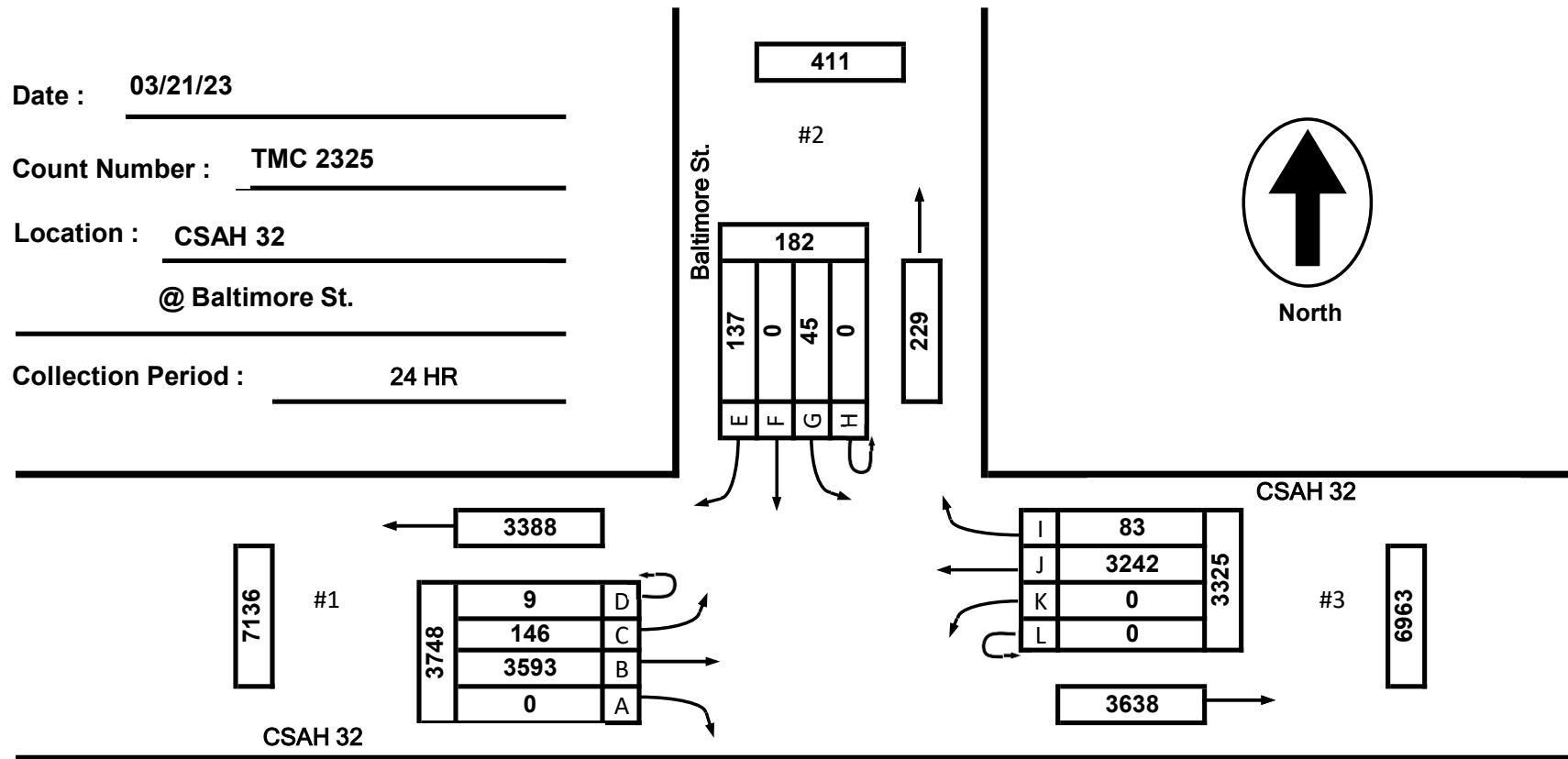


Date : 03/21/23

Count Number : TMC 2325

Location : CSAH 32
@ Baltimore St.

Collection Period : 24 HR



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

Anoka County Highway Department

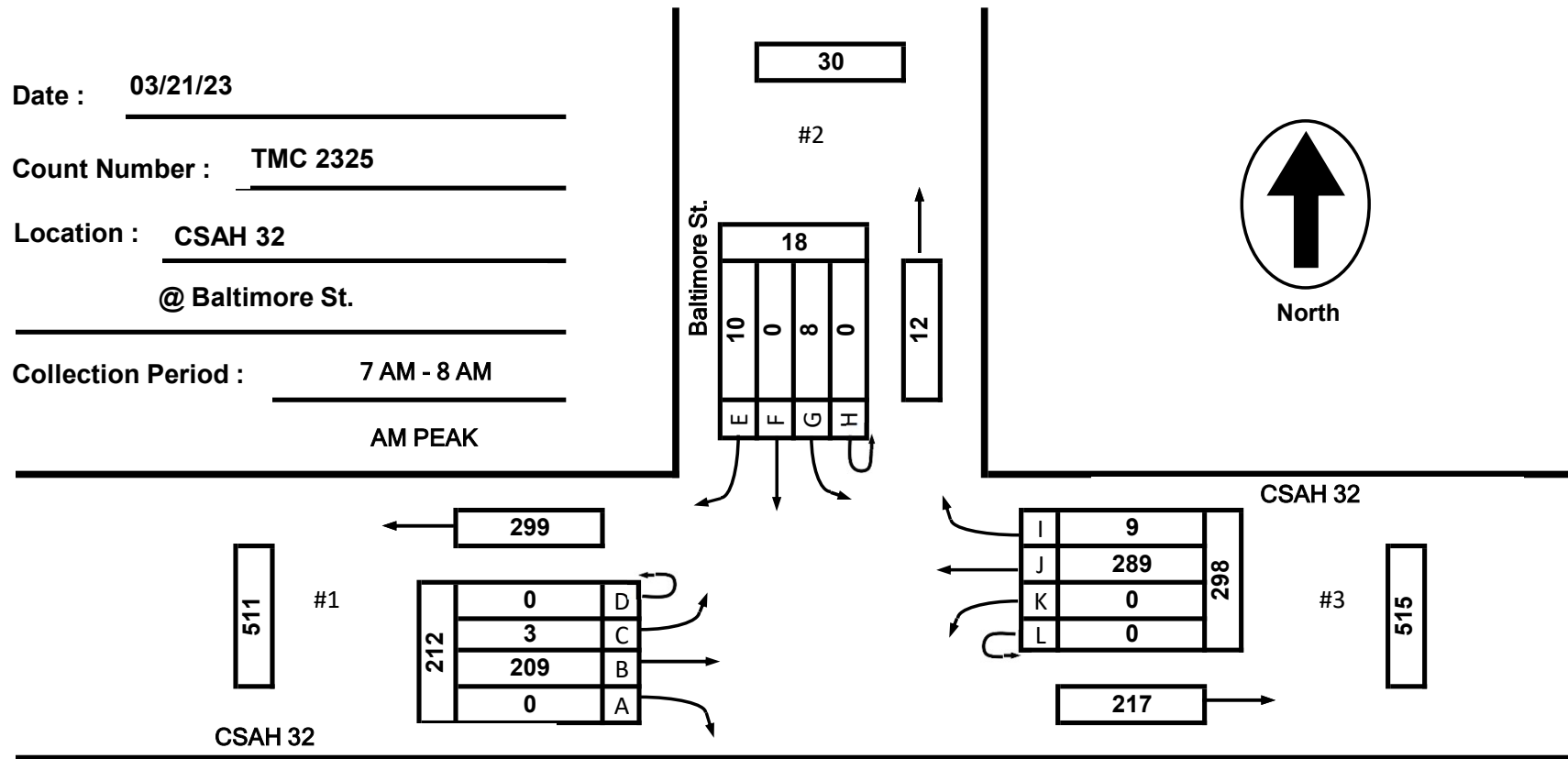
Traffic Volume and Turning Movement Study

Date : 03/21/23

Count Number : TMC 2325

Location : CSAH 32
@ Baltimore St.

Collection Period : 7 AM - 8 AM
AM PEAK



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

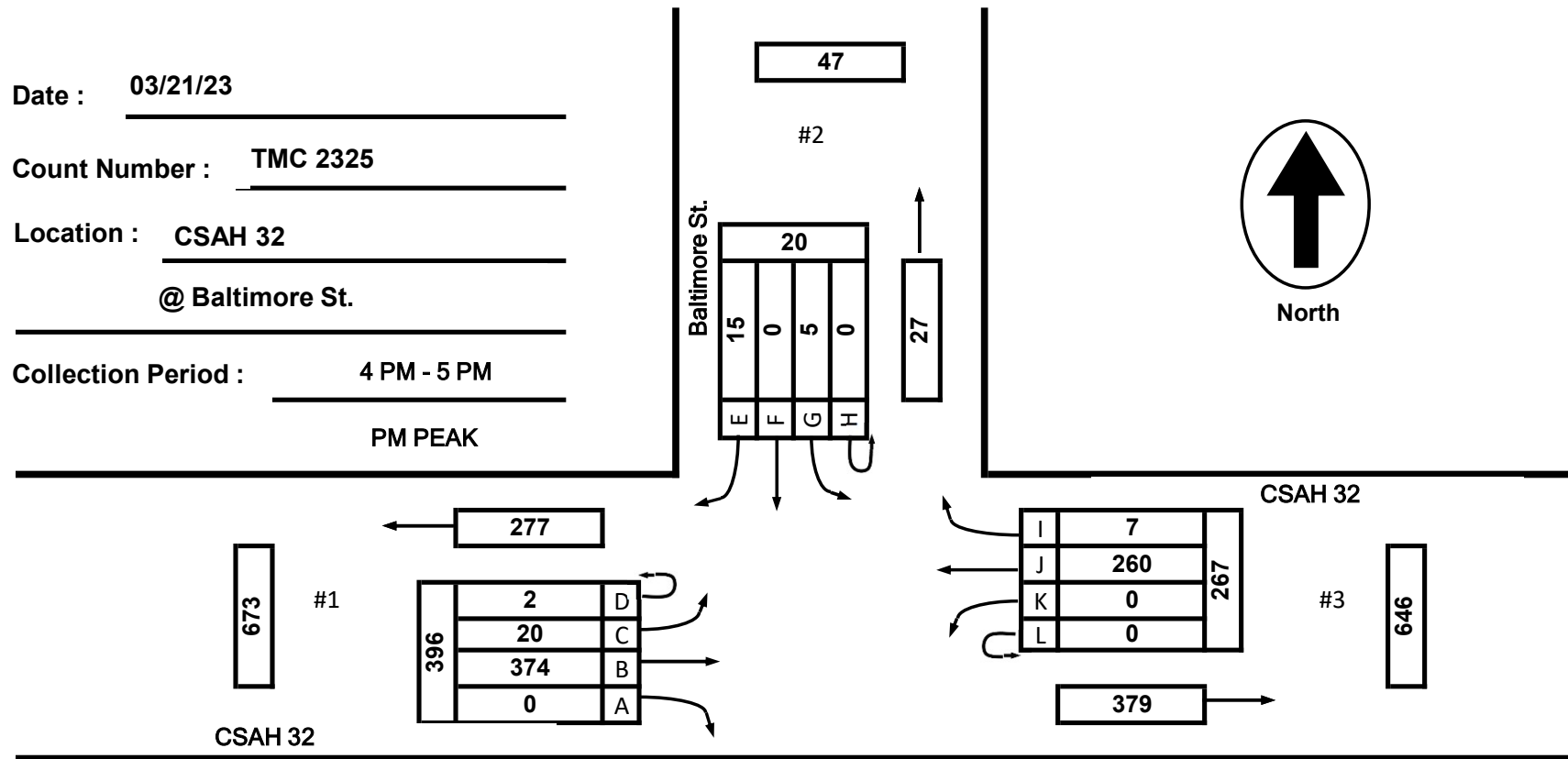
Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 03/21/23

Count Number : TMC 2325

Location : CSAH 32
@ Baltimore St.

Collection Period : 4 PM - 5 PM
PM PEAK



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

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

TMC 2325 - CSAH 32 @ Baltimore St
0 0

Tuesday, March 21, 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	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	1	5	0	0	6	9
12:15 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	4	0	0	4	6
12:30 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	4	5
12:45 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	4	5
Hourly Total	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	0	1	17	0	0	18	25
1:00 AM	0	0	0	0	0	0	0	0	6	1	0	7	0	0	0	0	0	0	0	0	3	0	0	3	10
1:15 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
1:30 AM	0	0	0	1	0	1	0	0	3	0	0	3	0	0	0	0	0	0	0	0	2	0	0	2	6
1:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Hourly Total	0	0	0	1	0	1	0	0	11	1	0	12	0	0	0	0	0	0	0	0	9	0	0	9	22
2:00 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
2:15 AM	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	1	0	3	0	0	4	12
2:30 AM	0	0	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
2:45 AM	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	6	7
Hourly Total	0	0	0	2	0	2	0	0	10	0	0	10	0	0	0	0	0	0	1	0	11	0	0	12	24
3:00 AM	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
3:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
3:30 AM	0	0	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	0	0	0	5	0	0	5	15
3:45 AM	0	0	0	0	0	0	0	0	4	1	0	5	0	0	0	0	0	0	0	0	7	0	0	7	12
Hourly Total	0	0	0	0	0	0	0	0	16	1	0	17	0	0	0	0	0	0	0	0	14	0	0	14	31
4:00 AM	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	0	0	7	0	0	7	15
4:15 AM	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	0	0	6	0	0	6	15
4:30 AM	0	2	0	1	0	3	0	0	14	0	0	14	0	0	0	0	0	0	0	0	24	0	0	24	41
4:45 AM	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	0	0	20	0	0	20	29
Hourly Total	0	2	0	1	0	3	0	0	40	0	0	40	0	0	0	0	0	0	0	0	57	0	0	57	100
5:00 AM	0	0	0	2	0	2	0	0	14	0	0	14	0	0	0	0	0	0	0	0	15	0	0	15	31
5:15 AM	0	0	0	2	0	2	0	0	22	0	0	22	0	0	0	0	0	0	0	1	12	0	0	13	37
5:30 AM	0	0	0	0	0	0	0	0	32	1	0	33	0	0	0	0	0	0	0	0	24	0	0	24	57
5:45 AM	0	1	0	1	0	2	0	0	23	0	0	23	0	0	0	0	0	0	0	1	26	0	0	27	52
Hourly Total	0	1	0	5	0	6	0	0	91	1	0	92	0	0	0	0	0	0	0	2	77	0	0	79	177
6:00 AM	0	1	0	3	0	4	0	0	24	0	0	24	0	0	0	0	0	0	0	0	26	0	0	26	54
6:15 AM	0	0	0	0	0	0	0	0	26	1	0	27	0	0	0	0	0	0	0	0	29	0	0	29	56
6:30 AM	0	1	0	0	0	1	0	0	50	0	0	50	0	0	0	0	0	0	0	2	29	0	0	31	82
6:45 AM	0	2	0	1	0	3	0	0	36	1	0	37	0	0	0	0	0	0	0	1	46	0	0	47	87
Hourly Total	0	4	0	4	0	8	0	0	136	2	0	138	0	0	0	0	0	0	0	3	130	0	0	133	279
7:00 AM	0	0	0	0	0	0	0	0	57	1	0	58	0	0	0	0	0	0	0	1	42	0	0	43	101
7:15 AM	0	0	0	3	0	3	0	0	70	3	0	73	0	0	0	0	0	0	0	0	48	0	0	48	124
7:30 AM	0	6	0	5	0	11	0	0	76	2	0	78	0	0	0	0	0	0	0	1	47	0	0	48	137
7:45 AM	0	2	0	0	0	2	0	0	83	2	0	85	0	0	0	0	0	0	0	2	68	0	0	70	157
Hourly Total	0	8	0	8	0	16	0	0	286	8	0	294	0	0	0	0	0	0	0	4	205	0	0	209	519

TMC 2325 - CSAH 32 @ Baltimore St

0 0

Tuesday, March 21, 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	0	2	0	2	0	0	60	2	0	62	0	0	0	0	0	0	0	0	46	0	0	46	0	0	0	0	0	0	110
8:15 AM	0	0	0	2	0	2	0	0	37	3	0	40	0	0	0	0	0	0	0	0	41	0	0	41	0	0	0	0	0	0	83
8:30 AM	0	0	0	0	0	0	0	0	53	3	0	56	0	0	0	0	0	0	0	1	57	0	0	58	0	0	0	0	0	0	114
8:45 AM	0	1	0	2	0	3	0	0	56	2	0	58	0	0	0	0	0	0	0	1	44	0	0	45	0	0	0	0	0	0	106
Hourly Total	0	1	0	6	0	7	0	0	206	10	0	216	0	0	0	0	0	0	0	2	188	0	0	190	0	0	0	0	0	0	413
9:00 AM	0	1	0	1	0	2	0	0	52	2	1	54	0	0	0	0	0	0	0	2	49	0	0	51	0	0	0	0	0	0	107
9:15 AM	0	0	0	2	0	2	0	0	54	2	0	56	0	0	0	0	0	0	0	1	48	0	0	49	0	0	0	0	0	0	107
9:30 AM	0	0	0	4	0	4	0	0	58	1	0	59	0	0	0	0	0	0	0	0	35	0	0	35	0	0	0	0	0	0	98
9:45 AM	0	0	0	3	0	3	0	0	51	0	0	51	0	0	0	0	0	0	0	3	34	0	0	37	0	0	0	0	0	0	91
Hourly Total	0	1	0	10	0	11	0	0	215	5	1	220	0	0	0	0	0	0	0	6	166	0	0	172	0	0	0	0	0	0	403
10:00 AM	0	1	0	2	1	3	0	0	57	0	0	57	0	0	0	0	0	0	0	1	49	0	0	50	0	0	0	0	0	0	110
10:15 AM	0	0	0	1	0	1	0	0	45	0	0	45	0	0	0	0	0	0	0	3	41	0	0	44	0	0	0	0	0	0	90
10:30 AM	0	0	0	4	0	4	0	0	45	2	0	47	0	0	0	0	0	0	0	1	45	0	0	46	0	0	0	0	0	0	97
10:45 AM	0	0	0	4	0	4	0	0	48	0	0	48	0	0	0	0	0	0	0	3	47	0	0	50	0	0	0	0	0	0	102
Hourly Total	0	1	0	11	1	12	0	0	195	2	0	197	0	0	0	0	0	0	0	8	182	0	0	190	0	0	0	0	0	0	399
11:00 AM	0	0	0	3	0	3	0	0	45	1	0	46	0	0	0	0	0	0	0	2	36	0	0	38	0	0	0	0	0	0	87
11:15 AM	0	1	0	0	0	1	0	0	65	2	0	67	0	0	0	0	0	0	1	1	62	0	0	64	0	0	0	0	0	0	132
11:30 AM	0	1	0	1	1	2	0	0	49	1	0	50	0	0	0	0	0	0	1	2	63	0	0	66	0	0	0	0	0	0	118
11:45 AM	0	0	0	0	0	0	0	0	43	1	0	44	0	0	0	0	0	0	0	2	54	0	0	56	0	0	0	0	0	0	100
Hourly Total	0	2	0	4	1	6	0	0	202	5	0	207	0	0	0	0	0	0	2	7	215	0	0	224	0	0	0	0	0	0	437
12:00 PM	0	0	0	3	0	3	0	0	46	1	0	47	0	0	0	0	0	0	0	2	75	0	0	77	0	0	0	0	0	0	127
12:15 PM	0	1	0	3	0	4	0	0	46	2	0	48	0	0	0	0	0	0	0	3	61	0	0	64	0	0	0	0	0	0	116
12:30 PM	0	0	0	1	0	1	0	0	56	3	0	59	0	0	0	0	0	0	0	6	60	0	0	66	0	0	0	0	0	0	126
12:45 PM	0	1	0	4	0	5	0	0	48	0	0	48	0	0	0	0	0	0	0	2	61	0	0	63	0	0	0	0	0	0	116
Hourly Total	0	2	0	11	0	13	0	0	196	6	0	202	0	0	0	0	0	0	0	13	257	0	0	270	0	0	0	0	0	0	485
1:00 PM	0	0	0	6	0	6	0	0	47	0	0	47	0	0	0	0	0	0	0	4	50	0	0	54	0	0	0	0	0	0	107
1:15 PM	0	0	0	2	0	2	0	0	49	1	0	50	0	0	0	0	0	0	0	1	43	0	0	44	0	0	0	0	0	0	96
1:30 PM	0	3	0	2	0	5	0	0	47	1	0	48	0	0	0	0	0	0	0	2	43	0	0	45	0	0	0	0	0	0	98
1:45 PM	0	0	0	1	0	1	0	0	50	0	0	50	0	0	0	0	0	0	0	4	74	0	0	78	0	0	0	0	0	0	129
Hourly Total	0	3	0	11	0	14	0	0	193	2	0	195	0	0	0	0	0	0	0	11	210	0	0	221	0	0	0	0	0	0	430
2:00 PM	0	0	0	1	0	1	0	0	61	0	0	61	0	0	0	0	0	0	0	4	36	0	0	40	0	0	0	0	0	0	102
2:15 PM	0	0	0	2	0	2	0	0	67	2	0	69	0	0	0	0	0	0	1	3	63	0	0	67	0	0	0	0	0	0	138
2:30 PM	0	1	0	1	0	2	0	0	72	1	0	73	0	0	0	0	0	0	0	5	55	0	0	60	0	0	0	0	0	0	135
2:45 PM	0	1	0	4	0	5	0	0	60	3	0	63	0	0	0	0	0	0	0	5	69	0	0	74	0	0	0	0	0	0	142
Hourly Total	0	2	0	8	0	10	0	0	260	6	0	266	0	0	0	0	0	0	1	17	223	0	0	241	0	0	0	0	0	0	517
3:00 PM	0	1	0	3	0	4	0	0	60	3	0	63	0	0	0	0	0	0	0	3	89	0	0	92	0	0	0	0	0	0	159
3:15 PM	0	1	0	4	0	5	0	0	58	5	0	63	0	0	0	0	0	0	1	4	87	0	0	92	0	0	0	0	0	0	160
3:30 PM	0	1	0	3	0	4	0	0	61	1	0	62	0	0	0	0	0	0	2	3	83	0	0	88	0	0	0	0	0	0	154
3:45 PM	0	0	0	3	0	3	0	0	63	1	0	64	0	0	0	0	0	0	1	3	86	0	0	90	0	0	0	0	0	0	157
Hourly Total	0	3	0	13	0	16	0	0	242	10	0	252	0	0	0	0	0	0	4	13	345	0	0	362	0	0	0	0	0	0	630

TMC 2325 - CSAH 32 @ Baltimore St
0 0
Tuesday, March 21, 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	2	0	4	0	6	0	0	66	5	0	71	0	0	0	0	0	0	0	4	104	0	0	108	185
4:15 PM	0	1	0	2	0	3	0	0	65	0	0	65	0	0	0	0	0	0	1	4	86	0	0	91	159
4:30 PM	0	2	0	6	1	8	0	0	66	1	0	67	0	0	0	0	0	0	0	9	98	0	0	107	182
4:45 PM	0	1	0	2	0	3	0	0	60	2	0	62	0	0	0	0	0	0	0	5	83	0	0	88	153
Hourly Total	0	6	0	14	1	20	0	0	257	8	0	265	0	0	0	0	0	0	1	22	371	0	0	394	679
5:00 PM	0	0	0	4	0	4	0	0	53	1	0	54	0	0	0	0	0	0	0	4	95	0	0	99	157
5:15 PM	0	0	0	3	0	3	0	0	61	2	0	63	0	0	0	0	0	0	0	2	62	0	0	64	130
5:30 PM	0	1	0	1	0	2	0	0	58	1	0	59	0	0	0	0	0	0	0	3	72	0	0	75	136
5:45 PM	0	1	0	3	0	4	0	0	56	0	0	56	0	0	0	0	0	0	0	2	59	0	0	61	121
Hourly Total	0	2	0	11	0	13	0	0	228	4	0	232	0	0	0	0	0	0	0	11	288	0	0	299	544
6:00 PM	0	2	0	0	0	2	0	0	35	1	0	36	0	0	0	0	0	0	0	2	55	0	0	57	95
6:15 PM	0	0	0	1	0	1	0	0	40	3	0	43	0	0	0	0	0	0	0	2	51	0	0	53	97
6:30 PM	0	1	0	4	0	5	0	0	31	1	0	32	0	0	0	0	0	0	0	3	47	0	0	50	87
6:45 PM	0	0	0	0	0	0	0	0	36	0	0	36	0	0	0	0	0	0	0	1	43	0	0	44	80
Hourly Total	0	3	0	5	0	8	0	0	142	5	0	147	0	0	0	0	0	0	0	8	196	0	0	204	359
7:00 PM	0	1	0	1	0	2	0	0	32	0	0	32	0	0	0	0	0	0	0	2	43	0	0	45	79
7:15 PM	0	0	0	1	0	1	0	0	26	0	0	26	0	0	0	0	0	0	0	0	41	0	0	41	68
7:30 PM	0	0	0	1	0	1	0	0	28	1	0	29	0	0	0	0	0	0	0	1	36	0	0	37	67
7:45 PM	0	0	0	2	0	2	0	0	13	0	0	13	0	0	0	0	0	0	0	1	30	0	0	31	46
Hourly Total	0	1	0	5	0	6	0	0	99	1	0	100	0	0	0	0	0	0	0	4	150	0	0	154	260
8:00 PM	0	0	0	0	0	0	0	0	21	0	0	21	0	0	0	0	0	0	0	2	34	0	0	36	57
8:15 PM	0	0	0	0	0	0	0	0	24	1	0	25	0	0	0	0	0	0	0	0	28	0	0	28	53
8:30 PM	0	0	0	1	0	1	0	0	23	1	0	24	0	0	0	0	0	0	0	0	34	0	0	34	59
8:45 PM	0	0	0	0	0	0	0	0	21	0	0	21	0	0	0	0	0	0	0	0	25	0	0	25	46
Hourly Total	0	0	0	1	0	1	0	0	89	2	0	91	0	0	0	0	0	0	0	2	121	0	0	123	215
9:00 PM	0	0	0	2	0	2	0	0	22	2	0	24	0	0	0	0	0	0	0	2	20	0	0	22	48
9:15 PM	0	0	0	1	0	1	0	0	11	2	0	13	0	0	0	0	0	0	0	2	30	0	0	32	46
9:30 PM	0	1	0	1	0	2	0	0	11	0	0	11	0	0	0	0	0	0	0	2	19	0	0	21	34
9:45 PM	0	1	0	0	0	1	0	0	12	0	0	12	0	0	0	0	0	0	0	0	14	0	0	14	27
Hourly Total	0	2	0	4	0	6	0	0	56	4	0	60	0	0	0	0	0	0	0	6	83	0	0	89	155
10:00 PM	0	0	0	0	0	0	0	0	16	0	0	16	0	0	0	0	0	0	0	0	15	0	0	15	31
10:15 PM	0	0	0	1	0	1	0	0	4	0	0	4	0	0	0	0	0	0	0	1	10	0	0	11	16
10:30 PM	0	1	0	1	0	2	0	0	12	0	0	12	0	0	0	0	0	0	0	1	16	0	0	17	31
10:45 PM	0	0	0	0	1	0	0	0	10	0	0	10	0	0	0	0	0	0	0	2	4	0	0	6	16
Hourly Total	0	1	0	2	1	3	0	0	42	0	0	42	0	0	0	0	0	0	0	4	45	0	0	49	94
11:00 PM	0	0	0	0	0	0	0	0	10	0	1	10	0	0	0	0	0	0	0	1	14	0	0	15	25
11:15 PM	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	0	0	0	0	0	7	0	0	7	14
11:30 PM	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	0	0	0	0	1	7	0	0	8	13
11:45 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	5	0	0	5	6
Hourly Total	0	0	0	0	0	0	0	0	23	0	1	23	0	0	0	0	0	0	0	2	33	0	0	35	58
DAILY TOTAL	0	45	0	137	4	182	0	0	3242	83	2	3325	0	0	0	0	0	0	9	146	3593	0	0	3748	7255
Cars	0	45	0	130	4	175	0	0	3067	76	2	3143	0	0	0	0	0	0	9	142	3408	0	0	3559	6877
Heavy Vehicles	0	0	0	7	0	7	0	0	175	7	0	182	0	0	0	0	0	0	0	4	185	0	0	189	378
Heavy Vehicle %	0.00%	0.00%	0.00%	5.11%	0.00%	3.85%	0.00%	0.00%	5.40%	8.43%	0.00%	5.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.74%	5.15%	0.00%	0.00%	5.04%	5.21%

TMC 2325 - CSAH 32 @ Baltimore St

0 0

Tuesday, March 21, 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	0	0	3	0	3	0	0	70	3	0	73	0	0	0	0	0	0	0	0	48	0	0	48	124				
7:30 AM	0	6	0	5	0	11	0	0	76	2	0	78	0	0	0	0	0	0	0	1	47	0	0	48	137				
7:45 AM	0	2	0	0	0	2	0	0	83	2	0	85	0	0	0	0	0	0	0	2	68	0	0	70	157				
8:00 AM	0	0	0	2	0	2	0	0	60	2	0	62	0	0	0	0	0	0	0	0	46	0	0	46	110				
Peak Hour Total PHF	0	8	0	10	0	18	0	0	289	9	0	298	0	0	0	0	0	0	0	3	209	0	0	212	528				
	0.000	0.333	0.000	0.500	0.000	0.409	0.000	0.000	0.870	0.750	0.000	0.876	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.375	0.768	0.000	0.000	0.757	0.841				

PM Peak Hour

Time	Southbound							Westbound							Northbound							Eastbound							VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total					
3:45 PM	0	0	0	3	0	3	0	0	63	1	0	64	0	0	0	0	0	0	1	3	86	0	0	90	157				
4:00 PM	0	2	0	4	0	6	0	0	66	5	0	71	0	0	0	0	0	0	0	4	104	0	0	108	185				
4:15 PM	0	1	0	2	0	3	0	0	65	0	0	65	0	0	0	0	0	0	1	4	86	0	0	91	159				
4:30 PM	0	2	0	6	1	8	0	0	66	1	0	67	0	0	0	0	0	0	0	9	98	0	0	107	182				
Peak Hour Total PHF	0	5	0	15	1	20	0	0	260	7	0	267	0	0	0	0	0	0	2	20	374	0	0	396	683				
	0.000	0.625	0.000	0.625	0.250	0.625	0.000	0.000	0.985	0.350	0.000	0.940	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.556	0.899	0.000	0.000	0.917	0.923				

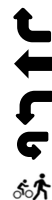
Total Vehicles On Leg				411		
Vehicles Entering Intersection			182	Vehicles Exiting Intersection		229
Southbound						
Cars	130	0	45	0	4	
Heavy	7	0	0	0	0	
Total	137	0	45	0	4	



Total Vehicles on Leg 7136	Vehicles Entering Intersection	Eastbound	Cars	Heavy	Total	
	3748		0	0	0	
			9	0	9	
			142	4	146	
			3408	185	3593	
Vehicles Exiting Intersection	3388	0	0	0		

Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 3325	Total Vehicles on Leg 6963
76	7	83			
3067	175	3242			
0	0	0			
0	0	0			
2	0	2	Vehicles Exiting Intersection 3638		



Cars	0	0	0	0	0
Heavy	0	0	0	0	0
Total	0	0	0	0	0
Northbound					
Vehicles Entering Intersection			0		
Vehicles Exiting Intersection			0		
Total Vehicles On Leg			0		

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 04/13/2023

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 32

Number of Lanes : 2+

Total Approach Volume: 3,748

Westbound: CSAH 32

Number of Lanes :2+

Total Approach Volume: 3,325

Minor Street Approaches

Southbound: Baltimore St.

Number of Lanes :1

Total Approach Volume: 182

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:

Study Date : 04/13/2023

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				Total	Minor NB	Minor SB	Met?
	Major EB	+	Major WB	=				
	CSAH 32						Baltimore St.	
15:45 - 16:45	396	+	267	=	663	0	20	No
16:00 - 17:00	394	+	265	=	659	0	20	No
15:30 - 16:30	377	+	262	=	639	0	16	No
15:15 - 16:15	378	+	260	=	638	0	18	No
16:15 - 17:15	385	+	248	=	633	0	18	No
15:00 - 16:00	362	+	252	=	614	0	16	No
16:30 - 17:30	358	+	246	=	604	0	18	No
14:45 - 15:45	346	+	251	=	597	0	18	No
14:30 - 15:30	318	+	262	=	580	0	16	No
16:45 - 17:45	326	+	238	=	564	0	12	No
14:15 - 15:15	293	+	268	=	561	0	13	No
17:00 - 18:00	299	+	232	=	531	0	13	No
07:15 - 08:15	212	+	298	=	510	0	18	No
14:00 - 15:00	241	+	266	=	507	0	10	No
07:00 - 08:00	209	+	294	=	503	0	16	No
13:45 - 14:45	245	+	253	=	498	0	6	No
12:00 - 13:00	270	+	202	=	472	0	13	No
11:15 - 12:15	263	+	208	=	471	0	6	No
17:15 - 18:15	257	+	214	=	471	0	11	No
07:30 - 08:30	205	+	265	=	470	0	17	No
11:45 - 12:45	263	+	198	=	461	0	8	No
13:30 - 14:30	230	+	228	=	458	0	9	No
07:45 - 08:45	215	+	243	=	458	0	6	No
11:30 - 12:30	263	+	189	=	452	0	9	No
12:15 - 13:15	247		202		449	0	16	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 04/13/2023

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	
15:45 - 16:45	396	+	267	=	663	0	20	No
16:00 - 17:00	394	+	265	=	659	0	20	No
15:30 - 16:30	377	+	262	=	639	0	16	No
15:15 - 16:15	378	+	260	=	638	0	18	No
16:15 - 17:15	385	+	248	=	633	0	18	No
15:00 - 16:00	362	+	252	=	614	0	16	No
16:30 - 17:30	358	+	246	=	604	0	18	No
14:45 - 15:45	346	+	251	=	597	0	18	No
14:30 - 15:30	318	+	262	=	580	0	16	No
16:45 - 17:45	326	+	238	=	564	0	12	No
14:15 - 15:15	293	+	268	=	561	0	13	No
17:00 - 18:00	299	+	232	=	531	0	13	No
07:15 - 08:15	212	+	298	=	510	0	18	No
14:00 - 15:00	241	+	266	=	507	0	10	No
07:00 - 08:00	209	+	294	=	503	0	16	No
13:45 - 14:45	245	+	253	=	498	0	6	No
12:00 - 13:00	270	+	202	=	472	0	13	No
11:15 - 12:15	263	+	208	=	471	0	6	No
17:15 - 18:15	257	+	214	=	471	0	11	No
07:30 - 08:30	205	+	265	=	470	0	17	No
11:45 - 12:45	263	+	198	=	461	0	8	No
13:30 - 14:30	230	+	228	=	458	0	9	No
07:45 - 08:45	215	+	243	=	458	0	6	No
11:30 - 12:30	263	+	189	=	452	0	9	No
12:15 - 13:15	247		202		449	0	16	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 04/13/2023

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 32

Minor Road Baltimore St.

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1A?
15:45 - 16:45	396	+	267	=	663	0	20	No
16:00 - 17:00	394	+	265	=	659	0	20	No
15:30 - 16:30	377	+	262	=	639	0	16	No
15:15 - 16:15	378	+	260	=	638	0	18	No
16:15 - 17:15	385	+	248	=	633	0	18	No
15:00 - 16:00	362	+	252	=	614	0	16	No
16:30 - 17:30	358	+	246	=	604	0	18	No
14:45 - 15:45	346	+	251	=	597	0	18	No
14:30 - 15:30	318	+	262	=	580	0	16	No
16:45 - 17:45	326	+	238	=	564	0	12	No
14:15 - 15:15	293	+	268	=	561	0	13	No
17:00 - 18:00	299		232		531	0	13	No

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
15:45 - 16:45	396	+	267	=	663	0	20	No
16:00 - 17:00	394	+	265	=	659	0	20	No
15:30 - 16:30	377	+	262	=	639	0	16	No
15:15 - 16:15	378	+	260	=	638	0	18	No
16:15 - 17:15	385	+	248	=	633	0	18	No
15:00 - 16:00	362	+	252	=	614	0	16	No
16:30 - 17:30	358	+	246	=	604	0	18	No
14:45 - 15:45	346	+	251	=	597	0	18	No
14:30 - 15:30	318	+	262	=	580	0	16	No
16:45 - 17:45	326	+	238	=	564	0	12	No
14:15 - 15:15	293	+	268	=	561	0	13	No
17:00 - 18:00	299		232		531	0	13	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 04/13/2023

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.

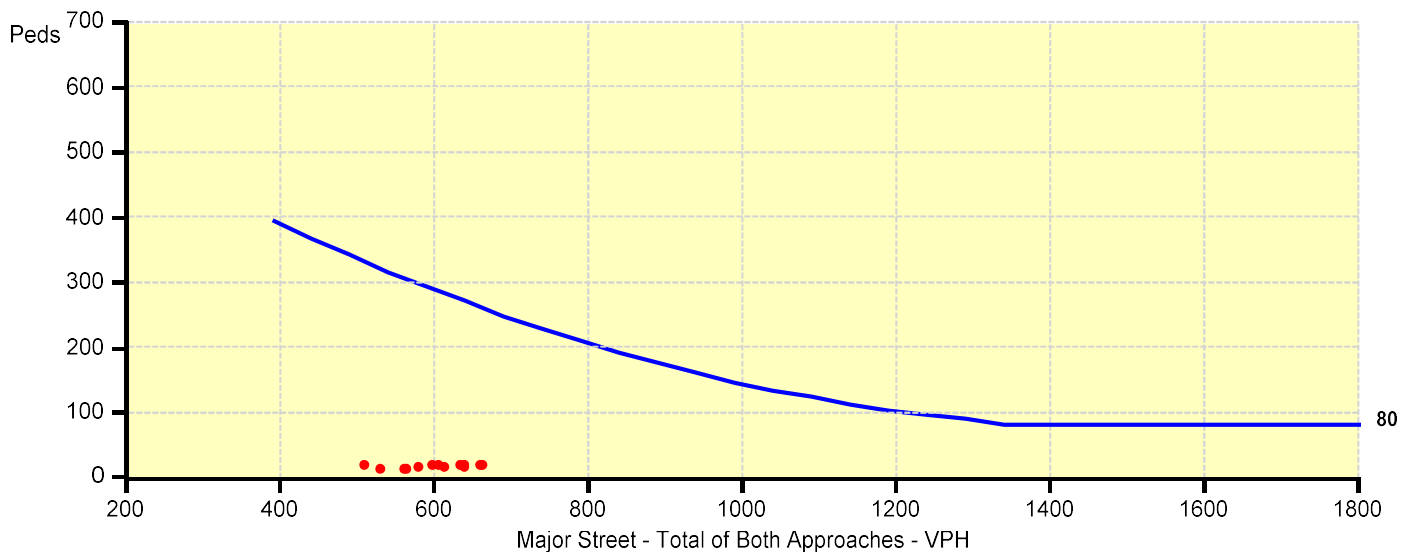
Summary

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 32				Total	Minor Road Baltimore St.		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:45 - 16:45	396	+	267	=	663	0	20	No
16:00 - 17:00	394	+	265	=	659	0	20	No
15:30 - 16:30	377	+	262	=	639	0	16	No
15:15 - 16:15	378	+	260	=	638	0	18	No
16:15 - 17:15	385	+	248	=	633	0	18	No
15:00 - 16:00	362	+	252	=	614	0	16	No
16:30 - 17:30	358	+	246	=	604	0	18	No
14:45 - 15:45	346	+	251	=	597	0	18	No
14:30 - 15:30	318	+	262	=	580	0	16	No
16:45 - 17:45	326	+	238	=	564	0	12	No
14:15 - 15:15	293	+	268	=	561	0	13	No
17:00 - 18:00	299		232		531	0	13	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 04/13/2023

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 32				Total	Minor Road Baltimore St.		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:45 - 16:45	396	+	267	=	663	0	20	No
16:00 - 17:00	394	+	265	=	659	0	20	No
15:30 - 16:30	377	+	262	=	639	0	16	No
15:15 - 16:15	378	+	260	=	638	0	18	No
16:15 - 17:15	385	+	248	=	633	0	18	No
15:00 - 16:00	362	+	252	=	614	0	16	No
16:30 - 17:30	358	+	246	=	604	0	18	No
14:45 - 15:45	346	+	251	=	597	0	18	No
14:30 - 15:30	318	+	262	=	580	0	16	No
16:45 - 17:45	326	+	238	=	564	0	12	No
14:15 - 15:15	293	+	268	=	561	0	13	No
17:00 - 18:00	299		232		531	0	13	No

