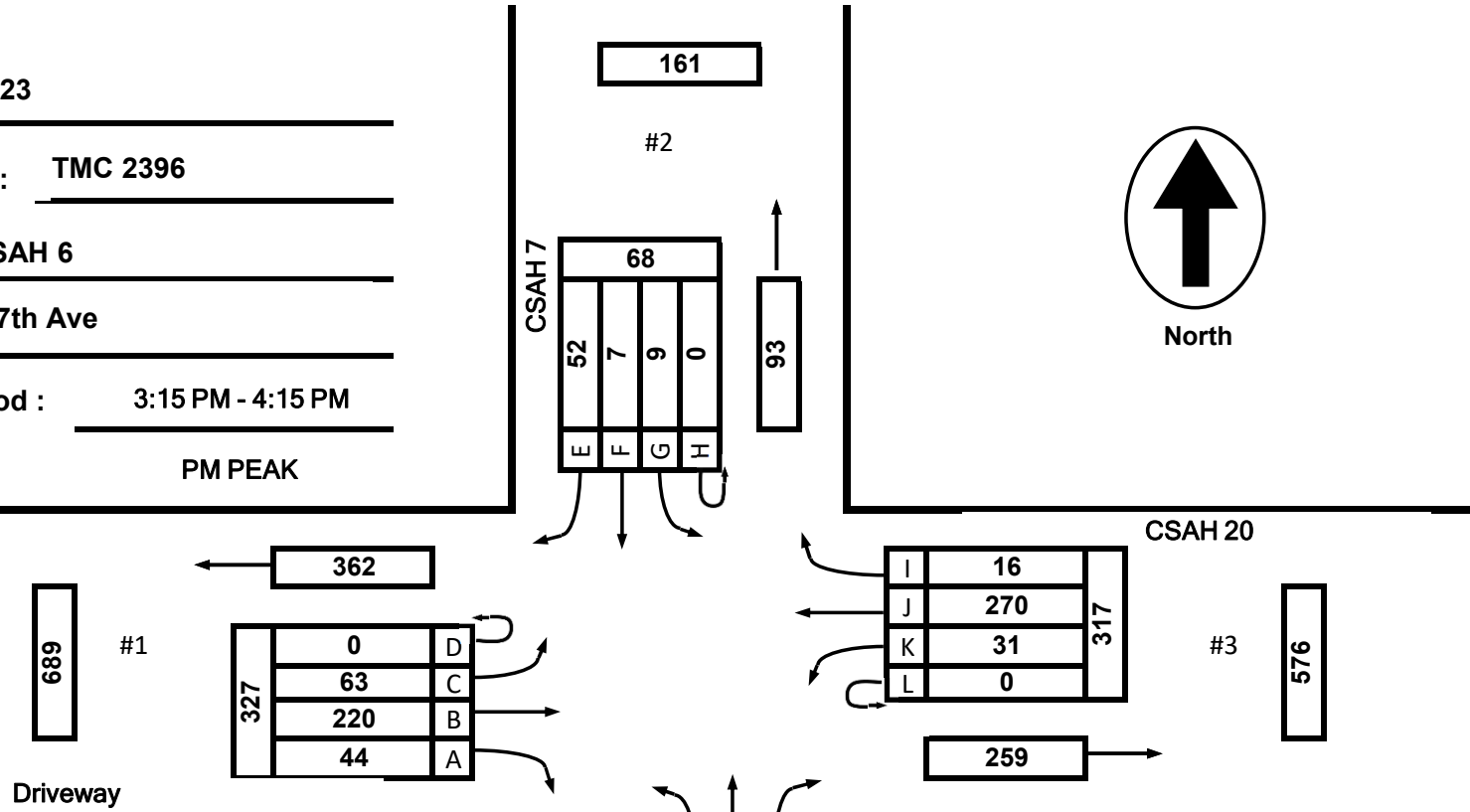
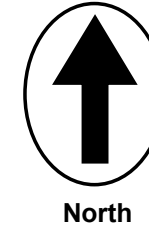
Date : 11/29/23

Count Number : TMC 2396

Location : CSAH 6  
@ 7th Ave

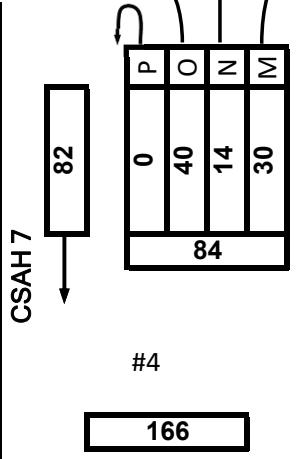
Collection Period : 3:15 PM - 4:15 PM

PM PEAK



Driveway

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



Anoka County Highway Department  
 Traffic Volume and Turning Movement Study

**TMC 2396 - CSAH 6 @ 7th Ave  
Fridley MN  
Wednesday, November 29, 2023**

Time	Southbound 7th St.						Westbound CSAH 6						Northbound 7th St.						Eastbound CSAH 6						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	1	0	0	1	0	0	0	0	0	0	0	3	1	0	0	4	5
12:15 AM	0	0	0	1	0	1	0	0	1	1	0	2	0	0	0	0	0	0	0	0	2	1	0	3	6
12:30 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	1	0	0	1	0	0	7	1	0	8	11
12:45 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	2	1	0	4	5	
Hourly Total	0	0	0	1	0	1	0	0	4	2	0	6	0	0	1	0	0	1	0	4	12	3	0	19	27
1:00 AM	0	1	0	0	0	1	0	0	3	0	0	3	0	0	0	0	0	0	1	2	1	0	4	8	
1:15 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	1	0	0	1	1	0	2	4
1:30 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	0	0	2	3	
1:45 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	1	0	2	0	0	1	0	0	1	5
Hourly Total	0	1	0	0	0	1	0	0	7	0	0	7	0	2	0	1	0	3	0	1	6	2	0	9	20
2:00 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	1	0	0	2	3	
2:15 AM	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	3	
2:30 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	2	0	0	3	4	
2:45 AM	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	1	1	0	2	4	
Hourly Total	0	0	0	2	0	2	0	0	2	2	0	4	0	0	0	0	0	0	2	5	1	0	8	14	
3:00 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	0	1	3	
3:15 AM	0	0	0	1	0	1	0	0	1	0	0	1	0	1	0	0	0	1	0	0	2	0	0	2	5
3:30 AM	0	1	0	1	0	2	0	0	1	0	0	1	0	1	0	0	0	1	0	0	1	0	0	1	5
3:45 AM	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
Hourly Total	0	1	1	2	0	4	0	0	5	0	0	5	0	2	0	0	0	2	0	1	3	0	0	4	15
4:00 AM	0	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	3
4:15 AM	0	0	0	1	0	1	0	0	2	0	0	2	0	0	0	0	0	0	0	1	0	0	1	4	
4:30 AM	0	0	1	3	0	4	0	0	6	0	0	6	0	2	0	0	0	2	0	1	2	0	3	15	
4:45 AM	0	2	0	2	0	4	0	0	8	0	0	8	0	0	0	0	0	0	1	5	0	0	6	18	
Hourly Total	0	2	2	6	0	10	0	0	16	1	0	17	0	2	0	0	0	2	2	9	0	0	11	40	
5:00 AM	0	0	1	3	0	4	0	0	2	0	0	2	0	1	0	0	0	1	0	4	0	0	4	11	
5:15 AM	0	1	0	5	0	6	0	0	8	0	0	8	0	0	0	1	0	1	0	2	0	0	3	18	
5:30 AM	0	0	1	5	0	6	0	0	11	0	0	11	0	3	0	0	0	3	0	2	0	0	2	22	
5:45 AM	0	3	0	4	0	7	0	0	8	0	0	8	0	1	0	1	0	2	0	1	7	1	0	9	26
Hourly Total	0	4	2	17	0	23	0	0	29	0	0	29	0	5	0	2	0	7	0	2	15	1	0	18	77
6:00 AM	0	2	2	5	0	9	0	0	13	1	0	14	0	0	0	2	0	2	0	1	8	0	0	9	34
6:15 AM	0	2	2	11	0	15	0	0	16	1	0	17	0	0	1	0	0	1	0	2	11	3	0	16	49
6:30 AM	0	2	0	12	0	14	0	1	25	0	0	26	0	2	1	0	0	3	0	1	14	2	0	17	60
6:45 AM	0	2	1	17	0	20	0	1	30	0	0	31	0	3	0	1	0	4	0	0	13	8	0	21	76
Hourly Total	0	8	5	45	0	58	0	2	84	2	0	88	0	5	2	3	0	10	0	4	46	13	0	63	219
7:00 AM	0	1	0	8	5	9	0	1	27	0	0	28	0	4	0	0	0	4	0	2	13	7	0	22	63
7:15 AM	0	4	1	22	0	27	0	2	43	2	0	47	0	7	1	2	0	10	0	3	29	8	0	40	124
7:30 AM	0	4	5	20	1	29	0	4	50	0	0	54	0	9	1	2	0	12	0	4	34	14	0	52	147
7:45 AM	0	2	5	14	0	21	0	9	50	4	0	63	0	17	4	2	0	23	0	5	40	21	0	66	173
Hourly Total	0	11	11	64	6	86	0	16	170	6	0	192	0	37	6	6	0	49	0	14	116	50	0	180	507

**TMC 2396 - CSAH 6 @ 7th Ave  
Fridley MN  
Wednesday, November 29, 2023**

Time	Southbound 7th St.						Westbound CSAH 6						Northbound 7th St.						Eastbound CSAH 6						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	3	10	0	13	0	4	70	1	0	75	0	8	0	4	0	12	0	5	45	14	0	64	164
8:15 AM	0	1	3	8	0	12	0	3	49	1	0	53	0	7	4	4	0	15	0	3	35	6	0	44	124
8:30 AM	0	2	0	8	3	10	0	2	36	0	0	38	0	6	1	4	0	11	0	7	18	1	0	26	85
8:45 AM	0	9	1	14	5	24	0	3	58	3	0	64	0	11	2	15	0	28	0	4	48	3	0	55	171
Hourly Total	0	12	7	40	8	59	0	12	213	5	0	230	0	32	7	27	0	66	0	19	146	24	0	189	544
9:00 AM	0	3	1	13	3	17	0	9	72	2	0	83	0	9	3	5	0	17	0	3	45	5	5	53	170
9:15 AM	0	1	2	9	0	12	0	1	31	2	0	34	0	6	1	5	0	12	0	7	35	9	0	51	109
9:30 AM	0	0	2	14	0	16	0	2	33	1	0	36	0	9	0	3	0	12	0	5	32	12	0	49	113
9:45 AM	0	2	2	11	1	15	1	2	30	1	0	34	0	5	2	3	0	10	0	8	24	11	0	43	102
Hourly Total	0	6	7	47	4	60	1	14	166	6	0	187	0	29	6	16	0	51	0	23	136	37	5	196	494
10:00 AM	0	1	0	5	0	6	0	2	36	0	0	38	0	5	0	0	0	5	0	8	29	3	0	40	89
10:15 AM	0	3	0	8	0	11	1	2	27	0	0	30	0	4	2	4	1	10	0	2	32	4	0	38	89
10:30 AM	0	3	2	9	0	14	0	0	27	2	0	29	0	5	2	3	1	10	0	4	33	7	0	44	97
10:45 AM	0	1	1	7	0	9	0	0	31	1	0	32	0	12	3	3	0	18	0	4	27	7	0	38	97
Hourly Total	0	8	3	29	0	40	1	4	121	3	0	129	0	26	7	10	2	43	0	18	121	21	0	160	372
11:00 AM	0	2	0	16	1	18	0	2	30	2	0	34	0	7	2	3	0	12	0	10	26	9	0	45	109
11:15 AM	0	4	1	11	1	16	1	3	30	0	0	34	0	5	2	6	0	13	0	10	26	3	1	39	102
11:30 AM	0	1	2	7	0	10	0	6	37	3	2	46	0	5	2	2	0	9	0	5	28	5	0	38	103
11:45 AM	0	2	1	9	0	12	0	3	39	2	0	44	0	6	1	1	0	8	0	10	32	3	0	45	109
Hourly Total	0	9	4	43	2	56	1	14	136	7	2	158	0	23	7	12	0	42	0	35	112	20	1	167	423
12:00 PM	0	4	4	8	0	16	0	2	26	2	0	30	0	10	2	4	0	16	0	9	28	8	0	45	107
12:15 PM	0	0	2	11	0	13	0	1	32	1	0	34	0	6	2	4	0	12	0	10	31	6	0	47	106
12:30 PM	0	0	1	12	0	13	0	4	39	3	0	46	0	11	2	4	0	17	0	9	27	2	1	38	114
12:45 PM	0	0	3	6	2	9	0	5	43	1	1	49	0	4	2	1	0	7	0	4	40	6	0	50	115
Hourly Total	0	4	10	37	2	51	0	12	140	7	1	159	0	31	8	13	0	52	0	32	126	22	1	180	442
1:00 PM	0	5	1	6	1	12	0	5	31	2	0	38	0	6	1	1	0	8	0	11	32	6	0	49	107
1:15 PM	0	2	2	5	0	9	0	3	38	1	0	42	0	13	2	2	1	17	0	5	34	6	2	45	113
1:30 PM	0	1	0	18	1	19	0	1	32	0	0	33	0	7	3	2	0	12	0	5	36	4	0	45	109
1:45 PM	0	4	0	4	1	8	0	1	32	1	0	34	0	2	2	2	0	6	0	1	42	10	0	53	101
Hourly Total	0	12	3	33	3	48	0	10	133	4	0	147	0	28	8	7	1	43	0	22	144	26	2	192	430
2:00 PM	0	0	3	6	0	9	0	3	31	3	0	37	0	12	0	5	0	17	0	11	28	5	0	44	107
2:15 PM	0	1	1	4	0	6	0	2	27	3	0	32	0	5	1	3	0	9	0	9	49	9	0	67	114
2:30 PM	0	4	3	9	0	16	0	8	38	2	0	48	0	6	2	5	0	13	0	20	64	12	1	96	173
2:45 PM	0	1	3	15	0	19	0	3	43	2	0	48	0	4	4	6	0	14	0	8	43	15	0	66	147
Hourly Total	0	6	10	34	0	50	0	16	139	10	0	165	0	27	7	19	0	53	0	48	184	41	1	273	541
3:00 PM	0	4	0	6	0	10	0	4	55	6	0	65	0	13	3	16	0	32	0	15	58	10	0	83	190
3:15 PM	0	3	2	12	1	17	0	3	62	1	0	66	0	13	7	6	0	26	0	14	55	12	0	81	190
3:30 PM	0	2	2	17	1	21	0	9	60	6	0	75	0	9	1	11	0	21	0	15	59	11	0	85	202
3:45 PM	0	3	1	16	8	20	0	12	66	5	8	83	0	15	2	7	0	24	0	17	37	11	1	65	192
Hourly Total	0	12	5	51	10	68	0	28	243	18	8	289	0	50	13	40	0	103	0	61	209	44	1	314	774

**TMC 2396 - CSAH 6 @ 7th Ave  
Fridley MN  
Wednesday, November 29, 2023**

Time	Southbound 7th St.						Westbound CSAH 6						Northbound 7th St.						Eastbound CSAH 6						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	1	2	7	0	10	0	7	82	4	1	93	0	3	4	6	7	13	0	17	69	10	0	96	212
4:15 PM	0	4	2	9	4	15	0	5	61	1	0	67	0	6	1	6	0	13	0	14	59	13	0	86	181
4:30 PM	0	3	2	11	3	16	0	7	61	2	2	70	0	8	3	4	0	15	0	26	66	11	2	103	204
4:45 PM	0	0	0	10	4	10	0	9	54	1	0	64	0	10	5	3	0	18	0	20	62	6	2	88	180
Hourly Total	0	8	6	37	11	51	0	28	258	8	3	294	0	27	13	19	7	59	0	77	256	40	4	373	777
5:00 PM	0	4	0	5	0	9	0	4	77	2	0	83	0	13	3	5	0	21	0	11	55	8	0	74	187
5:15 PM	0	1	0	15	0	16	0	6	55	5	0	66	0	8	3	0	0	11	0	16	63	8	0	87	180
5:30 PM	0	2	0	6	0	8	0	4	49	3	0	56	0	11	2	5	0	18	0	11	47	8	0	66	148
5:45 PM	0	1	0	5	0	6	0	2	36	2	0	40	0	12	2	8	0	22	0	10	39	8	0	57	125
Hourly Total	0	8	0	31	0	39	0	16	217	12	0	245	0	44	10	18	0	72	0	48	204	32	0	284	640
6:00 PM	0	5	1	12	0	18	0	3	28	1	0	32	0	8	1	2	0	11	0	10	46	4	0	60	121
6:15 PM	0	1	4	2	0	7	0	0	31	1	0	32	0	3	3	3	0	9	0	10	36	10	0	56	104
6:30 PM	0	1	1	14	0	16	0	3	29	1	0	33	0	2	0	0	0	2	0	15	29	8	0	52	103
6:45 PM	0	1	0	9	0	10	0	5	26	1	0	32	0	7	0	6	0	13	0	12	38	2	0	52	107
Hourly Total	0	8	6	37	0	51	0	11	114	4	0	129	0	20	4	11	0	35	0	47	149	24	0	220	435
7:00 PM	0	0	1	5	0	6	0	2	17	1	0	20	0	6	0	1	0	7	0	8	22	3	0	33	66
7:15 PM	0	2	0	3	0	5	0	4	22	1	0	27	0	4	2	1	0	7	0	4	20	4	0	28	67
7:30 PM	0	2	2	2	0	6	0	3	16	1	0	20	0	4	2	2	0	8	0	6	17	2	0	25	59
7:45 PM	0	3	1	3	0	7	0	2	14	3	0	19	0	1	4	3	0	8	0	6	15	1	0	22	56
Hourly Total	0	7	4	13	0	24	0	11	69	6	0	86	0	15	8	7	0	30	0	24	74	10	0	108	248
8:00 PM	0	2	1	4	0	7	1	1	22	1	0	25	0	2	2	4	0	8	0	3	13	3	0	19	59
8:15 PM	0	0	1	3	0	4	0	1	18	2	0	21	0	1	4	1	0	6	0	4	25	7	0	36	67
8:30 PM	0	1	1	3	0	5	0	2	17	0	0	19	0	5	0	1	0	6	0	7	16	2	0	25	55
8:45 PM	0	1	0	5	0	6	0	1	12	1	0	14	0	1	0	0	0	1	0	11	12	3	0	26	47
Hourly Total	0	4	3	15	0	22	1	5	69	4	0	79	0	9	6	6	0	21	0	25	66	15	0	106	228
9:00 PM	0	0	0	2	0	2	0	2	11	0	0	13	0	1	0	0	0	1	0	4	10	1	0	15	31
9:15 PM	0	1	0	1	0	2	0	1	8	2	0	11	0	4	1	0	0	5	0	5	15	1	0	21	39
9:30 PM	0	1	1	1	0	3	0	1	3	0	0	4	0	0	1	2	0	3	0	6	11	2	0	19	29
9:45 PM	0	0	0	0	0	0	0	0	18	0	0	18	0	0	1	1	0	2	0	9	2	0	0	13	33
Hourly Total	0	2	1	4	0	7	0	4	40	2	0	46	0	5	3	3	0	11	0	17	45	6	0	68	132
10:00 PM	0	0	1	2	0	3	0	0	13	1	0	14	0	0	0	1	0	1	0	0	12	1	0	13	31
10:15 PM	0	0	0	1	0	1	0	0	3	1	0	4	0	2	0	2	0	4	0	3	4	2	0	9	18
10:30 PM	0	1	0	2	0	3	0	1	6	0	0	7	1	0	0	2	0	3	0	3	9	2	0	14	27
10:45 PM	0	0	0	2	0	2	0	1	4	0	0	5	0	1	1	1	0	3	0	4	8	4	0	16	26
Hourly Total	0	1	1	7	0	9	0	2	26	2	0	30	1	3	1	6	0	11	0	10	33	9	0	52	102
11:00 PM	0	0	1	2	0	3	0	2	8	1	0	11	0	1	0	0	0	1	0	5	7	2	0	14	29
11:15 PM	0	0	0	1	0	1	0	1	4	0	0	5	0	0	1	0	0	1	0	4	5	2	0	11	18
11:30 PM	0	0	0	0	0	0	0	0	3	0	0	3	0	1	0	0	0	1	0	2	4	0	0	6	10
11:45 PM	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	0	0	2	4
Hourly Total	0	1	1	3	0	5	0	3	15	2	0	20	0	2	1	0	0	3	0	11	18	4	0	33	61
<b>DAILY TOTAL</b>	<b>0</b>	<b>135</b>	<b>92</b>	<b>598</b>	<b>46</b>	<b>825</b>	<b>4</b>	<b>208</b>	<b>2416</b>	<b>113</b>	<b>14</b>	<b>2741</b>	<b>1</b>	<b>424</b>	<b>118</b>	<b>226</b>	<b>10</b>	<b>769</b>	<b>0</b>	<b>547</b>	<b>2235</b>	<b>445</b>	<b>15</b>	<b>3227</b>	<b>7562</b>
<b>Cars</b>	<b>0</b>	<b>134</b>	<b>91</b>	<b>589</b>	<b>45</b>	<b>814</b>	<b>4</b>	<b>201</b>	<b>2352</b>	<b>110</b>	<b>12</b>	<b>2667</b>	<b>1</b>	<b>415</b>	<b>116</b>	<b>224</b>	<b>10</b>	<b>756</b>	<b>0</b>	<b>536</b>	<b>2181</b>	<b>422</b>	<b>11</b>	<b>3139</b>	<b>7376</b>
<b>Heavy Vehicles</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>1</b>	<b>11</b>	<b>0</b>	<b>7</b>	<b>64</b>	<b>3</b>	<b>2</b>	<b>74</b>	<b>0</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>11</b>	<b>54</b>	<b>23</b>	<b>4</b>	<b>88</b>	<b>186</b>
<b>Heavy Vehicle %</b>	<b>0.00%</b>	<b>0.74%</b>	<b>1.09%</b>	<b>1.51%</b>	<b>2.17%</b>	<b>1.33%</b>	<b>0.00%</b>	<b>3.37%</b>	<b>2.65%</b>	<b>2.65%</b>	<b>14.29%</b>	<b>2.70%</b>	<b>0.00%</b>	<b>2.12%</b>	<b>1.69%</b>	<b>0.88%</b>	<b>0.00%</b>	<b>1.69%</b>	<b>0.00%</b>	<b>2.01%</b>	<b>2.42%</b>	<b>5.17%</b>	<b>26.67%</b>	<b>2.73%</b>	<b>2.46%</b>

**TMC 2396 - CSAH 6 @ 7th Ave  
Fridley MN  
Wednesday, November 29, 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	
7:15 AM	0	4	1	22	0	27	0	2	43	2	0	47	0	7	1	2	0	10	0	3	29	8	0	40	124
7:30 AM	0	4	5	20	1	29	0	4	50	0	0	54	0	9	1	2	0	12	0	4	34	14	0	52	147
7:45 AM	0	2	5	14	0	21	0	9	50	4	0	63	0	17	4	2	0	23	0	5	40	21	0	66	173
8:00 AM	0	0	3	10	0	13	0	4	70	1	0	75	0	8	0	4	0	12	0	5	45	14	0	64	164
Peak Hour Total	0	10	14	66	1	90	0	19	213	7	0	239	0	41	6	10	0	57	0	17	148	57	0	222	608
PHF	0.000	0.625	0.700	0.750	0.250	0.776	0.000	0.528	0.761	0.438	0.000	0.797	0.000	0.603	0.375	0.625	0.000	0.620	0.000	0.850	0.822	0.679	0.000	0.841	0.879

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	
3:15 PM	0	3	2	12	1	17	0	3	62	1	0	66	0	13	7	6	0	26	0	14	55	12	0	81	190
3:30 PM	0	2	2	17	1	21	0	9	60	6	0	75	0	9	1	11	0	21	0	15	59	11	0	85	202
3:45 PM	0	3	1	16	8	20	0	12	66	5	8	83	0	15	2	7	0	24	0	17	37	11	1	65	192
4:00 PM	0	1	2	7	0	10	0	7	82	4	1	93	0	3	4	6	7	13	0	17	69	10	0	96	212
Peak Hour Total	0	9	7	52	10	68	0	31	270	16	9	317	0	40	14	30	7	84	0	63	220	44	1	327	796
PHF	0.000	0.750	0.875	0.765	0.313	0.810	0.000	0.646	0.823	0.667	0.281	0.852	0.000	0.667	0.500	0.682	0.250	0.808	0.000	0.926	0.797	0.917	0.250	0.852	0.939

Total Vehicles On Leg		1603			
Vehicles Entering Intersection		825		Vehicles Exiting Intersection	
				778	
Southbound					
Cars	589	91	134	0	45
Heavy	9	1	1	0	1
<b>Total</b>	<b>598</b>	<b>92</b>	<b>135</b>	<b>0</b>	<b>46</b>



Total Vehicles on Leg 6665	Eastbound	Vehicles Entering Intersection	3227			
		Cars	11	4	15	
		Heavy	0	0	0	
		Vehicles Exiting Intersection	3438	536	11	547
		Cars	2181	54	2235	
Heavy	422	23	445			



Daily Volumes

Cars	110	3	113	Westbound	Vehicles Entering Intersection	2741	Total Vehicles on Leg 5341
Heavy	2352	64	2416				
Cars	201	7	208				
Heavy	4	0	4				
<b>Total</b>	<b>12</b>	<b>2</b>	<b>14</b>		Vehicles Exiting Intersection	2600	



Cars	10	1	415	116	224
Heavy	0	0	9	2	2
<b>Total</b>	<b>10</b>	<b>1</b>	<b>424</b>	<b>118</b>	<b>226</b>
Northbound					
Vehicles Entering Intersection			769		
Vehicles Exiting Intersection			746		
Total Vehicles On Leg			1515		



# 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
11/29/2023	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	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	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	1	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	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
	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
	5:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	6:45	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0
	7:30	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	5	0
	7:45	0	0	0	1	0	0	0	1	2	1	0	0	0	2	0	0	0	0	0	0	0	1	0	0
	8:00	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0
	8:15	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0
	8:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8:45	0	0	0	0	0	0	0	0	4	0	0	0	0	1	0	1	0	0	0	0	2	0	0	0
	9:00	0	0	0	0	0	0	0	1	8	0	0	0	0	0	0	0	0	0	0	1	6	1	0	0
	9:15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	9:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	9:45	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
	10:00	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	10:30	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
	10:45	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	11:00	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	11:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0
	11:30	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0
	11:45	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0





# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2396

Study Date : 12/05/2023

## Signal Warrants - Summary

### Major Street Approaches

#### Eastbound: CSAH 6

Number of Lanes : 2+

Total Approach Volume: 3,227

#### Westbound: CSAH 6

Number of Lanes :2+

Total Approach Volume: 2,741

### Minor Street Approaches

#### Northbound: 7th St

Number of Lanes :1

Total Approach Volume: 769

#### Southbound: 7th St

Number of Lanes :1

Total Approach Volume: 825

### Warrant Summary (Urban 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: TMC 2396

Study Date : 12/05/2023

## 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 = **False**  
 Number of Major Lanes = **2 or more**  
 Number of Minor Lanes = **1**

**Volume Requirements**

Veh/Hr Major = **600**

Veh/Hr Minor = **150**

Time	Major Road					Minor Road			Met?
	CSAH 6	+	Major WB	=	Total	Minor NB	Minor SB		
16:00 - 17:00	373	+	294	=	667	59	51		No
15:45 - 16:45	350	+	313	=	663	65	61		No
15:30 - 16:30	332	+	318	=	650	71	66		No
15:15 - 16:15	327	+	317	=	644	84	68		No
16:30 - 17:30	352	+	283	=	635	65	51		No
16:15 - 17:15	351	+	284	=	635	67	50		No
15:00 - 16:00	314	+	289	=	603	103	68		No
16:45 - 17:45	315	+	269	=	584	68	43		No
14:45 - 15:45	315	+	254	=	569	93	67		No
14:30 - 15:30	326	+	227	=	553	85	62		No
17:00 - 18:00	284	+	245	=	529	72	39		No
14:15 - 15:15	312	+	193	=	505	68	51		No
07:30 - 08:30	226	+	245	=	471	62	75		No
17:15 - 18:15	270	+	194	=	464	62	48		No
07:15 - 08:15	222	+	239	=	461	57	90		No
14:00 - 15:00	273	+	165	=	438	53	50		No
07:45 - 08:45	200	+	229	=	429	61	56		No
08:45 - 09:45	208	+	217	=	425	69	69		No
08:00 - 09:00	189	+	230	=	419	66	59		No
08:15 - 09:15	178	+	238	=	416	71	63		No
13:45 - 14:45	260	+	151	=	411	45	39		No
08:30 - 09:30	185	+	219	=	404	68	63		No
17:30 - 18:30	239	+	160	=	399	60	39		No
09:00 - 10:00	196	+	187	=	383	51	60		No
07:00 - 08:00	180		192		372	49	86		No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2396

Study Date : 12/05/2023

## 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 = **False**  
 Number of Major Lanes = **2 or more**  
 Number of Minor Lanes = **1**

#### Volume Requirements

Veh/Hr Major = **900**

Veh/Hr Minor = **75**

Time	Major Road				Total	Minor Road		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:00 - 17:00	373	+	294	=	667	59	51	No
15:45 - 16:45	350	+	313	=	663	65	61	No
15:30 - 16:30	332	+	318	=	650	71	66	No
15:15 - 16:15	327	+	317	=	644	84	68	No
16:30 - 17:30	352	+	283	=	635	65	51	No
16:15 - 17:15	351	+	284	=	635	67	50	No
15:00 - 16:00	314	+	289	=	603	103	68	No
16:45 - 17:45	315	+	269	=	584	68	43	No
14:45 - 15:45	315	+	254	=	569	93	67	No
14:30 - 15:30	326	+	227	=	553	85	62	No
17:00 - 18:00	284	+	245	=	529	72	39	No
14:15 - 15:15	312	+	193	=	505	68	51	No
07:30 - 08:30	226	+	245	=	471	62	75	No
17:15 - 18:15	270	+	194	=	464	62	48	No
07:15 - 08:15	222	+	239	=	461	57	90	No
14:00 - 15:00	273	+	165	=	438	53	50	No
07:45 - 08:45	200	+	229	=	429	61	56	No
08:45 - 09:45	208	+	217	=	425	69	69	No
08:00 - 09:00	189	+	230	=	419	66	59	No
08:15 - 09:15	178	+	238	=	416	71	63	No
13:45 - 14:45	260	+	151	=	411	45	39	No
08:30 - 09:30	185	+	219	=	404	68	63	No
17:30 - 18:30	239	+	160	=	399	60	39	No
09:00 - 10:00	196	+	187	=	383	51	60	No
07:00 - 08:00	180		192		372	49	86	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2396

Study Date : 12/05/2023

## 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 = **False**  
Number of Major Lanes = **2 or more**  
Number of Minor Lanes = **1**

#### Volume Requirements

Warrant 1A 1B  
Veh/Hr Major = **480 720**  
  
Veh/Hr Minor = **120 60**

#### Major Road CSAH 6

#### Minor Road 7th St

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1A?
16:00 - 17:00	373	+	294	=	667	59	51	No
15:45 - 16:45	350	+	313	=	663	65	61	No
15:30 - 16:30	332	+	318	=	650	71	66	No
15:15 - 16:15	327	+	317	=	644	84	68	No
16:15 - 17:15	351	+	284	=	635	67	50	No
16:30 - 17:30	352	+	283	=	635	65	51	No
15:00 - 16:00	314	+	289	=	603	103	68	No
16:45 - 17:45	315	+	269	=	584	68	43	No
14:45 - 15:45	315	+	254	=	569	93	67	No
14:30 - 15:30	326	+	227	=	553	85	62	No
17:00 - 18:00	284	+	245	=	529	72	39	No
14:15 - 15:15	312	+	193	=	505	68	51	No

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
16:00 - 17:00	373	+	294	=	667	59	51	No
15:45 - 16:45	350	+	313	=	663	65	61	No
15:30 - 16:30	332	+	318	=	650	71	66	No
15:15 - 16:15	327	+	317	=	644	84	68	No
16:15 - 17:15	351	+	284	=	635	67	50	No
16:30 - 17:30	352	+	283	=	635	65	51	No
15:00 - 16:00	314	+	289	=	603	103	68	No
16:45 - 17:45	315	+	269	=	584	68	43	No
14:45 - 15:45	315	+	254	=	569	93	67	No
14:30 - 15:30	326	+	227	=	553	85	62	No
17:00 - 18:00	284	+	245	=	529	72	39	No
14:15 - 15:15	312	+	193	=	505	68	51	No

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2396

Study Date : 12/05/2023

## 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.

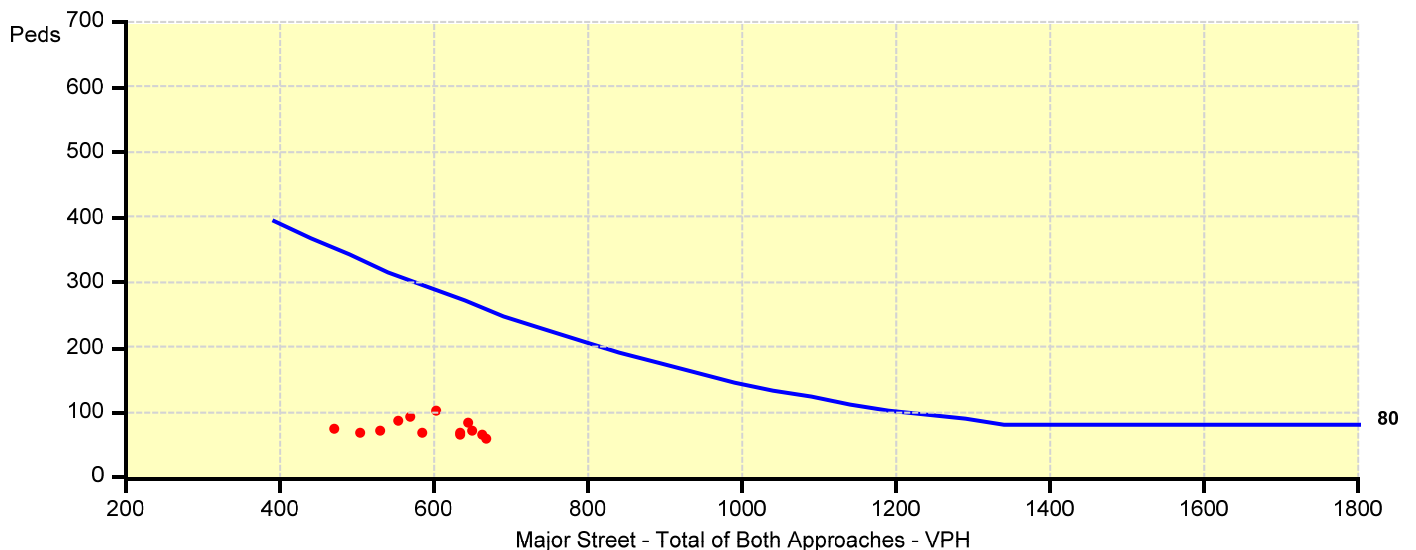
#### Summary

Only 0 one hour periods meet minimums.  
Warrant is NOT met.

#### Site Data Required

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

Time	Major Road CSAH 6				Total	Minor Road 7th St		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:00 - 17:00	373	+	294	=	667	59	51	No
15:45 - 16:45	350	+	313	=	663	65	61	No
15:30 - 16:30	332	+	318	=	650	71	66	No
15:15 - 16:15	327	+	317	=	644	84	68	No
16:30 - 17:30	352	+	283	=	635	65	51	No
16:15 - 17:15	351	+	284	=	635	67	50	No
15:00 - 16:00	314	+	289	=	603	103	68	No
16:45 - 17:45	315	+	269	=	584	68	43	No
14:45 - 15:45	315	+	254	=	569	93	67	No
14:30 - 15:30	326	+	227	=	553	85	62	No
17:00 - 18:00	284	+	245	=	529	72	39	No
14:15 - 15:15	312	+	193	=	505	68	51	No



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2396

Study Date : 12/05/2023

## 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 = **False**  
 Number of Major Lanes = **2 or more**  
 Number of Minor Lanes = **1**

Time	Major Road CSAH 6				Total	Minor Road 7th St		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:00 - 17:00	373	+	294	=	667	59	51	No
15:45 - 16:45	350	+	313	=	663	65	61	No
15:30 - 16:30	332	+	318	=	650	71	66	No
15:15 - 16:15	327	+	317	=	644	84	68	No
16:30 - 17:30	352	+	283	=	635	65	51	No
16:15 - 17:15	351	+	284	=	635	67	50	No
15:00 - 16:00	314	+	289	=	603	103	68	No
16:45 - 17:45	315	+	269	=	584	68	43	No
14:45 - 15:45	315	+	254	=	569	93	67	No
14:30 - 15:30	326	+	227	=	553	85	62	No
17:00 - 18:00	284	+	245	=	529	72	39	No
14:15 - 15:15	312	+	193	=	505	68	51	No

