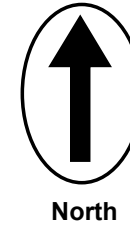


Date: 06/11/24

Count Number: TMC 2463

Location: CSAH 78
@ 129th Ln

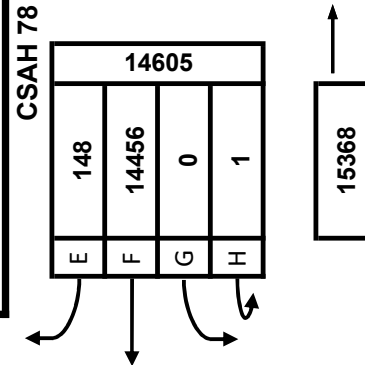
Collection Period: 24 HR



North

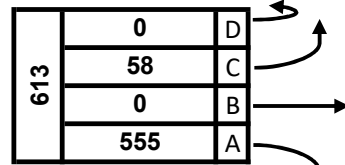
29973

#2



1284

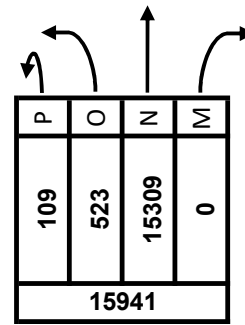
#1



129th Ln

15120

CSAH 78



#4

31061

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

Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

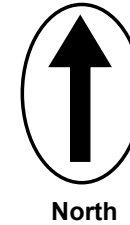
Date: 06/11/24

Count Number: TMC 2463

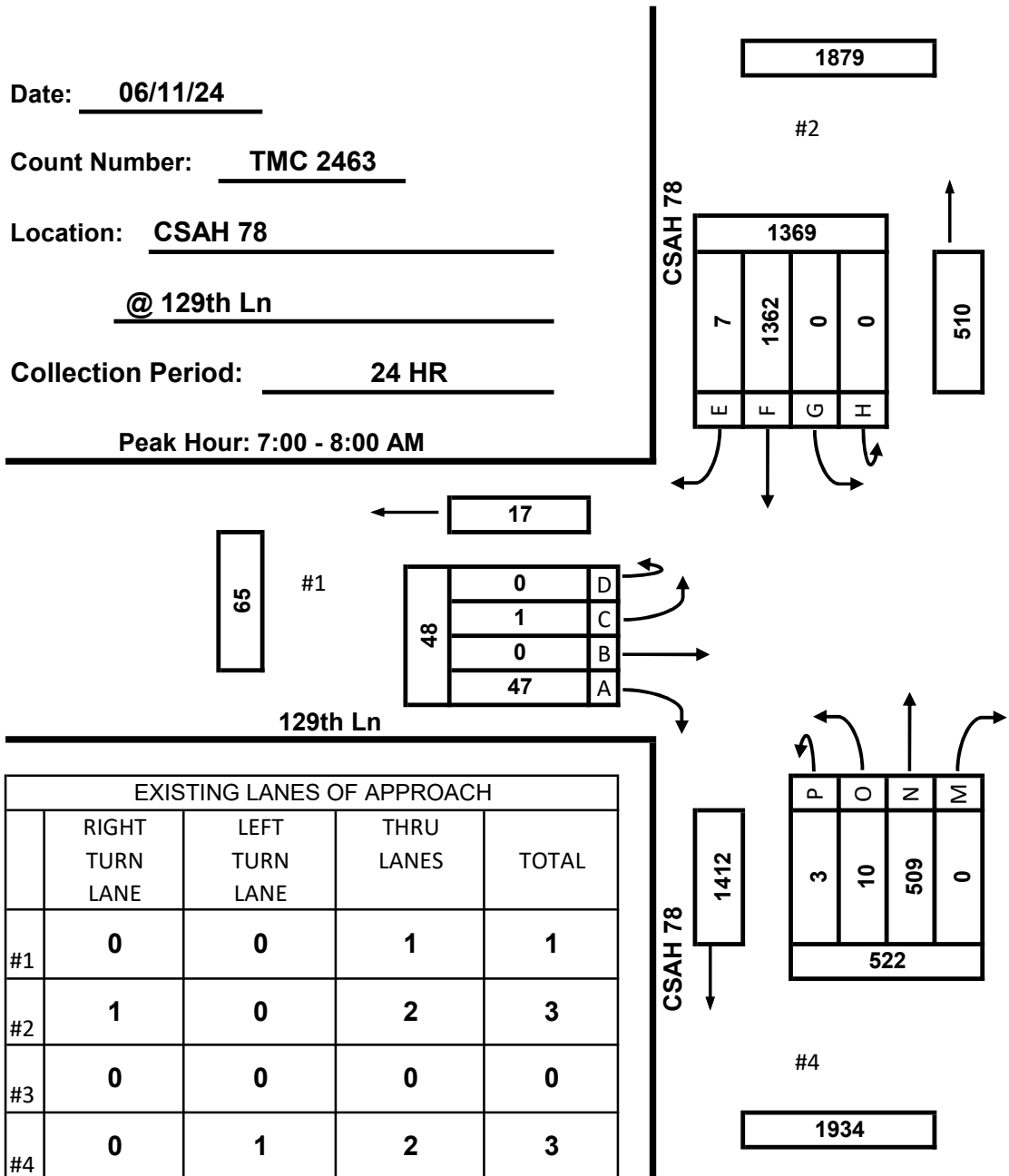
Location: CSAH 78
@ 129th Ln

Collection Period: 24 HR

Peak Hour: 7:00 - 8:00 AM



North



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

Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

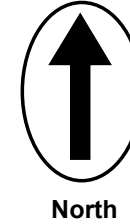
Date: 06/11/24

Count Number: TMC 2463

Location: CSAH 78
@ 129th Ln

Collection Period: 24 HR

Peak Hour: 4:15 - 5:15 PM



2788

#2

CSAH 78

1087			
17	1070	0	0
E	F	G	H

1701

124

#1

53	0	D
	6	C
	0	B
	47	A

129th Ln

71

CSAH 78

1129

P	O	N	M
12	54	1695	0
1761			

#4

2890

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

Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

**TMC 2463 CSAH 78 @ 129th Ln
Coon Rapids MN
Tuesday, June 11, 2024**

Time	Southbound CSAH 78						Westbound 0						Northbound CSAH 78						Eastbound 129th Ln						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	9	0	0	9	0	0	0	0	0	0	1	0	20	0	0	21	0	0	0	1	0	1	31
12:15 AM	0	0	9	1	0	10	0	0	0	0	0	0	1	0	20	0	0	21	0	0	0	0	0	0	31
12:30 AM	0	0	8	1	0	9	0	0	0	0	0	0	0	0	11	0	0	11	0	0	0	0	0	0	20
12:45 AM	0	0	12	0	0	12	0	0	0	0	0	0	0	0	15	0	0	15	0	0	0	0	0	0	27
Hourly Total	0	0	38	2	0	40	0	0	0	0	0	0	2	0	66	0	0	68	0	0	0	1	0	1	109
1:00 AM	0	0	8	0	0	8	0	0	0	0	0	0	0	2	16	0	0	18	0	0	0	0	0	0	26
1:15 AM	0	0	6	0	0	6	0	0	0	0	0	0	1	1	8	0	0	10	0	0	0	2	0	2	18
1:30 AM	0	0	10	0	0	10	0	0	0	0	0	0	1	2	13	0	0	16	0	0	0	0	0	0	26
1:45 AM	0	0	9	0	0	9	0	0	0	0	0	0	0	0	12	0	0	12	0	0	0	1	0	1	22
Hourly Total	0	0	33	0	0	33	0	0	0	0	0	0	2	5	49	0	0	56	0	0	0	3	0	3	92
2:00 AM	0	0	6	0	0	6	0	0	0	0	0	0	0	1	12	0	0	13	0	0	0	0	0	0	19
2:15 AM	0	0	8	0	0	8	0	0	0	0	0	0	0	0	7	0	0	7	0	0	0	1	0	1	16
2:30 AM	0	0	8	0	0	8	0	0	0	0	0	0	0	1	4	0	0	5	0	0	0	0	0	0	13
2:45 AM	0	0	7	0	0	7	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	0	0	0	15
Hourly Total	0	0	29	0	0	29	0	0	0	0	0	0	0	2	31	0	0	33	0	0	0	1	0	1	63
3:00 AM	0	0	11	0	0	11	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	20
3:15 AM	0	0	16	0	0	16	0	0	0	0	0	0	0	0	9	0	0	9	0	0	0	0	0	0	25
3:30 AM	0	0	13	0	0	13	0	0	0	0	0	0	0	0	6	0	0	6	0	0	0	2	0	2	21
3:45 AM	0	0	13	0	0	13	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	0	17
Hourly Total	0	0	53	0	0	53	0	0	0	0	0	0	0	1	27	0	0	28	0	0	0	2	0	2	83
4:00 AM	0	0	30	1	0	31	0	0	0	0	0	0	0	0	8	0	0	8	0	0	0	1	0	1	40
4:15 AM	0	0	39	0	0	39	0	0	0	0	0	0	0	3	8	0	0	11	0	0	0	4	0	4	54
4:30 AM	0	0	69	0	0	69	0	0	0	0	0	0	0	1	22	0	0	23	0	0	0	3	0	3	95
4:45 AM	0	0	82	0	0	82	0	0	0	0	0	0	0	0	32	0	0	32	0	0	0	2	0	2	116
Hourly Total	0	0	220	1	0	221	0	0	0	0	0	0	0	4	70	0	0	74	0	0	0	10	0	10	305
5:00 AM	0	0	111	0	0	111	0	0	0	0	0	0	0	1	19	0	0	20	0	0	0	2	0	2	133
5:15 AM	0	0	158	0	0	158	0	0	0	0	0	0	0	0	20	0	0	20	0	2	0	8	0	10	188
5:30 AM	0	0	186	0	0	186	0	0	0	0	0	0	0	0	56	0	0	56	0	1	0	7	0	8	250
5:45 AM	0	0	174	1	0	175	0	0	0	0	0	0	0	2	52	0	0	54	0	0	0	5	0	5	234
Hourly Total	0	0	629	1	0	630	0	0	0	0	0	0	0	3	147	0	0	150	0	3	0	22	0	25	805
6:00 AM	0	0	208	0	0	208	0	0	0	0	0	0	0	2	44	0	0	46	0	0	0	8	1	8	262
6:15 AM	0	0	257	1	0	258	0	0	0	0	0	0	1	1	76	0	0	78	0	0	0	14	0	14	350
6:30 AM	0	0	284	0	0	284	0	0	0	0	0	0	0	2	84	0	0	86	0	0	0	13	0	13	383
6:45 AM	0	0	287	3	0	290	0	0	0	0	0	0	0	2	130	0	0	132	0	1	0	13	0	14	436
Hourly Total	0	0	1036	4	0	1040	0	0	0	0	0	0	1	7	334	0	0	342	0	1	0	48	1	49	1431
7:00 AM	0	0	355	3	0	358	0	0	0	0	0	0	0	6	113	0	0	119	0	0	0	11	0	11	488
7:15 AM	0	0	369	1	0	370	0	0	0	0	0	0	0	3	106	0	0	109	0	1	0	6	0	7	486
7:30 AM	0	0	288	1	0	289	0	0	0	0	0	0	0	0	142	0	0	142	0	0	0	19	0	19	450
7:45 AM	0	0	350	2	0	352	0	0	0	0	0	0	3	1	148	0	0	152	0	0	0	11	0	11	515
Hourly Total	0	0	1362	7	0	1369	0	0	0	0	0	0	3	10	509	0	0	522	0	1	0	47	0	48	1939

**TMC 2463 CSAH 78 @ 129th Ln
Coon Rapids MN
Tuesday, June 11, 2024**

Time	Southbound CSAH 78						Westbound 0						Northbound CSAH 78						Eastbound 129th Ln						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	284	1	0	285	0	0	0	0	0	0	1	5	116	0	0	122	0	0	0	13	0	13	420
8:15 AM	0	0	235	0	0	235	0	0	0	0	0	0	2	1	123	0	0	126	0	0	0	12	0	12	373
8:30 AM	0	0	228	2	0	230	0	0	0	0	0	0	1	3	142	0	0	146	0	1	0	9	0	10	386
8:45 AM	0	0	246	0	0	246	0	0	0	0	0	0	2	4	161	0	0	167	0	0	0	8	0	8	421
Hourly Total	0	0	993	3	0	996	0	0	0	0	0	0	6	13	542	0	0	561	0	1	0	42	0	43	1600
9:00 AM	0	0	207	3	0	210	0	0	0	0	0	0	1	6	156	0	0	163	0	2	0	8	0	10	383
9:15 AM	0	0	196	1	0	197	0	0	0	0	0	0	0	5	149	0	0	154	0	2	0	12	0	14	365
9:30 AM	0	0	224	0	0	224	0	0	0	0	0	0	1	2	145	0	0	148	0	1	0	10	0	11	383
9:45 AM	0	0	219	2	0	221	0	0	0	0	0	0	0	3	164	0	0	167	0	0	0	3	0	3	391
Hourly Total	0	0	846	6	0	852	0	0	0	0	0	0	2	16	614	0	0	632	0	5	0	33	0	38	1522
10:00 AM	0	0	194	2	0	196	0	0	0	0	0	0	0	5	166	0	0	171	0	3	0	3	0	6	373
10:15 AM	0	0	190	2	0	192	0	0	0	0	0	0	0	2	165	0	0	167	0	4	0	8	2	12	371
10:30 AM	0	0	198	2	0	200	0	0	0	0	0	0	2	4	152	0	0	158	0	0	0	5	0	5	363
10:45 AM	0	0	214	1	0	215	0	0	0	0	0	0	1	4	218	0	0	223	0	1	0	4	1	5	443
Hourly Total	0	0	796	7	0	803	0	0	0	0	0	0	3	15	701	0	0	719	0	8	0	20	3	28	1550
11:00 AM	0	0	196	2	0	198	0	0	0	0	0	0	2	9	171	0	0	182	0	2	0	4	0	6	386
11:15 AM	0	0	189	3	0	192	0	0	0	0	0	0	2	5	191	0	0	198	0	1	0	3	0	4	394
11:30 AM	0	0	241	1	0	242	0	0	0	0	0	0	3	6	195	0	0	204	0	2	0	7	0	9	455
11:45 AM	1	0	190	1	0	192	0	0	0	0	0	0	1	5	195	0	0	201	0	0	0	5	0	5	398
Hourly Total	1	0	816	7	0	824	0	0	0	0	0	0	8	25	752	0	0	785	0	5	0	19	0	24	1633
12:00 PM	0	0	215	3	0	218	0	0	0	0	0	0	2	6	200	0	0	208	0	1	0	7	0	8	434
12:15 PM	0	0	189	3	0	192	0	0	0	0	0	0	2	9	213	0	0	224	0	0	0	3	0	3	419
12:30 PM	0	0	172	0	0	172	0	0	0	0	0	0	0	7	206	0	0	213	0	1	0	4	0	5	390
12:45 PM	0	0	232	1	0	233	0	0	0	0	0	0	3	1	206	0	0	210	0	3	0	12	1	15	458
Hourly Total	0	0	808	7	0	815	0	0	0	0	0	0	7	23	825	0	0	855	0	5	0	26	1	31	1701
1:00 PM	0	0	166	4	0	170	0	0	0	0	0	0	3	7	253	0	0	263	0	0	0	6	0	6	439
1:15 PM	0	0	175	2	0	177	0	0	0	0	0	0	0	9	205	0	0	214	0	2	0	12	0	14	405
1:30 PM	0	0	172	3	0	175	0	0	0	0	0	0	0	6	214	0	0	220	0	4	0	17	1	21	416
1:45 PM	0	0	184	1	0	185	0	0	0	0	0	0	1	10	270	0	0	281	0	1	0	5	0	6	472
Hourly Total	0	0	697	10	0	707	0	0	0	0	0	0	4	32	942	0	0	978	0	7	0	40	1	47	1732
2:00 PM	0	0	196	2	0	198	0	0	0	0	0	0	2	6	248	0	0	256	0	1	0	10	0	11	465
2:15 PM	0	0	205	2	0	207	0	0	0	0	0	0	2	9	308	0	0	319	0	1	0	5	0	6	532
2:30 PM	0	0	222	3	0	225	0	0	0	0	0	0	1	9	309	0	0	319	0	0	0	6	0	6	550
2:45 PM	0	0	193	3	0	196	0	0	0	0	0	0	2	5	356	0	0	363	0	0	0	5	0	5	564
Hourly Total	0	0	816	10	0	826	0	0	0	0	0	0	7	29	1221	0	0	1257	0	2	0	26	0	28	2111
3:00 PM	0	0	184	3	0	187	0	0	0	0	0	0	3	12	326	0	1	341	0	0	0	6	0	6	534
3:15 PM	0	0	208	5	0	213	0	0	0	0	0	0	3	19	376	0	0	398	0	0	0	7	0	7	618
3:30 PM	0	0	230	1	0	231	0	0	0	0	0	0	2	14	335	0	0	351	0	0	0	9	0	9	591
3:45 PM	0	0	192	5	0	197	0	0	0	0	0	0	1	14	414	0	0	429	0	0	0	9	1	9	635
Hourly Total	0	0	814	14	0	828	0	0	0	0	0	0	9	59	1451	0	1	1519	0	0	0	31	1	31	2378

**TMC 2463 CSAH 78 @ 129th Ln
Coon Rapids MN
Tuesday, June 11, 2024**

Time	Southbound CSAH 78						Westbound 0						Northbound CSAH 78						Eastbound 129th Ln						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
4:00 PM	0	0	213	3	0	216	0	0	0	0	0	0	2	9	418	0	0	429	0	1	0	10	2	11	656
4:15 PM	0	0	251	6	0	257	0	0	0	0	0	0	2	23	470	0	0	495	0	1	0	12	0	13	765
4:30 PM	0	0	292	5	0	297	0	0	0	0	0	0	4	10	426	0	0	440	0	1	0	14	1	15	752
4:45 PM	0	0	281	3	0	284	0	0	0	0	0	0	4	12	391	0	0	407	0	1	0	8	1	9	700
Hourly Total	0	0	1037	17	0	1054	0	0	0	0	0	0	12	54	1705	0	0	1771	0	4	0	44	4	48	2873
5:00 PM	0	0	246	3	0	249	0	0	0	0	0	0	2	9	408	0	0	419	0	3	0	13	1	16	684
5:15 PM	0	0	239	2	0	241	0	0	0	0	0	0	1	12	444	0	0	457	0	0	0	7	0	7	705
5:30 PM	0	0	225	5	0	230	0	0	0	0	0	0	5	19	417	0	0	441	0	0	0	11	0	11	682
5:45 PM	0	0	244	1	0	245	0	0	0	0	0	0	3	15	340	0	0	358	0	0	0	10	0	10	613
Hourly Total	0	0	954	11	0	965	0	0	0	0	0	0	11	55	1609	0	0	1675	0	3	0	41	1	44	2684
6:00 PM	0	0	190	1	0	191	0	0	0	0	0	0	0	7	309	0	0	316	0	3	0	11	1	14	521
6:15 PM	0	0	185	1	0	186	0	0	0	0	0	0	0	10	260	0	0	270	0	1	0	2	0	3	459
6:30 PM	0	0	216	3	0	219	0	0	0	0	0	0	1	15	235	0	0	251	0	1	0	15	0	16	486
6:45 PM	0	0	179	2	0	181	0	0	0	0	0	0	3	10	226	0	0	239	0	1	0	9	0	10	430
Hourly Total	0	0	770	7	0	777	0	0	0	0	0	0	4	42	1030	0	0	1076	0	6	0	37	1	43	1896
7:00 PM	0	0	155	4	0	159	0	0	0	0	0	0	5	16	217	0	0	238	0	3	0	13	0	16	413
7:15 PM	0	0	136	0	0	136	0	0	0	0	0	0	1	8	243	0	0	252	0	0	0	3	0	3	391
7:30 PM	0	0	132	4	0	136	0	0	0	0	0	0	2	10	182	0	0	194	0	0	0	3	0	3	333
7:45 PM	0	0	136	3	0	139	0	0	0	0	0	0	4	6	195	0	0	205	0	0	0	9	0	9	353
Hourly Total	0	0	559	11	0	570	0	0	0	0	0	0	12	40	837	0	0	889	0	3	0	28	0	31	1490
8:00 PM	0	0	133	1	0	134	0	0	0	0	0	0	2	8	162	0	0	172	0	0	0	3	0	3	309
8:15 PM	0	0	135	3	0	138	0	0	0	0	0	0	2	8	236	0	0	246	0	0	0	3	0	3	387
8:30 PM	0	0	110	4	0	114	0	0	0	0	0	0	1	7	206	0	0	214	0	1	0	4	0	5	333
8:45 PM	0	0	122	0	0	122	0	0	0	0	0	0	2	6	169	0	0	177	0	1	0	0	0	1	300
Hourly Total	0	0	500	8	0	508	0	0	0	0	0	0	7	29	773	0	0	809	0	2	0	10	0	12	1329
9:00 PM	0	0	109	4	0	113	0	0	0	0	0	0	2	12	141	0	0	155	0	0	0	1	0	1	269
9:15 PM	0	0	104	0	0	104	0	0	0	0	0	0	1	4	137	0	0	142	0	2	0	7	0	9	255
9:30 PM	0	0	76	1	0	77	0	0	0	0	0	0	1	9	134	0	0	144	0	0	0	2	0	2	223
9:45 PM	0	0	54	3	0	57	0	0	0	0	0	0	1	5	96	0	0	102	0	0	0	4	0	4	163
Hourly Total	0	0	343	8	0	351	0	0	0	0	0	0	5	30	508	0	0	543	0	2	0	14	0	16	910
10:00 PM	0	0	56	2	0	58	0	0	0	0	0	0	0	6	85	0	0	91	0	0	0	3	0	3	152
10:15 PM	0	0	53	1	0	54	0	0	0	0	0	0	0	3	123	0	0	126	0	0	0	2	0	2	182
10:30 PM	0	0	48	0	0	48	0	0	0	0	0	0	0	4	83	0	0	87	0	0	0	0	0	0	135
10:45 PM	0	0	37	2	0	39	0	0	0	0	0	0	2	5	77	0	0	84	0	0	0	1	0	1	124
Hourly Total	0	0	194	5	0	199	0	0	0	0	0	0	2	18	368	0	0	388	0	0	0	6	0	6	593
11:00 PM	0	0	40	1	0	41	0	0	0	0	0	0	0	2	61	0	0	63	0	0	0	1	0	1	105
11:15 PM	0	0	34	0	0	34	0	0	0	0	0	0	0	2	62	0	0	64	0	0	0	1	0	1	99
11:30 PM	0	0	23	0	0	23	0	0	0	0	0	0	2	5	44	0	0	51	0	0	0	1	0	1	75
11:45 PM	0	0	16	1	0	17	0	0	0	0	0	0	0	2	31	0	0	33	0	0	0	1	0	1	51
Hourly Total	0	0	113	2	0	115	0	0	0	0	0	0	2	11	198	0	0	211	0	0	0	4	0	4	330
DAILY TOTAL	1	0	14456	148	0	14605	0	0	0	0	0	0	109	523	15309	0	1	15941	0	58	0	555	13	613	31159
Cars	1	0	14239	147	0	14387	0	0	0	0	0	0	107	518	15070	0	0	15695	0	56	0	545	8	601	30683
Heavy Vehicles	0	0	217	1	0	218	0	0	0	0	0	0	2	5	239	0	1	246	0	2	0	10	5	12	476
Heavy Vehicle %	0.00%	0.00%	1.50%	0.68%	0.00%	1.49%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.83%	0.96%	1.56%	0.00%	100.00%	1.54%	0.00%	3.45%	0.00%	1.80%	38.46%	1.96%	1.53%

**TMC 2463 CSAH 78 @ 129th Ln
Coon Rapids MN
Tuesday, June 11, 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	
7:00 AM	0	0	355	3	0	358	0	0	0	0	0	0	0	6	113	0	0	119	0	0	0	11	0	11	488
7:15 AM	0	0	369	1	0	370	0	0	0	0	0	0	0	3	106	0	0	109	0	1	0	6	0	7	486
7:30 AM	0	0	288	1	0	289	0	0	0	0	0	0	0	0	142	0	0	142	0	0	0	19	0	19	450
7:45 AM	0	0	350	2	0	352	0	0	0	0	0	0	3	1	148	0	0	152	0	0	0	11	0	11	515
Peak Hour Total	0	0	1362	7	0	1369	0	0	0	0	0	0	3	10	509	0	0	522	0	1	0	47	0	48	1939
PHF	0.000	0.000	0.923	0.583	0.000	0.925	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.417	0.860	0.000	0.000	0.859	0.000	0.250	0.000	0.618	0.000	0.632	0.941

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	
4:15 PM	0	0	251	6	0	257	0	0	0	0	0	0	2	23	470	0	0	495	0	1	0	12	0	13	765
4:30 PM	0	0	292	5	0	297	0	0	0	0	0	0	4	10	426	0	0	440	0	1	0	14	1	15	752
4:45 PM	0	0	281	3	0	284	0	0	0	0	0	0	4	12	391	0	0	407	0	1	0	8	1	9	700
5:00 PM	0	0	246	3	0	249	0	0	0	0	0	0	2	9	408	0	0	419	0	3	0	13	1	16	684
Peak Hour Total	0	0	1070	17	0	1087	0	0	0	0	0	0	12	54	1695	0	0	1761	0	6	0	47	3	53	2901
PHF	0.000	0.000	0.916	0.708	0.000	0.915	0.000	0.000	0.000	0.000	0.000	0.000	0.750	0.587	0.902	0.000	0.000	0.889	0.000	0.500	0.000	0.839	0.750	0.828	0.948

Total Vehicles On Leg				29973			
Vehicles Entering Intersection		14605		Vehicles Exiting Intersection		15368	
Southbound							
Cars	147	14239	0	1	0	0	0
Heavy	1	217	0	0	0	0	0
Total	148	14456	0	1	0	0	0

Total Vehicles on Leg 1284	Vehicles Entering Intersection 613	Eastbound	Cars	8	5	13	
			Heavy	0	0	0	
			Total	56	2	58	
			Vehicles Exiting Intersection 671	Cars	0	0	0
			Heavy	0	0	0	
Total	545	10	555				

Cars	0	0	0				
Heavy	0	0	0				
Total	0	0	0				
Total Vehicles on Leg 0	Vehicles Entering Intersection 0	Westbound	Cars	0	0	0	
			Heavy	0	0	0	
			Total	0	0	0	
			Vehicles Exiting Intersection 0	Cars	0	0	0
			Heavy	0	0	0	
Total	0	0	0				

Daily Volumes

Cars	0	107	518	15070	0
Heavy	1	2	5	239	0
Total	1	109	523	15309	0
Northbound					
Vehicles Entering Intersection			15941		
Vehicles Exiting Intersection			15120		
Total Vehicles On Leg			31061		

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2463

Study Date : 06/26/2024

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 78

Number of Lanes : 2+

Total Approach Volume: 6,277

Southbound: CSAH 78

Number of Lanes :2+

Total Approach Volume: 9,008

Minor Street Approaches

Eastbound: 129 th Ln

Number of Lanes :1

Total Approach Volume: 423

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 2 hours, 8 are needed

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

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

Required 1B volumes reached for 3 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 2463

Study Date : 06/26/2024

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 = **2 or more**
Number of Minor Lanes = **1**

Volume Requirements

Rural Factor of 70 % applied
Veh/Hr Major = **420**

Veh/Hr Minor = **105**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	CSAH 78					129 th Ln		
08:30 - 09:30	214	+	240	=	454	29	111	Yes
17:30 - 18:30	524	+	1375	=	1899	46	0	No
17:45 - 18:45	522	+	1304	=	1826	49	0	No
17:15 - 18:15	506	+	1308	=	1814	50	0	No
17:00 - 18:00	459	+	1289	=	1748	45	0	No
18:00 - 19:00	538	+	1159	=	1697	54	0	No
22:45 - 23:45	920	+	769	=	1689	30	0	No
22:00 - 23:00	836	+	843	=	1679	26	0	No
22:30 - 23:30	860	+	818	=	1678	31	0	No
23:00 - 00:00	912	+	751	=	1663	40	0	No
21:45 - 22:45	805	+	842	=	1647	27	0	No
21:15 - 22:15	791	+	849	=	1640	23	0	No
18:15 - 19:15	543	+	1094	=	1637	48	0	No
22:15 - 23:15	847	+	770	=	1617	22	0	No
21:30 - 22:30	774	+	825	=	1599	24	0	No
16:45 - 17:45	423	+	1175	=	1598	53	0	No
21:00 - 22:00	751	+	805	=	1556	19	0	No
18:30 - 19:30	553	+	992	=	1545	45	0	No
20:45 - 21:45	730	+	805	=	1535	28	0	No
20:30 - 21:30	729	+	799	=	1528	28	0	No
18:45 - 19:45	597	+	924	=	1521	42	0	No
19:15 - 20:15	634	+	883	=	1517	42	0	No
19:00 - 20:00	624	+	892	=	1516	43	0	No
20:00 - 21:00	660	+	824	=	1484	32	0	No
19:30 - 20:30	631		850		1481	37	0	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2463

Study Date : 06/26/2024

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 2 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

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

Volume Requirements

Rural Factor of 70 % applied
 Veh/Hr Major = **630**

 Veh/Hr Minor = **53**

Time	Major Road				Minor Road			Met?
	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	
18:00 - 19:00	538	+	1159	=	1697	54	0	Yes
16:45 - 17:45	423	+	1175	=	1598	53	0	Yes
17:45 - 18:45	522	+	1304	=	1826	49	0	No
22:45 - 23:45	920	+	769	=	1689	30	0	No
22:00 - 23:00	836	+	843	=	1679	26	0	No
22:30 - 23:30	860	+	818	=	1678	31	0	No
23:00 - 00:00	912	+	751	=	1663	40	0	No
21:45 - 22:45	805	+	842	=	1647	27	0	No
21:15 - 22:15	791	+	849	=	1640	23	0	No
22:15 - 23:15	847	+	770	=	1617	22	0	No
21:30 - 22:30	774	+	825	=	1599	24	0	No
21:00 - 22:00	751	+	805	=	1556	19	0	No
20:45 - 21:45	730	+	805	=	1535	28	0	No
20:30 - 21:30	729	+	799	=	1528	28	0	No
19:15 - 20:15	634	+	883	=	1517	42	0	No
19:00 - 20:00	624	+	892	=	1516	43	0	No
20:00 - 21:00	660	+	824	=	1484	32	0	No
19:30 - 20:30	631	+	850	=	1481	37	0	No
20:15 - 21:15	677	+	801	=	1478	26	0	No
19:45 - 20:45	644	+	831	=	1475	32	0	No
16:30 - 17:30	351	+	1039	=	1390	51	0	No
23:15 - 00:15	694	+	580	=	1274	35	0	No
16:15 - 17:15	268	+	935	=	1203	41	0	No
16:00 - 17:00	239	+	849	=	1088	36	0	No
15:45 - 16:45	184		744		928	31	0	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2463

Study Date : 06/26/2024

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 1 hours meet 1A minimums.
Only 3 hours meet 1B minimums.
Warrant is NOT met.

Site Data Required

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

Volume Requirements

Rural Factor of 70% applied
Warrant 1A 1B
Veh/Hr Major = **336 504**

Veh/Hr Minor = **84 42**

Major Road

CSAH 78

Minor Road

129 th Ln

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
08:30 - 09:30	214	+	240	=	454	29	111	Yes
17:30 - 18:30	524	+	1375	=	1899	46	0	No
17:45 - 18:45	522	+	1304	=	1826	49	0	No
17:15 - 18:15	506	+	1308	=	1814	50	0	No
17:00 - 18:00	459	+	1289	=	1748	45	0	No
18:00 - 19:00	538	+	1159	=	1697	54	0	No
22:45 - 23:45	920	+	769	=	1689	30	0	No
22:00 - 23:00	836	+	843	=	1679	26	0	No
22:30 - 23:30	860	+	818	=	1678	31	0	No
23:00 - 00:00	912	+	751	=	1663	40	0	No
21:45 - 22:45	805	+	842	=	1647	27	0	No
21:15 - 22:15	791	+	849	=	1640	23	0	No

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
17:30 - 18:30	524	+	1375	=	1899	46	0	Yes
18:30 - 19:30	553	+	992	=	1545	45	0	Yes
16:30 - 17:30	351	+	1039	=	1390	51	0	Yes
22:45 - 23:45	920	+	769	=	1689	30	0	No
22:00 - 23:00	836	+	843	=	1679	26	0	No
22:30 - 23:30	860	+	818	=	1678	31	0	No
23:00 - 00:00	912	+	751	=	1663	40	0	No
21:45 - 22:45	805	+	842	=	1647	27	0	No
21:15 - 22:15	791	+	849	=	1640	23	0	No
22:15 - 23:15	847	+	770	=	1617	22	0	No
21:30 - 22:30	774	+	825	=	1599	24	0	No
21:00 - 22:00	751	+	805	=	1556	19	0	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2463

Study Date : 06/26/2024

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.

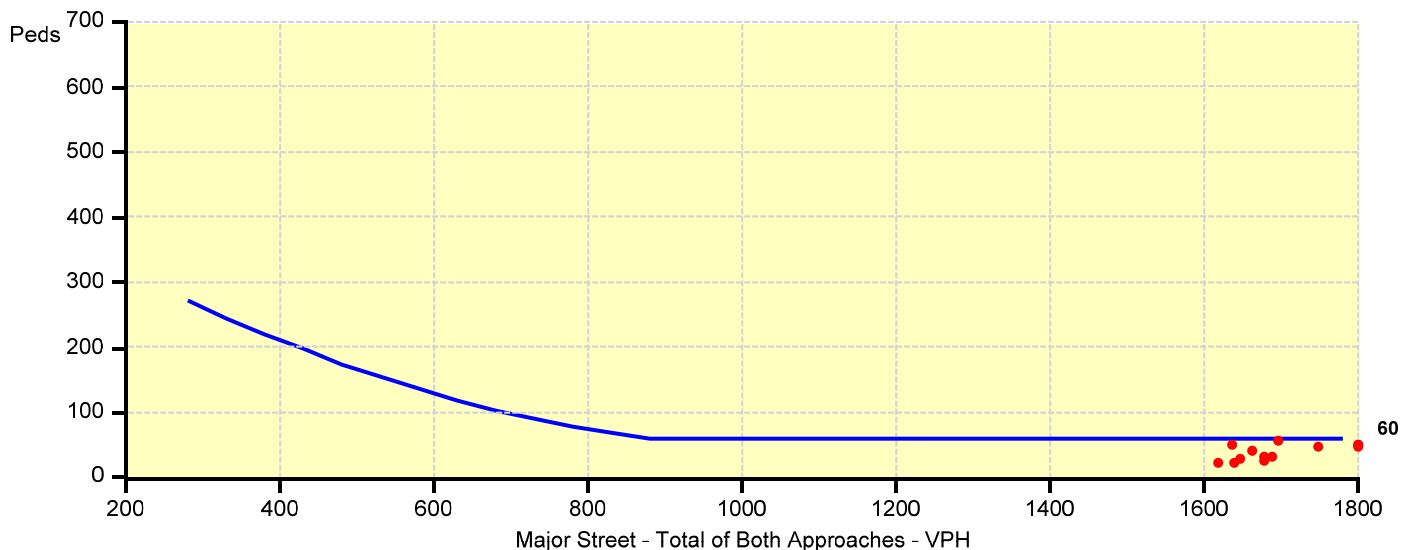
Summary

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

Site Data Required

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

Time	Major Road CSAH 78				Total	Minor Road 129 th Ln		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
17:30 - 18:30	524	+	1375	=	1899	46	0	No
17:45 - 18:45	522	+	1304	=	1826	49	0	No
17:15 - 18:15	506	+	1308	=	1814	50	0	No
17:00 - 18:00	459	+	1289	=	1748	45	0	No
18:00 - 19:00	538	+	1159	=	1697	54	0	No
22:45 - 23:45	920	+	769	=	1689	30	0	No
22:00 - 23:00	836	+	843	=	1679	26	0	No
22:30 - 23:30	860	+	818	=	1678	31	0	No
23:00 - 00:00	912	+	751	=	1663	40	0	No
21:45 - 22:45	805	+	842	=	1647	27	0	No
21:15 - 22:15	791	+	849	=	1640	23	0	No
18:15 - 19:15	543		1094		1637	48	0	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2463

Study Date : 06/26/2024

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 = **True**
 Number of Major Lanes = **2 or more**
 Number of Minor Lanes = **1**

Time	Major Road CSAH 78				Total	Minor Road 129 th Ln		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
17:30 - 18:30	524	+	1375	=	1899	46	0	No
17:45 - 18:45	522	+	1304	=	1826	49	0	No
17:15 - 18:15	506	+	1308	=	1814	50	0	No
17:00 - 18:00	459	+	1289	=	1748	45	0	No
18:00 - 19:00	538	+	1159	=	1697	54	0	No
22:45 - 23:45	920	+	769	=	1689	30	0	No
22:00 - 23:00	836	+	843	=	1679	26	0	No
22:30 - 23:30	860	+	818	=	1678	31	0	No
23:00 - 00:00	912	+	751	=	1663	40	0	No
21:45 - 22:45	805	+	842	=	1647	27	0	No
21:15 - 22:15	791	+	849	=	1640	23	0	No
18:15 - 19:15	543		1094		1637	48	0	No

