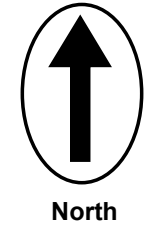


Date: 06/04/24

Count Number: TMC 2456

Location: CSAH 18
@ 115th Ave

Collection Period: 24 HR



North

8281

#2

4216			
677	3455	84	0
E	F	G	H

4065

CSAH 18

Gas Station

I	71	138
J	16	
K	51	
L	0	

#3

418

280

1795

#1

898	0	D
	593	C
	46	B
	259	A

115th Ave

P	O	N	M
2	204	3401	150
3757			

#4

7524

3767

CSAH 18

Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

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

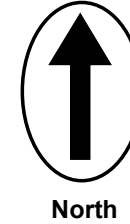
Date: 06/04/24

Count Number: TMC 2456

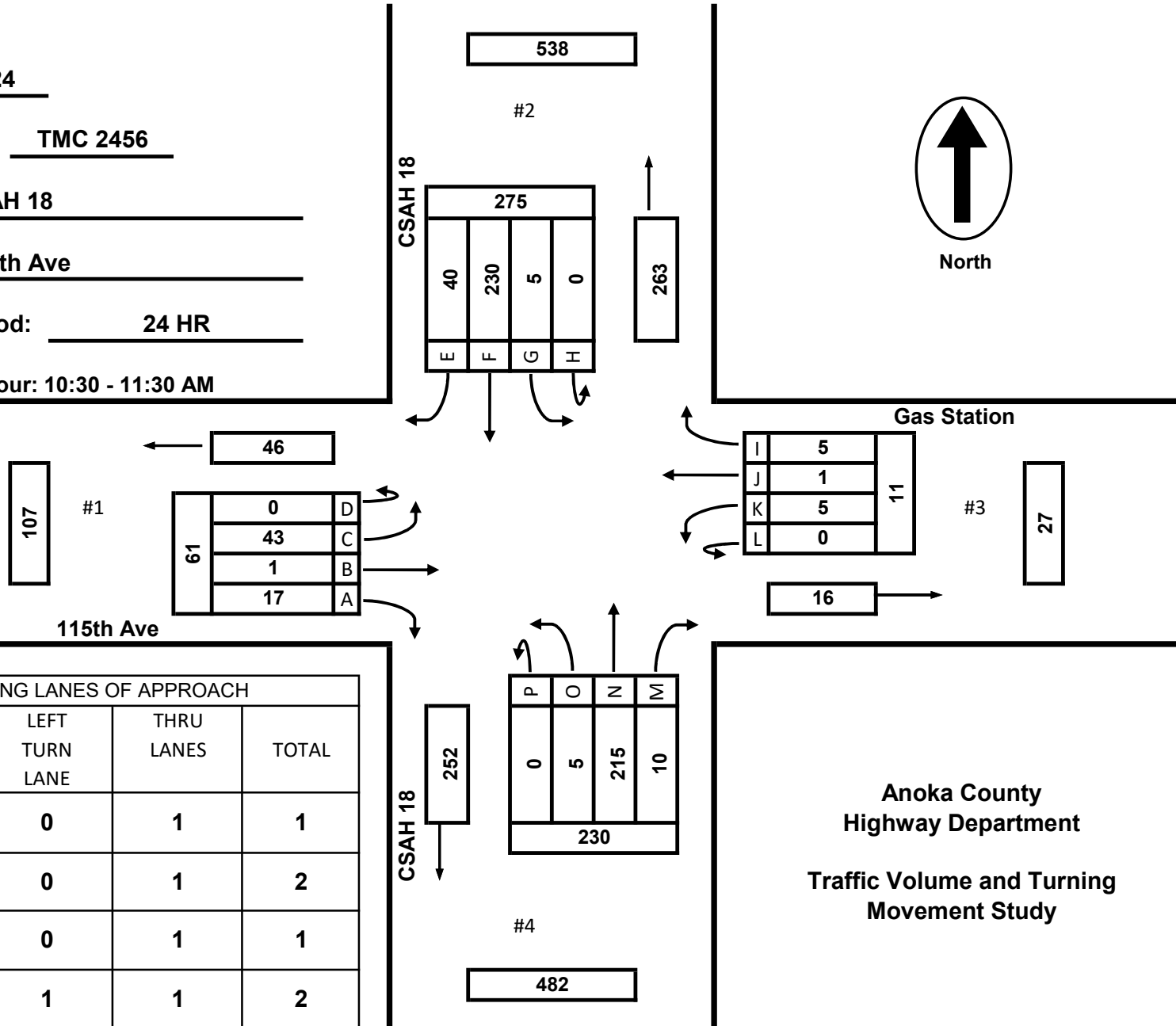
Location: CSAH 18
@ 115th Ave

Collection Period: 24 HR

Peak Hour: 10:30 - 11:30 AM



Gas Station



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

Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

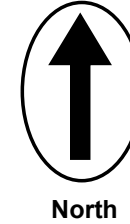
Date: 06/04/24

Count Number: TMC 2456

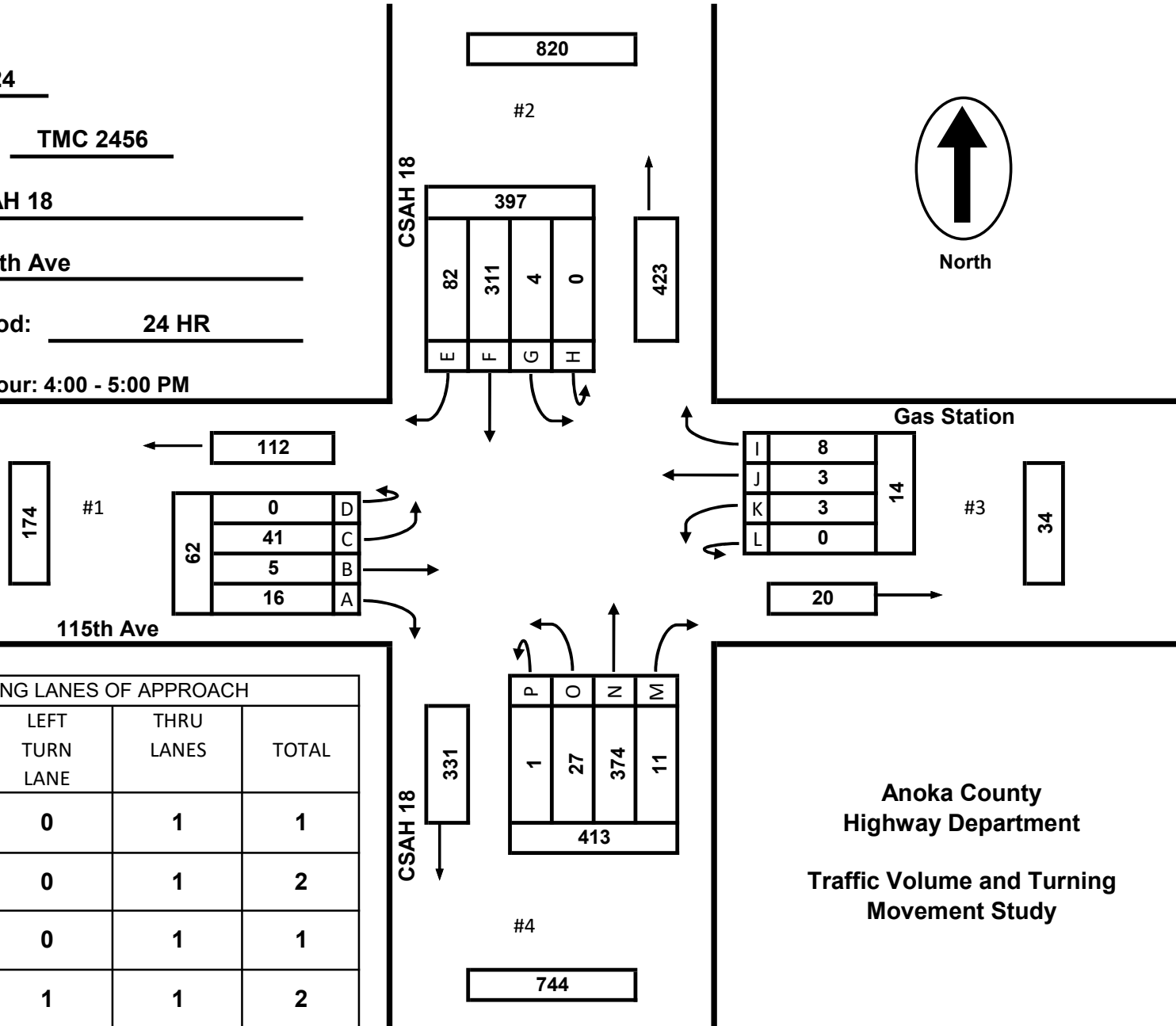
Location: CSAH 18
@ 115th Ave

Collection Period: 24 HR

Peak Hour: 4:00 - 5:00 PM



Gas Station



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

Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

**TMC 2456 - CSAH 18 @ 115th Ave
Coon Rapids MN
Tuesday, June 4, 2024**

Time	Southbound CSAH 18						Westbound Gas Station						Northbound CSAH 18						Eastbound 115th Ave						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	1	7	4	0	12	0	0	0	0	0	0	0	1	1	1	0	3	0	0	0	1	0	1	0	0	0	0	0	0	16
12:15 AM	0	0	1	2	0	3	0	0	0	0	0	0	0	1	4	0	0	5	0	2	0	0	0	2	0	0	0	0	0	2	10
12:30 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	1	0	0	0	0	0	1	7
12:45 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	1	0	1	0	0	0	0	0	1	5
Hourly Total	0	1	14	6	0	21	0	0	0	0	0	0	0	2	9	1	0	12	0	3	0	2	0	5	0	0	0	0	0	5	38
1:00 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	6
1:15 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	3	0	0	0	3	0	0	0	0	0	3	7
1:30 AM	0	0	1	1	0	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
1:45 AM	0	0	2	1	0	3	0	0	0	1	0	1	0	1	1	0	0	2	0	1	0	0	0	1	0	0	0	0	0	1	7
Hourly Total	0	0	8	2	0	10	0	0	0	1	0	1	0	3	5	0	0	8	0	4	0	0	0	4	0	0	0	0	0	4	23
2:00 AM	0	0	2	1	0	3	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
2:15 AM	0	0	0	2	0	2	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4
2:30 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	1	4
2:45 AM	0	0	1	3	0	4	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	6
Hourly Total	0	0	5	6	0	11	0	0	0	0	0	0	0	0	5	0	0	5	0	0	0	1	0	1	0	0	0	0	0	1	17
3:00 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	0	0	0	1	4
3:15 AM	0	0	0	1	0	1	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
3:30 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	2	0	2	0	0	0	2	0	2	10
3:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4	0	0	0	2	0	2	0	0	0	2	0	2	6
Hourly Total	0	0	8	1	0	9	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	5	0	5	0	0	0	5	0	5	21
4:00 AM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	1	0	4	0	0	0	3	0	3	0	0	0	3	0	3	8
4:15 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	0	6	0	0	6	0	1	0	2	0	3	0	0	0	2	0	3	15
4:30 AM	0	0	5	0	0	5	0	0	0	0	0	0	0	1	5	0	0	6	0	5	0	1	0	6	0	0	0	1	0	6	17
4:45 AM	0	0	2	0	0	2	0	0	0	0	0	0	0	1	13	0	0	14	0	2	0	0	0	2	0	0	0	0	0	2	18
Hourly Total	0	0	14	0	0	14	0	0	0	0	0	0	0	2	27	1	0	30	0	8	0	6	0	14	0	0	0	6	0	14	58
5:00 AM	0	0	3	0	0	3	0	0	0	0	0	0	0	0	4	0	0	4	0	5	0	2	0	7	0	0	0	2	0	7	14
5:15 AM	0	0	5	3	0	8	0	0	0	0	0	0	0	0	9	0	0	9	0	3	0	4	0	7	0	0	0	4	0	7	24
5:30 AM	0	0	11	2	0	13	0	0	0	2	0	2	0	0	19	0	0	19	0	7	0	7	0	14	0	0	0	7	0	14	48
5:45 AM	0	0	9	1	0	10	0	0	0	0	0	0	0	0	7	1	0	8	0	3	0	1	0	4	0	0	0	1	0	4	22
Hourly Total	0	0	28	6	0	34	0	0	0	2	0	2	0	0	39	1	0	40	0	18	0	14	0	32	0	0	0	14	0	32	108
6:00 AM	0	0	17	0	0	17	0	0	0	0	0	0	0	1	7	0	0	8	0	8	0	0	0	8	0	0	0	0	0	8	33
6:15 AM	0	0	21	1	0	22	0	1	0	0	1	1	0	2	15	1	0	18	0	3	0	5	0	8	0	0	0	5	0	8	49
6:30 AM	0	2	26	2	0	30	0	1	0	0	1	1	0	0	38	3	1	41	0	10	1	4	0	15	0	0	0	4	0	15	87
6:45 AM	0	1	31	3	0	35	0	0	0	2	0	2	0	0	23	3	3	26	0	10	0	3	0	13	0	0	0	3	0	13	76
Hourly Total	0	3	95	6	0	104	0	2	0	2	2	4	0	3	83	7	4	93	0	31	1	12	0	44	0	0	0	12	0	44	245
7:00 AM	0	2	42	1	0	45	0	0	0	0	0	0	0	0	33	3	0	36	0	18	3	8	0	29	0	0	0	8	0	29	110
7:15 AM	0	0	41	6	0	47	0	1	0	1	0	2	0	2	40	2	1	44	0	20	1	8	0	29	0	0	0	8	0	29	122
7:30 AM	0	1	39	4	0	44	0	0	0	1	0	1	0	2	47	1	0	50	0	17	1	6	0	24	0	0	0	6	0	24	119
7:45 AM	0	0	37	5	0	42	0	0	0	0	2	0	0	0	47	1	1	48	0	21	0	4	2	25	0	0	0	4	2	25	115
Hourly Total	0	3	159	16	0	178	0	1	0	2	2	3	0	4	167	7	2	178	0	76	5	26	2	107	0	0	0	26	2	107	466

**TMC 2456 - CSAH 18 @ 115th Ave
Coon Rapids MN
Tuesday, June 4, 2024**

Time	Southbound CSAH 18						Westbound Gas Station						Northbound CSAH 18						Eastbound 115th Ave						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	3	25	4	0	32	0	1	0	1	0	2	0	0	37	0	3	37	0	6	3	7	0	16	87
8:15 AM	0	0	58	10	0	68	0	1	0	1	1	2	0	0	54	5	1	59	0	11	0	5	1	16	145
8:30 AM	0	0	41	3	0	44	0	0	0	0	1	0	0	1	26	2	0	29	0	14	1	6	0	21	94
8:45 AM	0	5	58	3	0	66	0	0	0	2	0	2	0	2	35	3	0	40	0	4	0	3	0	7	115
Hourly Total	0	8	182	20	0	210	0	2	0	4	2	6	0	3	152	10	4	165	0	35	4	21	1	60	441
9:00 AM	0	3	33	3	0	39	0	0	1	0	2	1	0	4	41	3	2	48	0	11	1	9	0	21	109
9:15 AM	0	0	50	7	0	57	0	1	0	2	1	3	0	5	53	1	1	59	0	7	0	13	0	20	139
9:30 AM	0	1	39	7	0	47	0	3	1	1	0	5	0	4	44	5	0	53	0	5	2	3	0	10	115
9:45 AM	0	2	49	14	0	65	0	2	0	1	0	3	0	2	45	3	1	50	0	11	2	1	0	14	132
Hourly Total	0	6	171	31	0	208	0	6	2	4	3	12	0	15	183	12	4	210	0	34	5	26	0	65	495
10:00 AM	0	3	52	9	0	64	0	2	0	2	0	4	0	2	49	2	0	53	0	6	1	3	0	10	131
10:15 AM	0	3	54	5	0	62	0	0	1	2	4	3	0	0	46	0	2	46	0	11	0	2	0	13	124
10:30 AM	0	2	61	9	0	72	0	2	0	1	3	3	0	0	59	5	3	64	0	8	0	3	2	11	150
10:45 AM	0	1	59	12	0	72	0	1	0	2	0	3	0	2	64	2	2	68	0	10	0	1	0	11	154
Hourly Total	0	9	226	35	0	270	0	5	1	7	7	13	0	4	218	9	7	231	0	35	1	9	2	45	559
11:00 AM	0	1	53	8	0	62	0	0	0	1	5	1	0	2	55	2	0	59	0	15	0	7	0	22	144
11:15 AM	0	1	57	11	0	69	0	2	1	1	0	4	0	1	37	1	0	39	0	10	1	6	0	17	129
11:30 AM	0	2	54	5	0	61	0	0	0	1	1	1	0	2	53	2	2	57	0	6	0	0	1	6	125
11:45 AM	0	3	45	6	0	54	0	0	1	1	0	2	0	2	68	4	0	74	0	9	1	1	0	11	141
Hourly Total	0	7	209	30	0	246	0	2	2	4	6	8	0	7	213	9	2	229	0	40	2	14	1	56	539
12:00 PM	0	1	63	13	0	77	0	1	0	1	0	2	0	2	68	2	0	72	0	3	0	1	0	4	155
12:15 PM	0	2	56	9	0	67	0	0	0	1	0	1	0	3	61	3	0	67	0	9	1	0	0	10	145
12:30 PM	0	0	57	8	0	65	0	0	1	0	0	1	0	1	57	3	0	61	0	9	0	4	0	13	140
12:45 PM	0	0	45	6	0	51	0	3	1	2	0	6	0	3	63	0	0	66	0	10	0	3	0	13	136
Hourly Total	0	3	221	36	0	260	0	4	2	4	0	10	0	9	249	8	0	266	0	31	1	8	0	40	576
1:00 PM	0	1	65	13	0	79	0	3	0	1	0	4	0	5	60	0	1	65	0	7	0	6	0	13	161
1:15 PM	0	2	51	9	0	62	0	0	0	3	0	3	0	1	64	2	1	67	0	4	2	1	1	7	139
1:30 PM	0	4	74	7	0	85	0	1	0	1	0	2	0	1	55	3	0	59	0	17	1	5	0	23	169
1:45 PM	0	2	72	8	0	82	0	1	0	1	0	2	0	3	51	0	3	54	0	3	0	2	0	5	143
Hourly Total	0	9	262	37	0	308	0	5	0	6	0	11	0	10	230	5	5	245	0	31	3	14	1	48	612
2:00 PM	0	2	55	7	0	64	0	0	0	1	0	1	0	4	57	3	0	64	0	6	1	2	1	9	138
2:15 PM	0	1	48	14	0	63	0	2	0	1	0	3	0	5	50	1	2	56	0	10	0	1	0	11	133
2:30 PM	0	3	65	19	0	87	0	1	0	0	0	1	0	2	50	1	3	53	0	13	0	5	0	18	159
2:45 PM	0	1	65	16	0	82	0	0	2	2	0	4	0	4	70	4	0	78	0	5	0	3	0	8	172
Hourly Total	0	7	233	56	0	296	0	3	2	4	0	9	0	15	227	9	5	251	0	34	1	11	1	46	602
3:00 PM	0	3	73	14	0	90	0	3	0	0	0	3	0	6	67	6	1	79	0	11	1	7	0	19	191
3:15 PM	0	0	87	18	0	105	0	2	0	2	0	4	0	2	56	6	1	64	0	11	0	6	0	17	190
3:30 PM	0	1	75	18	0	94	0	1	0	0	2	1	0	4	78	3	1	85	0	5	2	3	0	10	190
3:45 PM	0	1	77	18	0	96	0	1	0	0	0	1	0	1	86	2	2	89	0	9	0	3	0	12	198
Hourly Total	0	5	312	68	0	385	0	7	0	2	2	9	0	13	287	17	5	317	0	36	3	19	0	58	769

**TMC 2456 - CSAH 18 @ 115th Ave
Coon Rapids MN
Tuesday, June 4, 2024**

Time	Southbound CSAH 18						Westbound Gas Station						Northbound CSAH 18						Eastbound 115th Ave						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	3	70	22	0	95	0	0	2	2	0	4	0	12	110	1	6	6	123	0	11	2	6	0	19	241
4:15 PM	0	0	77	20	0	97	0	1	0	3	0	4	0	3	91	2	0	96	0	12	1	3	0	16	213	
4:30 PM	0	0	78	18	0	96	0	0	1	3	0	4	0	8	85	5	4	98	0	10	0	6	0	16	214	
4:45 PM	0	1	86	22	0	109	0	2	0	0	2	2	1	4	88	3	1	96	0	8	2	1	0	11	218	
Hourly Total	0	4	311	82	0	397	0	3	3	8	0	14	1	27	374	11	11	413	0	41	5	16	0	62	886	
5:00 PM	0	1	84	22	0	107	0	1	0	0	0	1	0	6	88	3	0	97	0	10	0	2	0	12	217	
5:15 PM	0	2	81	16	0	99	0	0	1	1	0	2	0	10	73	4	1	87	0	13	1	3	0	17	205	
5:30 PM	0	1	75	19	0	95	0	2	0	5	0	7	0	7	80	5	1	92	0	8	6	8	0	22	216	
5:45 PM	0	1	82	24	0	107	0	1	0	2	0	3	0	7	72	0	1	79	0	19	1	5	0	25	214	
Hourly Total	0	5	322	81	0	408	0	4	1	8	0	13	0	30	313	12	3	355	0	50	8	18	0	76	852	
6:00 PM	0	0	66	14	0	80	0	0	0	0	0	0	0	3	62	3	0	68	0	9	1	2	0	12	160	
6:15 PM	0	1	52	12	0	65	0	0	1	1	0	2	0	5	60	3	0	68	0	3	0	2	0	5	140	
6:30 PM	0	2	49	11	0	62	0	1	0	1	0	2	0	6	43	5	0	54	0	13	3	1	0	17	135	
6:45 PM	0	0	36	10	0	46	0	1	1	2	0	4	0	1	43	3	0	47	0	4	0	4	0	8	105	
Hourly Total	0	3	203	47	0	253	0	2	2	4	0	8	0	15	208	14	0	237	0	29	4	9	0	42	540	
7:00 PM	0	1	37	13	0	51	0	0	0	0	0	0	0	5	42	4	3	51	0	5	0	6	0	11	113	
7:15 PM	0	0	42	12	0	54	0	1	0	0	0	1	0	0	52	0	0	52	0	5	1	3	0	9	116	
7:30 PM	0	0	48	4	0	52	0	0	0	1	0	1	0	3	46	0	0	49	0	5	0	0	0	5	107	
7:45 PM	0	1	38	8	0	47	0	0	0	0	0	0	0	1	26	1	0	28	0	6	1	0	0	7	82	
Hourly Total	0	2	165	37	0	204	0	1	0	1	0	2	0	9	166	5	3	180	0	21	2	9	0	32	418	
8:00 PM	0	1	50	9	0	60	0	0	0	0	0	0	0	0	39	0	0	39	0	3	0	3	0	6	105	
8:15 PM	0	1	29	5	0	35	0	0	0	3	0	3	0	5	30	2	1	37	0	5	0	2	0	7	82	
8:30 PM	0	2	28	9	0	39	0	0	0	2	0	2	0	4	29	2	1	35	0	4	0	2	0	6	82	
8:45 PM	0	1	25	3	0	29	0	0	1	2	0	3	0	6	20	3	0	29	0	5	0	3	0	8	69	
Hourly Total	0	5	132	26	0	163	0	0	1	7	0	8	0	15	118	7	2	140	0	17	0	10	0	27	338	
9:00 PM	0	1	29	6	0	36	0	2	0	0	0	2	0	5	22	0	0	27	0	0	0	1	0	1	66	
9:15 PM	0	2	25	7	0	34	0	0	0	0	0	0	0	2	21	2	0	25	0	4	0	3	0	7	66	
9:30 PM	0	0	18	4	0	22	0	0	0	1	0	1	0	1	10	1	0	12	0	2	0	0	0	2	37	
9:45 PM	0	0	23	3	0	26	0	0	0	0	0	0	0	0	13	2	0	15	0	0	0	3	0	3	44	
Hourly Total	0	3	95	20	0	118	0	2	0	1	0	3	0	8	66	5	0	79	0	6	0	7	0	13	213	
10:00 PM	0	0	19	1	0	20	0	0	0	0	0	0	0	2	9	0	0	11	0	2	0	0	0	2	33	
10:15 PM	0	0	15	3	0	18	0	1	0	0	0	1	0	1	14	0	0	15	0	1	1	1	0	3	37	
10:30 PM	0	1	18	8	0	27	0	1	0	0	0	1	0	3	4	0	0	7	0	2	0	0	0	2	37	
10:45 PM	0	0	9	3	0	12	0	0	0	0	0	0	1	1	9	0	0	11	0	3	0	1	0	4	27	
Hourly Total	0	1	61	15	0	77	0	2	0	0	0	2	1	7	36	0	0	44	0	8	1	2	0	11	134	
11:00 PM	0	0	3	6	0	9	0	0	0	0	0	0	0	0	5	0	0	5	0	2	0	0	0	2	16	
11:15 PM	0	0	9	3	0	12	0	0	0	0	0	0	0	2	8	0	0	10	0	1	0	0	0	1	23	
11:30 PM	0	0	3	2	0	5	0	0	0	0	0	0	0	1	5	0	0	6	0	1	0	0	0	1	12	
11:45 PM	0	0	4	2	0	6	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0	1	8	
Hourly Total	0	0	19	13	0	32	0	0	0	0	0	0	0	3	19	0	0	22	0	5	0	0	0	5	59	
DAILY TOTAL	0	84	3455	677	0	4216	0	51	16	71	24	138	2	204	3401	150	57	3757	0	593	46	259	8	898	9009	
Cars	0	83	3407	664	0	4154	0	49	16	71	13	136	2	200	3342	148	38	3692	0	586	46	251	6	883	8865	
Heavy Vehicles	0	1	48	13	0	62	0	2	0	0	11	2	0	4	59	2	19	65	0	7	0	8	2	15	144	
Heavy Vehicle %	0.00%	1.19%	1.39%	1.92%	0.00%	1.47%	0.00%	3.92%	0.00%	0.00%	45.83%	1.45%	0.00%	1.96%	1.73%	1.33%	33.33%	1.73%	0.00%	1.18%	0.00%	3.09%	25.00%	1.67%	1.60%	

**TMC 2456 - CSAH 18 @ 115th Ave
Coon Rapids MN
Tuesday, June 4, 2024
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	
10:30 AM	0	2	61	9	0	72	0	2	0	1	3	3	0	0	59	5	3	64	0	8	0	3	2	11	150
10:45 AM	0	1	59	12	0	72	0	1	0	2	0	3	0	2	64	2	2	68	0	10	0	1	0	11	154
11:00 AM	0	1	53	8	0	62	0	0	0	1	5	1	0	2	55	2	0	59	0	15	0	7	0	22	144
11:15 AM	0	1	57	11	0	69	0	2	1	1	0	4	0	1	37	1	0	39	0	10	1	6	0	17	129
Peak Hour Total	0	5	230	40	0	275	0	5	1	5	8	11	0	5	215	10	5	230	0	43	1	17	2	61	577
PHF	0.000	0.625	0.943	0.833	0.000	0.955	0.000	0.625	0.250	0.625	0.400	0.688	0.000	0.625	0.840	0.500	0.417	0.846	0.000	0.717	0.250	0.607	0.250	0.693	0.937

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	3	70	22	0	95	0	0	2	2	0	4	0	12	110	1	6	123	0	11	2	6	0	19	241
4:15 PM	0	0	77	20	0	97	0	1	0	3	0	4	0	3	91	2	0	96	0	12	1	3	0	16	213
4:30 PM	0	0	78	18	0	96	0	0	1	3	0	4	0	8	85	5	4	98	0	10	0	6	0	16	214
4:45 PM	0	1	86	22	0	109	0	2	0	0	0	2	1	4	88	3	1	96	0	8	2	1	0	11	218
Peak Hour Total	0	4	311	82	0	397	0	3	3	8	0	14	1	27	374	11	11	413	0	41	5	16	0	62	886
PHF	0.000	0.333	0.904	0.932	0.000	0.911	0.000	0.375	0.375	0.667	0.000	0.875	0.250	0.563	0.850	0.550	0.458	0.839	0.000	0.854	0.625	0.667	0.000	0.816	0.919

Total Vehicles On Leg		8281	
Vehicles Entering Intersection	4216	Vehicles Exiting Intersection	4065
Southbound			
Cars	664	3407	83
Heavy	13	48	1
Total	677	3455	84

Total Vehicles on Leg 1795	Eastbound	Cars	Heavy	Total	
		6	2	8	
		0	0	0	
		586	7	593	
		46	0	46	
251	8	259			

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 138	Total Vehicles on Leg 418
71	0	71			
16	0	16			
49	2	51			
0	0	0			
13	11	24	Vehicles Exiting Intersection 280		

Daily Volumes

Cars	38	2	200	3342	148
Heavy	19	0	4	59	2
Total	57	2	204	3401	150
Northbound					
Vehicles Entering Intersection	3757		Vehicles Exiting Intersection	3767	
Total Vehicles On Leg	7524				

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2456

Study Date : 06/25/2024

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 18

Number of Lanes : 2+

Total Approach Volume: 3,757

Southbound: CSAH 18

Number of Lanes : 1

Total Approach Volume: 3,552

Minor Street Approaches

Eastbound: 115th Ave

Number of Lanes : 1

Total Approach Volume: 898

Westbound: Gas Station

Number of Lanes : 1

Total Approach Volume: 138

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 2 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 2456

Study Date : 06/25/2024

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 2 hours meet 1B minimums.
Warrant is NOT met.

Site Data Required

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

Volume Requirements

Warrant 1A 1B
Veh/Hr Major = **400 600**

Veh/Hr Minor = **120 60**

Major Road CSAH 18

Minor Road 115th Ave

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
16:00 - 17:00	413	+	316	=	729	62	14	No
16:15 - 17:15	387	+	327	=	714	55	11	No
15:45 - 16:45	406	+	307	=	713	63	13	No
16:30 - 17:30	378	+	333	=	711	56	9	No
16:45 - 17:45	372	+	331	=	703	62	12	No
15:30 - 16:30	393	+	306	=	699	57	10	No
17:00 - 18:00	355	+	328	=	683	76	13	No
15:15 - 16:15	361	+	317	=	678	58	10	No
15:00 - 16:00	317	+	319	=	636	58	9	No
17:15 - 18:15	326	+	309	=	635	76	12	No
14:45 - 15:45	306	+	307	=	613	54	12	No
17:30 - 18:30	307	+	279	=	586	64	12	No

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
15:45 - 16:45	406	+	307	=	713	63	13	Yes
16:45 - 17:45	372	+	331	=	703	62	12	Yes
15:30 - 16:30	393	+	306	=	699	57	10	No
15:15 - 16:15	361	+	317	=	678	58	10	No
15:00 - 16:00	317	+	319	=	636	58	9	No
14:45 - 15:45	306	+	307	=	613	54	12	No
14:30 - 15:30	274	+	298	=	572	62	12	No
14:15 - 15:15	266	+	259	=	525	56	11	No
17:45 - 18:45	269	+	254	=	523	59	7	No
13:00 - 14:00	245	+	272	=	517	48	11	No
13:15 - 14:15	244	+	263	=	507	44	8	No
11:45 - 12:45	274	+	227	=	501	38	6	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2456

Study Date : 06/25/2024

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.

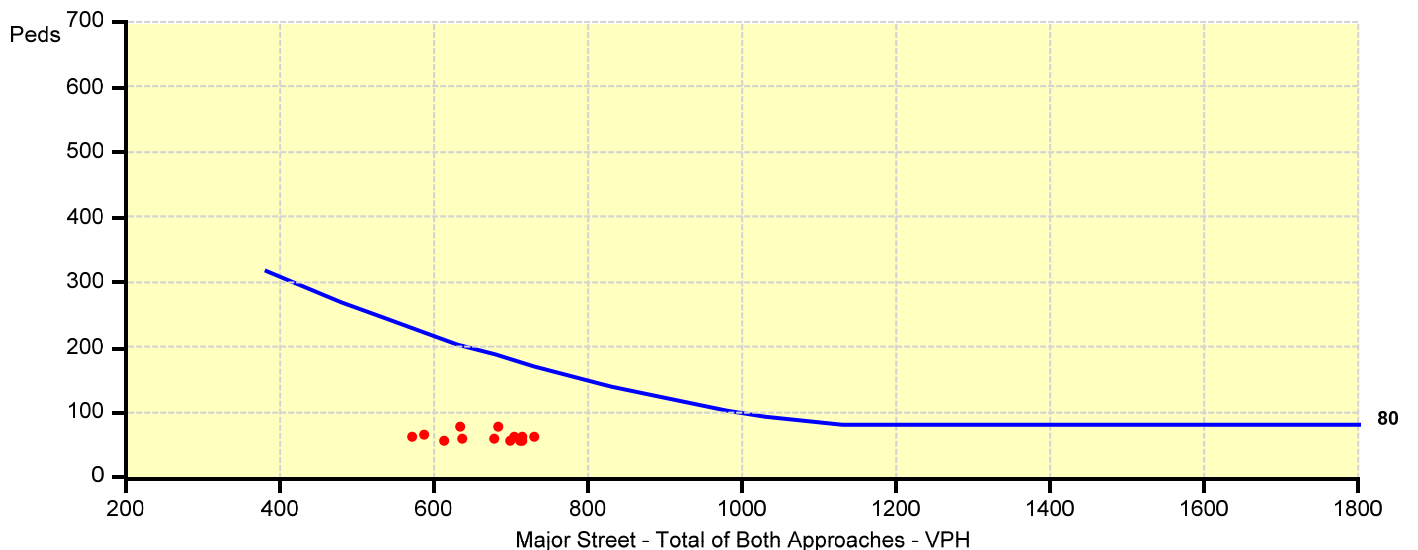
Summary

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

Site Data Required

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

Time	Major Road CSAH 18				Total	Minor Road 115th Ave		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:00 - 17:00	413	+	316	=	729	62	14	No
16:15 - 17:15	387	+	327	=	714	55	11	No
15:45 - 16:45	406	+	307	=	713	63	13	No
16:30 - 17:30	378	+	333	=	711	56	9	No
16:45 - 17:45	372	+	331	=	703	62	12	No
15:30 - 16:30	393	+	306	=	699	57	10	No
17:00 - 18:00	355	+	328	=	683	76	13	No
15:15 - 16:15	361	+	317	=	678	58	10	No
15:00 - 16:00	317	+	319	=	636	58	9	No
17:15 - 18:15	326	+	309	=	635	76	12	No
14:45 - 15:45	306	+	307	=	613	54	12	No
17:30 - 18:30	307	+	279	=	586	64	12	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2456

Study Date : 06/25/2024

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

Time	Major Road CSAH 18				Total	Minor Road 115th Ave		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:00 - 17:00	413	+	316	=	729	62	14	No
16:15 - 17:15	387	+	327	=	714	55	11	No
15:45 - 16:45	406	+	307	=	713	63	13	No
16:30 - 17:30	378	+	333	=	711	56	9	No
16:45 - 17:45	372	+	331	=	703	62	12	No
15:30 - 16:30	393	+	306	=	699	57	10	No
17:00 - 18:00	355	+	328	=	683	76	13	No
15:15 - 16:15	361	+	317	=	678	58	10	No
15:00 - 16:00	317	+	319	=	636	58	9	No
17:15 - 18:15	326	+	309	=	635	76	12	No
14:45 - 15:45	306	+	307	=	613	54	12	No
17:30 - 18:30	307	+	279	=	586	64	12	No

