

Date : 05/31/23

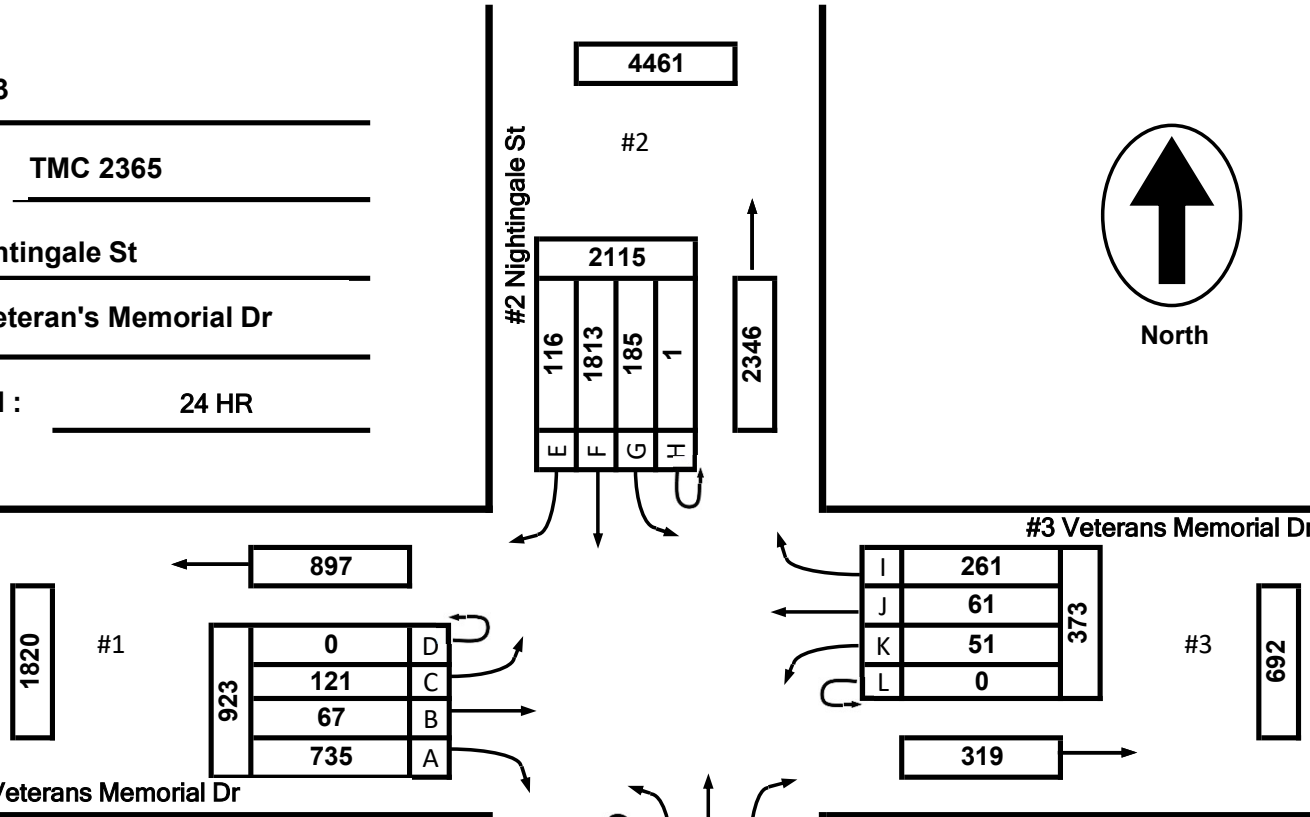
Count Number : TMC 2365

Location : Nightingale St
@ Veteran's Memorial Dr

Collection Period : 24 HR



North

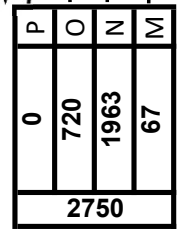


#1 Veterans Memorial Dr

#3 Veterans Memorial Dr

#4 Nightingale St

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



#4

Anoka County Highway Department

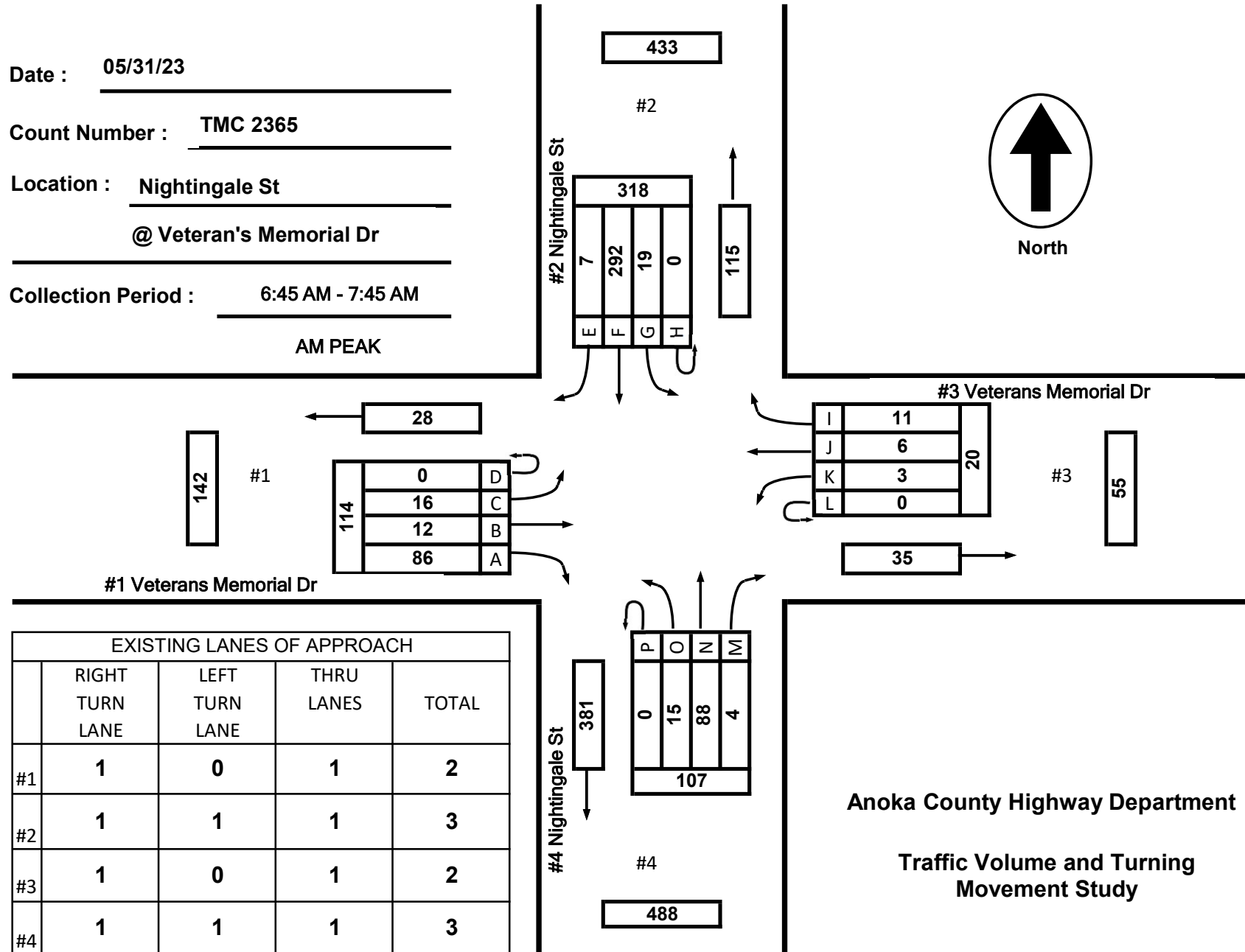
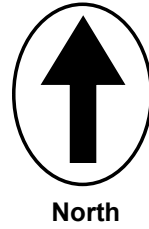
Traffic Volume and Turning Movement Study

Date : 05/31/23

Count Number : TMC 2365

Location : Nightingale St
@ Veteran's Memorial Dr

Collection Period : 6:45 AM - 7:45 AM
AM PEAK



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

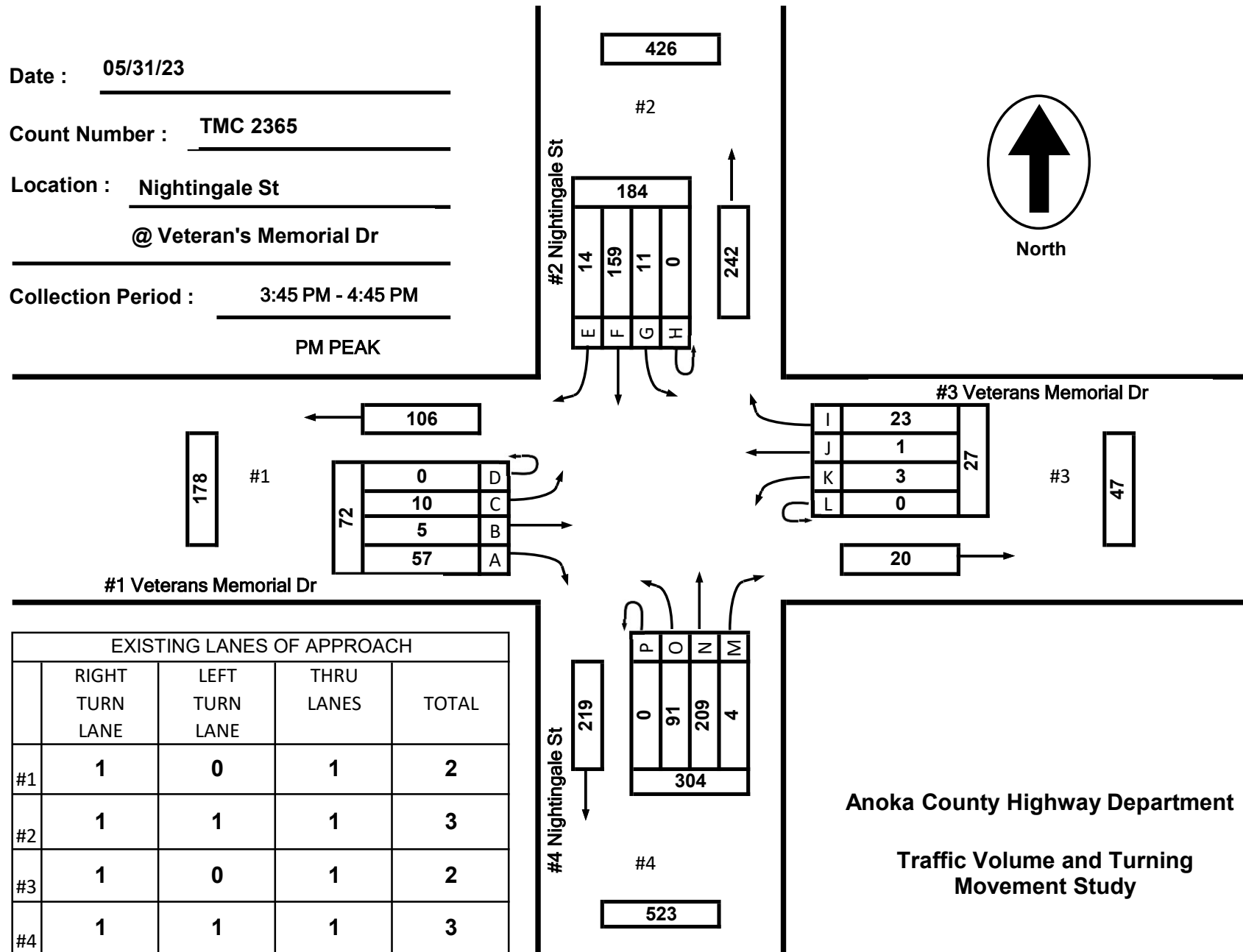
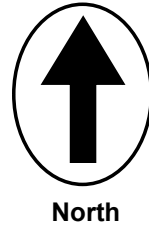
Anoka County Highway Department
Traffic Volume and Turning Movement Study

Date : 05/31/23

Count Number : TMC 2365

Location : Nightingale St
@ Veteran's Memorial Dr

Collection Period : 3:45 PM - 4:45 PM
PM PEAK



#1 Veterans Memorial Dr

0	D
10	C
5	B
57	A

#2 Nightingale St

14	159	11	0
E	F	G	H

#3 Veterans Memorial Dr

23	I
1	J
3	K
0	L

#4 Nightingale St

0	P
91	O
209	N
4	M

EXISTING LANES OF APPROACH

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

Anoka County Highway Department

Traffic Volume and Turning Movement Study

TMC 2365 - Nightingale St @ Veteran's Memorial Dr

0 0

Wednesday, May 31, 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	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	3
12:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3	0	0	0	0	0	3
12:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	1	2
12:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	2
Hourly Total	0	0	3	0	0	3	0	0	0	0	0	0	0	1	5	0	0	0	6	0	1	0	0	0	10
1:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1
1:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1
1:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1
1:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Hourly Total	0	0	1	0	0	1	0	0	0	0	0	0	0	2	1	0	0	0	3	0	0	0	0	0	4
2:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2:15 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2:30 AM	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
2:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	1	3
Hourly Total	0	0	3	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	0	1	5
3:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1
3:30 AM	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
3:45 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Hourly Total	0	0	3	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	4
4:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
4:15 AM	0	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	7
4:30 AM	0	1	9	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4	14
4:45 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1	7
Hourly Total	0	1	18	0	0	19	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	8	0	29
5:00 AM	0	3	7	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	5	0	8	18
5:15 AM	0	2	11	2	0	15	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	9	0	9	24
5:30 AM	0	1	14	0	0	15	0	0	0	0	0	0	0	0	4	0	0	0	4	0	2	7	0	9	28
5:45 AM	0	6	14	0	0	20	0	0	1	1	0	2	0	0	3	0	0	0	3	0	0	0	0	0	25
Hourly Total	0	12	46	2	0	60	0	0	1	1	2	2	0	0	7	0	0	0	7	0	1	4	21	0	95
6:00 AM	0	1	18	0	0	19	0	1	0	0	0	1	0	0	4	0	0	4	0	3	0	13	0	16	40
6:15 AM	0	2	15	0	0	17	0	0	1	6	0	7	0	2	3	0	2	5	0	1	0	12	0	13	42
6:30 AM	0	0	38	0	0	38	0	0	0	4	1	4	0	1	5	0	0	6	0	2	1	25	0	28	76
6:45 AM	0	3	46	2	0	51	0	1	2	3	0	6	0	1	19	1	0	21	0	4	2	17	0	23	101
Hourly Total	0	6	117	2	0	125	0	2	3	13	1	18	0	4	31	1	2	36	0	10	3	67	0	80	259
7:00 AM	0	4	92	2	0	98	0	1	1	2	1	4	0	3	21	0	2	24	0	3	3	18	0	24	150
7:15 AM	0	4	83	1	0	88	0	1	1	4	2	6	0	4	30	0	1	34	0	6	3	28	0	37	165
7:30 AM	0	8	71	2	0	81	0	0	2	2	0	4	0	7	18	3	0	28	0	3	4	23	0	30	143
7:45 AM	0	4	26	2	0	32	0	1	1	3	1	5	0	1	24	5	2	30	0	2	3	14	1	19	86
Hourly Total	0	20	272	7	0	299	0	3	5	11	4	19	0	15	93	8	5	116	0	14	13	83	1	110	544

TMC 2365 - Nightingale St @ Veteran's Memorial Dr

0 0

Wednesday, May 31, 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	8	32	1	0	41	0	0	2	4	4	6	0	4	27	4	2	35	0	2	3	19	0	24	0	0	2	16	0	18	106
8:15 AM	0	4	27	0	1	31	0	0	1	4	3	5	0	3	18	0	1	21	0	0	2	16	0	18	75						
8:30 AM	0	0	24	0	1	24	0	1	0	4	2	5	0	4	18	0	2	22	0	2	0	6	0	8	59						
8:45 AM	0	9	24	2	1	35	0	3	0	4	4	7	0	7	12	1	2	20	0	0	0	7	0	7	69						
Hourly Total	0	21	107	3	3	131	0	4	3	16	13	23	0	18	75	5	7	98	0	4	5	48	0	57	309						
9:00 AM	0	6	35	1	0	42	0	2	1	7	2	10	0	2	26	1	3	29	0	2	2	12	0	16	97						
9:15 AM	0	5	25	2	0	32	0	0	2	4	3	6	0	1	26	1	1	28	0	1	0	9	0	10	76						
9:30 AM	0	4	15	2	0	21	0	0	2	2	0	4	0	3	9	2	1	14	0	1	1	15	1	17	56						
9:45 AM	0	1	27	0	0	28	0	1	0	2	1	3	0	1	10	0	0	11	0	2	0	14	0	16	58						
Hourly Total	0	16	102	5	0	123	0	3	5	15	6	23	0	7	71	4	5	82	0	6	3	50	1	59	287						
10:00 AM	0	1	16	1	0	18	0	0	0	5	1	5	0	12	14	2	2	28	0	0	0	13	0	13	64						
10:15 AM	0	1	23	1	0	25	0	1	1	3	5	5	0	5	17	0	0	22	0	1	0	9	0	10	62						
10:30 AM	0	3	16	0	0	19	0	0	0	8	0	8	0	7	6	1	0	14	0	3	0	6	0	9	50						
10:45 AM	0	3	17	2	0	22	0	0	1	4	1	5	0	6	18	1	1	25	0	0	0	9	0	9	61						
Hourly Total	0	8	72	4	0	84	0	1	2	20	7	23	0	30	55	4	3	89	0	4	0	37	0	41	237						
11:00 AM	0	1	14	0	0	15	0	2	0	8	0	10	0	8	26	2	0	36	0	3	0	12	0	15	76						
11:15 AM	0	4	19	1	0	24	0	1	0	2	1	3	0	7	21	1	0	29	0	2	1	15	0	18	74						
11:30 AM	0	5	14	2	0	21	0	0	0	1	1	1	0	8	17	0	1	25	0	1	0	4	0	5	52						
11:45 AM	0	3	24	1	0	28	0	0	2	3	0	5	0	7	25	1	0	33	0	0	1	6	0	7	73						
Hourly Total	0	13	71	4	0	88	0	3	2	14	2	19	0	30	89	4	1	123	0	6	2	37	0	45	275						
12:00 PM	0	0	12	0	0	12	0	1	1	6	0	8	0	13	26	0	0	39	0	3	0	9	0	12	71						
12:15 PM	0	1	10	1	0	12	0	0	1	1	1	2	0	6	23	0	0	29	0	3	2	6	0	11	54						
12:30 PM	0	5	15	1	0	21	0	0	0	1	0	1	0	11	25	0	0	36	0	0	1	20	0	21	79						
12:45 PM	0	1	16	5	0	22	0	2	0	2	2	4	0	8	17	3	0	28	0	2	1	7	0	10	64						
Hourly Total	0	7	53	7	0	67	0	3	2	10	3	15	0	38	91	3	0	132	0	8	4	42	0	54	268						
1:00 PM	0	3	14	0	0	17	0	1	1	2	0	4	0	12	25	3	0	40	0	0	1	6	0	7	68						
1:15 PM	0	1	12	1	0	14	0	0	1	3	1	4	0	12	23	2	0	37	0	2	1	7	0	10	65						
1:30 PM	0	1	22	0	0	23	0	1	0	2	0	3	0	4	16	1	0	21	0	0	1	9	0	10	57						
1:45 PM	0	1	27	0	0	28	0	2	2	2	0	6	0	10	20	3	0	33	0	0	0	6	0	6	73						
Hourly Total	0	6	75	1	0	82	0	4	4	9	1	17	0	38	84	9	0	131	0	2	3	28	0	33	263						
2:00 PM	0	0	29	2	0	31	0	2	2	5	0	9	0	12	34	2	2	48	0	1	0	16	0	17	105						
2:15 PM	0	1	21	0	0	22	0	2	0	4	3	6	0	23	61	1	0	85	0	3	1	8	0	12	125						
2:30 PM	0	2	29	3	1	34	0	0	0	5	1	5	0	22	85	0	0	107	0	4	2	10	2	16	162						
2:45 PM	0	0	25	1	0	26	0	2	1	2	0	5	0	7	56	1	1	64	0	2	0	9	0	11	106						
Hourly Total	0	3	104	6	1	113	0	6	3	16	4	25	0	64	236	4	3	304	0	10	3	43	2	56	498						
3:00 PM	0	5	29	1	6	35	0	3	0	4	1	7	0	12	35	3	1	50	0	3	2	12	6	17	109						
3:15 PM	0	2	29	1	0	32	0	1	0	6	0	7	0	14	38	1	7	53	0	2	0	10	1	12	104						
3:30 PM	0	2	29	3	0	34	0	0	0	8	1	8	0	16	45	2	2	63	0	0	0	9	0	9	114						
3:45 PM	0	0	43	1	0	44	0	0	0	6	0	6	0	19	35	1	0	55	0	2	2	14	0	18	123						
Hourly Total	0	9	130	6	6	145	0	4	0	24	2	28	0	61	153	7	10	221	0	7	4	45	7	56	450						

TMC 2365 - Nightingale St @ Veteran's Memorial Dr
0 0
Wednesday, May 31, 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	4	34	5	0	43	0	2	0	4	0	6	0	29	58	2	1	89	0	0	0	14	0	14	152
4:15 PM	0	4	47	4	0	55	0	1	0	3	4	4	0	19	65	0	5	84	0	5	0	16	0	21	164
4:30 PM	0	3	35	4	1	42	0	0	1	10	1	11	0	24	51	1	1	76	0	3	3	13	1	19	148
4:45 PM	0	0	33	5	0	38	0	1	2	6	4	9	0	15	34	2	0	51	0	1	0	13	0	14	112
Hourly Total	0	11	149	18	1	178	0	4	3	23	9	30	0	87	208	5	7	300	0	9	3	56	1	68	576
5:00 PM	1	5	33	4	0	43	0	0	2	4	3	6	0	28	36	0	4	64	0	4	4	9	1	17	130
5:15 PM	0	1	37	4	0	42	0	1	1	3	0	5	0	19	55	0	0	74	0	3	1	11	0	15	136
5:30 PM	0	0	39	1	0	40	0	1	3	2	2	6	0	18	60	2	4	80	0	4	3	17	0	24	150
5:45 PM	0	5	48	0	0	53	0	0	2	3	1	5	0	21	47	1	2	69	0	2	1	15	0	18	145
Hourly Total	1	11	157	9	0	178	0	2	8	12	6	22	0	86	198	3	10	287	0	13	9	52	1	74	561
6:00 PM	0	3	34	1	0	38	0	1	1	6	2	8	0	22	45	0	0	67	0	1	0	9	0	10	123
6:15 PM	0	5	31	3	0	39	0	0	1	5	4	6	0	13	50	0	1	63	0	1	1	11	0	13	121
6:30 PM	0	10	31	1	0	42	0	0	2	8	4	10	0	14	35	0	0	49	0	5	1	10	0	16	117
6:45 PM	0	4	29	4	0	37	0	1	3	3	6	7	0	11	38	1	2	50	0	7	1	7	0	15	109
Hourly Total	0	22	125	9	0	156	0	2	7	22	16	31	0	60	168	1	3	229	0	14	3	37	0	54	470
7:00 PM	0	4	30	3	0	37	0	0	0	6	1	6	0	16	49	1	1	66	0	2	3	13	0	18	127
7:15 PM	0	4	25	3	0	32	0	3	2	3	5	8	0	10	36	3	2	49	0	1	2	10	0	13	102
7:30 PM	0	4	15	1	0	20	0	3	4	10	2	17	0	21	23	2	0	46	0	0	0	7	0	7	90
7:45 PM	0	0	11	2	1	13	0	0	0	6	2	6	0	9	26	2	0	37	0	3	0	11	0	14	70
Hourly Total	0	12	81	9	1	102	0	6	6	25	10	37	0	56	134	8	3	198	0	6	5	41	0	52	389
8:00 PM	0	2	15	5	0	22	0	0	1	5	6	6	0	15	31	1	3	47	0	0	1	4	0	5	80
8:15 PM	0	1	19	4	0	24	0	1	1	7	0	9	0	13	22	0	0	35	0	0	1	3	0	4	72
8:30 PM	0	0	20	2	0	22	0	0	0	0	3	0	0	18	31	0	6	49	0	2	0	5	2	7	78
8:45 PM	0	1	14	1	1	16	0	1	2	5	0	8	0	13	34	0	0	47	0	0	0	7	1	7	78
Hourly Total	0	4	68	12	1	84	0	2	4	17	9	23	0	59	118	1	9	178	0	2	2	19	3	23	308
9:00 PM	0	1	6	5	0	12	0	2	0	1	0	3	0	9	19	0	1	28	0	3	0	6	0	9	52
9:15 PM	0	0	7	2	0	9	0	0	1	1	0	2	0	12	28	0	0	40	0	0	0	4	0	4	55
9:30 PM	0	2	1	0	0	3	0	0	0	2	0	2	0	10	33	0	0	43	0	0	0	1	0	1	49
9:45 PM	0	0	15	2	0	17	0	0	1	8	1	9	0	5	9	0	0	14	0	0	0	2	0	2	42
Hourly Total	0	3	29	9	0	41	0	2	2	12	1	16	0	36	89	0	1	125	0	3	0	13	0	16	198
10:00 PM	0	0	6	0	0	6	0	0	0	0	0	0	0	10	12	0	0	22	0	0	0	2	0	2	30
10:15 PM	0	0	5	3	0	8	0	0	0	0	0	0	0	4	18	0	0	22	0	1	0	2	0	3	33
10:30 PM	0	0	6	0	0	6	0	0	0	0	0	0	0	4	6	0	0	10	0	0	0	1	0	1	17
10:45 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	2	6	0	0	8	0	0	0	0	0	0	11
Hourly Total	0	0	20	3	0	23	0	0	0	0	0	0	0	20	42	0	0	62	0	1	0	5	0	6	91
11:00 PM	0	0	1	0	0	1	0	0	1	1	0	2	0	2	7	0	0	9	0	0	0	0	0	0	12
11:15 PM	0	0	2	0	0	2	0	0	0	0	0	0	0	3	4	0	0	7	0	0	0	1	0	1	10
11:30 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	1	2	0	0	3	0	0	0	1	0	1	5
11:45 PM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4
Hourly Total	0	0	7	0	0	7	0	0	1	1	0	2	0	6	14	0	0	20	0	0	0	2	0	2	31
DAILY TOTAL	1	185	1813	116	13	2115	0	51	61	261	96	373	0	720	1963	67	69	2750	0	121	67	735	16	923	6161
Cars	1	175	1787	111	5	2074	0	50	61	247	62	358	0	715	1912	65	41	2692	0	117	65	726	5	908	6032
Heavy Vehicles	0	10	26	5	8	41	0	1	0	14	34	15	0	5	51	2	28	58	0	4	2	9	11	15	129
Heavy Vehicle %	0.00%	5.41%	1.43%	4.31%	61.54%	1.94%	0.00%	1.96%	0.00%	5.36%	35.42%	4.02%	0.00%	0.69%	2.60%	2.99%	40.58%	2.11%	0.00%	3.31%	2.99%	1.22%	68.75%	1.63%	2.09%

TMC 2365 - Nightingale St @ Veteran's Memorial Dr

0 0

Wednesday, May 31, 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	
6:45 AM	0	3	46	2	0	51	0	1	2	3	0	6	0	1	19	1	0	21	0	4	2	17	0	23	101
7:00 AM	0	4	92	2	0	98	0	1	1	2	1	4	0	3	21	0	2	24	0	3	3	18	0	24	150
7:15 AM	0	4	83	1	0	88	0	1	1	4	2	6	0	4	30	0	1	34	0	6	3	28	0	37	165
7:30 AM	0	8	71	2	0	81	0	0	2	2	0	4	0	7	18	3	0	28	0	3	4	23	0	30	143
Peak Hour Total	0	19	292	7	0	318	0	3	6	11	3	20	0	15	88	4	3	107	0	16	12	86	0	114	559
PHF	0.000	0.594	0.793	0.875	0.000	0.811	0.000	0.750	0.750	0.688	0.375	0.833	0.000	0.536	0.733	0.333	0.375	0.787	0.000	0.667	0.750	0.768	0.000	0.770	0.847

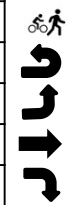
PM Peak Hour

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	43	1	0	44	0	0	0	6	0	6	0	19	35	1	0	55	0	2	2	14	0	18	123
4:00 PM	0	4	34	5	0	43	0	2	0	4	0	6	0	29	58	2	1	89	0	0	0	14	0	14	152
4:15 PM	0	4	47	4	0	55	0	1	0	3	4	4	0	19	65	0	5	84	0	5	0	16	0	21	164
4:30 PM	0	3	35	4	1	42	0	0	1	10	1	11	0	24	51	1	1	76	0	3	3	13	1	19	148
Peak Hour Total	0	11	159	14	1	184	0	3	1	23	5	27	0	91	209	4	7	304	0	10	5	57	1	72	587
PHF	0.000	0.688	0.846	0.700	0.250	0.836	0.000	0.375	0.250	0.575	0.313	0.614	0.000	0.784	0.804	0.500	0.350	0.854	0.000	0.500	0.417	0.891	0.250	0.857	0.895

Total Vehicles On Leg				4461	
Vehicles Entering Intersection		2115	Vehicles Exiting Intersection		2346
Southbound					
Cars	111	1787	175	1	5
Heavy	5	26	10	0	8
Total	116	1813	185	1	13

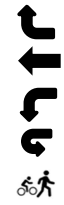


Total Vehicles on Leg 1820	Vehicles Entering Intersection	Eastbound	Cars	Heavy	Total
	923		5	11	16
			0	0	0
	Vehicles Exiting Intersection		117	4	121
	897		65	2	67
		726	9	735	



Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection	Total Vehicles on Leg 692
247	14	261		373	
61	0	61			
50	1	51		Vehicles Exiting Intersection	
0	0	0		319	
62	34	96			



Cars	41	0	715	1912	65
Heavy	28	0	5	51	2
Total	69	0	720	1963	67
Northbound					
Vehicles Entering Intersection			Vehicles Exiting Intersection		
2750			2599		
Total Vehicles On Leg			5349		



ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2365

Study Date : 06/26/2023

Signal Warrants - Summary

Major Street Approaches

Northbound: Nightingale St

Number of Lanes : 1

Total Approach Volume: 2,750

Southbound: Nightingale St

Number of Lanes : 1

Total Approach Volume: 2,115

Minor Street Approaches

Eastbound: Veterans Memorial Dr

Number of Lanes : 1

Total Approach Volume: 923

Westbound: Veterans Memorial Dr

Number of Lanes : 1

Total Approach Volume: 373

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 1 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 2 hours, 8 are needed

Required 1B volumes reached for 5 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 2365

Study Date : 06/26/2023

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 1 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 NB	+	Major SB	=		Minor EB	Minor WB	
	Nightingale St					Veterans Memorial Dr		
06:30 - 07:30	85	+	275	=	360	112	20	Yes
15:45 - 16:45	304	+	184	=	488	72	27	No
16:00 - 17:00	300	+	178	=	478	68	30	No
15:30 - 16:30	291	+	176	=	467	62	24	No
17:00 - 18:00	287	+	178	=	465	74	22	No
17:15 - 18:15	290	+	173	=	463	67	24	No
16:15 - 17:15	275	+	178	=	453	71	30	No
17:30 - 18:30	279	+	170	=	449	65	25	No
16:45 - 17:45	269	+	163	=	432	70	26	No
16:30 - 17:30	265	+	165	=	430	65	31	No
14:15 - 15:15	306	+	117	=	423	56	23	No
17:45 - 18:45	248	+	172	=	420	57	29	No
14:00 - 15:00	304	+	113	=	417	56	25	No
15:15 - 16:15	260	+	153	=	413	53	27	No
14:30 - 15:30	274	+	127	=	401	56	24	No
13:45 - 14:45	273	+	115	=	388	51	26	No
18:00 - 19:00	229	+	156	=	385	54	31	No
18:15 - 19:15	228	+	155	=	383	62	29	No
15:00 - 16:00	221	+	145	=	366	56	28	No
18:30 - 19:30	214	+	148	=	362	62	31	No
14:45 - 15:45	230	+	127	=	357	49	27	No
18:45 - 19:45	211	+	126	=	337	53	38	No
19:00 - 20:00	198	+	102	=	300	52	37	No
07:30 - 08:30	114	+	185	=	299	91	20	No
13:30 - 14:30	187		104		291	45	24	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2365

Study Date : 06/26/2023

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 = **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 NB	+	Major SB	=		Minor EB	Minor WB	
15:45 - 16:45	304	+	184	=	488	72	27	No
16:00 - 17:00	300	+	178	=	478	68	30	No
15:30 - 16:30	291	+	176	=	467	62	24	No
17:00 - 18:00	287	+	178	=	465	74	22	No
17:15 - 18:15	290	+	173	=	463	67	24	No
16:15 - 17:15	275	+	178	=	453	71	30	No
17:30 - 18:30	279	+	170	=	449	65	25	No
16:45 - 17:45	269	+	163	=	432	70	26	No
16:30 - 17:30	265	+	165	=	430	65	31	No
06:45 - 07:45	107	+	318	=	425	114	20	No
14:15 - 15:15	306	+	117	=	423	56	23	No
17:45 - 18:45	248	+	172	=	420	57	29	No
14:00 - 15:00	304	+	113	=	417	56	25	No
07:00 - 08:00	116	+	299	=	415	110	19	No
15:15 - 16:15	260	+	153	=	413	53	27	No
14:30 - 15:30	274	+	127	=	401	56	24	No
13:45 - 14:45	273	+	115	=	388	51	26	No
18:00 - 19:00	229	+	156	=	385	54	31	No
18:15 - 19:15	228	+	155	=	383	62	29	No
07:15 - 08:15	127	+	242	=	369	110	21	No
15:00 - 16:00	221	+	145	=	366	56	28	No
18:30 - 19:30	214	+	148	=	362	62	31	No
06:30 - 07:30	85	+	275	=	360	112	20	No
14:45 - 15:45	230	+	127	=	357	49	27	No
18:45 - 19:45	211		126		337	53	38	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2365

Study Date : 06/26/2023

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 2 hours meet 1A minimums.
Only 5 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 Nightingale St

Minor Road Veterans Memorial Dr

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
06:30 - 07:30	85	+	275	=	360	112	20	Yes
07:30 - 08:30	114	+	185	=	299	91	20	Yes
15:45 - 16:45	304	+	184	=	488	72	27	No
16:00 - 17:00	300	+	178	=	478	68	30	No
15:30 - 16:30	291	+	176	=	467	62	24	No
17:00 - 18:00	287	+	178	=	465	74	22	No
17:15 - 18:15	290	+	173	=	463	67	24	No
16:15 - 17:15	275	+	178	=	453	71	30	No
17:30 - 18:30	279	+	170	=	449	65	25	No
16:45 - 17:45	269	+	163	=	432	70	26	No
16:30 - 17:30	265	+	165	=	430	65	31	No
14:15 - 15:15	306	+	117	=	423	56	23	No

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
15:30 - 16:30	291	+	176	=	467	62	24	Yes
17:30 - 18:30	279	+	170	=	449	65	25	Yes
16:30 - 17:30	265	+	165	=	430	65	31	Yes
06:45 - 07:45	107	+	318	=	425	114	20	Yes
14:15 - 15:15	306	+	117	=	423	56	23	Yes
14:00 - 15:00	304	+	113	=	417	56	25	No
15:15 - 16:15	260	+	153	=	413	53	27	No
13:45 - 14:45	273	+	115	=	388	51	26	No
18:30 - 19:30	214	+	148	=	362	62	31	No
06:30 - 07:30	85	+	275	=	360	112	20	No
18:45 - 19:45	211	+	126	=	337	53	38	No
19:00 - 20:00	198	+	102	=	300	52	37	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2365

Study Date : 06/26/2023

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.

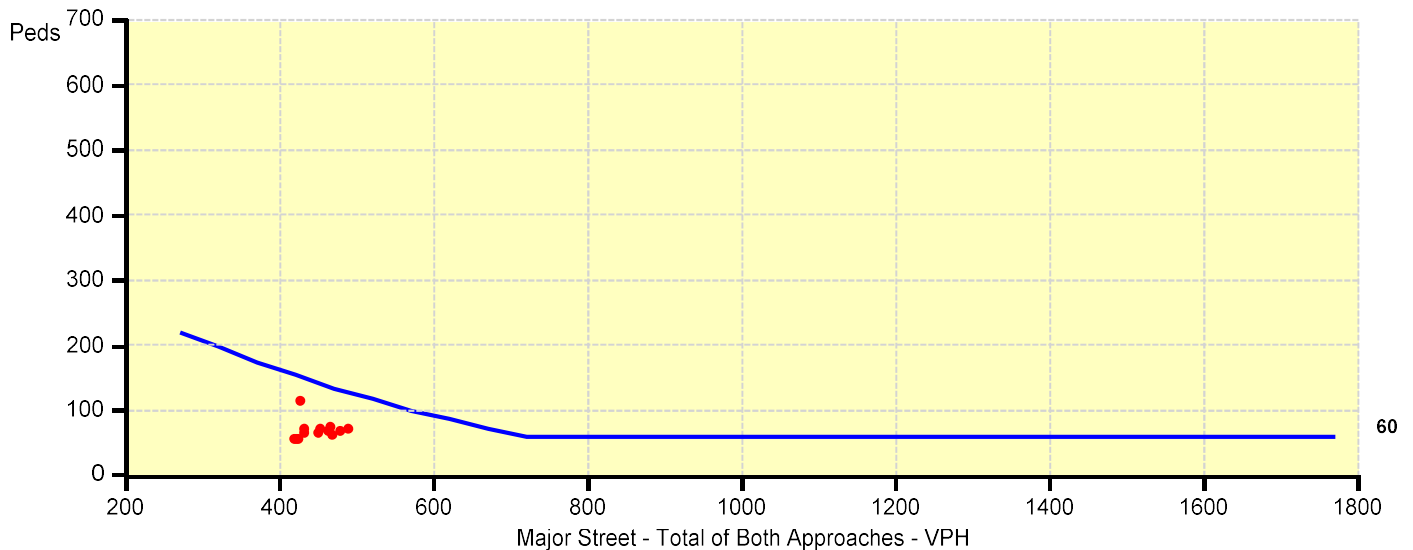
Summary

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

Site Data Required

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

Time	Major Road Nightingale St				Total	Minor Road Veterans Memorial Dr		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
15:45 - 16:45	304	+	184	=	488	72	27	No
16:00 - 17:00	300	+	178	=	478	68	30	No
15:30 - 16:30	291	+	176	=	467	62	24	No
17:00 - 18:00	287	+	178	=	465	74	22	No
17:15 - 18:15	290	+	173	=	463	67	24	No
16:15 - 17:15	275	+	178	=	453	71	30	No
17:30 - 18:30	279	+	170	=	449	65	25	No
16:45 - 17:45	269	+	163	=	432	70	26	No
16:30 - 17:30	265	+	165	=	430	65	31	No
06:45 - 07:45	107	+	318	=	425	114	20	No
14:15 - 15:15	306	+	117	=	423	56	23	No
17:45 - 18:45	248		172		420	57	29	No



ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2365

Study Date : 06/26/2023

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 = **1**
 Number of Minor Lanes = **1**

Time	Major Road Nightingale St				Total	Minor Road Veterans Memorial Dr		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
15:45 - 16:45	304	+	184	=	488	72	27	No
16:00 - 17:00	300	+	178	=	478	68	30	No
15:30 - 16:30	291	+	176	=	467	62	24	No
17:00 - 18:00	287	+	178	=	465	74	22	No
17:15 - 18:15	290	+	173	=	463	67	24	No
16:15 - 17:15	275	+	178	=	453	71	30	No
17:30 - 18:30	279	+	170	=	449	65	25	No
16:45 - 17:45	269	+	163	=	432	70	26	No
16:30 - 17:30	265	+	165	=	430	65	31	No
06:45 - 07:45	107	+	318	=	425	114	20	No
14:15 - 15:15	306	+	117	=	423	56	23	No
17:45 - 18:45	248		172		420	57	29	No

