

Date: 07/09/24

Count Number: TMC 2425

Location: CSAH 7
@ T.H. 10

Collection Period: 24 HR

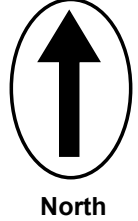
19031

#2

CSAH 7

10634			
0	5972	4649	13
E	F	G	H

8397



North

0

3828

#1

3828	0	D
	2374	C
	15	B
	1439	A

T.H. 10

#3

6741

6741

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

CSAH 7

7411

P	O	Z	M
0	0	6010	2077
8087			

#4

15498

Anoka County
 Highway Department
 Traffic Volume and Turning
 Movement Study

Date: 07/09/24

Count Number: TMC 2425

Location: CSAH 7

@ T.H. 10

Collection Period: 24 HR

Peak Hour: 6:45 - 7:45 AM

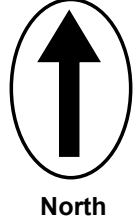
1298

#2

CSAH 7

942			
0	443	499	0
E	F	G	H

356



North

265

#1

265	0	D
	99	C
	0	B
	166	A

T.H. 10

#3

602

602

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

CSAH 7

609

P	O	N	M
0	0	257	103
360			

#4

969

Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

Date: 07/09/24

Count Number: TMC 2425

Location: CSAH 7

@ T.H. 10

Collection Period: 24 HR

Peak Hour: 3:45 - 4:45 PM

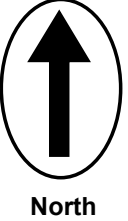
1510

#2

CSAH 7

621			
0	364	256	1
E	F	G	H

889



North

299

#1

299	0	D
	230	C
	0	B
	69	A

T.H. 10

0

#3

480

480

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

CSAH 7

433

P	O	N	M
0	0	658	224
882			

#4

1315

Anoka County
Highway Department
Traffic Volume and Turning
Movement Study

TMC 2425 - CSAH 7 @ EB US 10
Anoka MN
Tuesday, July 9, 2024

Time	Southbound CSAH 7						Westbound 0						Northbound CSAH 7						Eastbound T.H. 10						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	7	12	0	0	19	0	0	0	0	0	0	0	0	10	2	0	12	0	6	0	2	0	8	39
12:15 AM	0	3	9	0	0	12	0	0	0	0	0	0	0	0	7	1	0	8	0	7	0	0	0	7	27
12:30 AM	0	7	10	0	0	17	0	0	0	0	0	0	0	0	8	1	0	9	0	2	0	1	1	3	29
12:45 AM	0	2	3	0	0	5	0	0	0	0	0	0	0	0	2	2	0	4	0	3	0	1	2	4	13
Hourly Total	0	19	34	0	0	53	0	0	0	0	0	0	0	0	27	6	0	33	0	18	0	4	3	22	108
1:00 AM	0	7	2	0	0	9	0	0	0	0	0	0	0	0	16	3	0	19	0	5	0	0	0	5	33
1:15 AM	0	3	6	0	0	9	0	0	0	0	0	0	0	0	5	1	0	6	0	6	0	1	0	7	22
1:30 AM	0	3	6	0	0	9	0	0	0	0	0	0	0	0	3	1	0	4	0	1	0	0	0	1	14
1:45 AM	0	4	5	0	0	9	0	0	0	0	0	0	0	0	5	4	0	9	0	0	0	2	0	2	20
Hourly Total	0	17	19	0	0	36	0	0	0	0	0	0	0	0	29	9	0	38	0	12	0	3	0	15	89
2:00 AM	0	4	5	0	0	9	0	0	0	0	0	0	0	0	4	1	0	5	0	1	0	0	0	1	15
2:15 AM	0	4	3	0	0	7	0	0	0	0	0	0	0	0	4	1	0	5	0	1	0	1	0	2	14
2:30 AM	0	4	3	0	0	7	0	0	0	0	0	0	0	0	1	0	0	1	0	3	0	2	1	5	13
2:45 AM	0	6	3	0	0	9	0	0	0	0	0	0	0	0	1	2	0	3	0	3	0	2	0	5	17
Hourly Total	0	18	14	0	0	32	0	0	0	0	0	0	0	0	10	4	0	14	0	8	0	5	1	13	59
3:00 AM	0	9	8	0	0	17	0	0	0	0	0	0	0	0	6	4	0	10	0	1	0	2	0	3	30
3:15 AM	0	13	3	0	0	16	0	0	0	0	0	0	0	0	5	1	0	6	0	0	0	2	2	2	24
3:30 AM	0	12	8	0	0	20	0	0	0	0	0	0	0	0	8	1	0	9	0	1	0	1	0	2	31
3:45 AM	0	21	4	0	0	25	0	0	0	0	0	0	0	0	7	1	0	8	0	1	0	2	0	3	36
Hourly Total	0	55	23	0	0	78	0	0	0	0	0	0	0	0	26	7	0	33	0	3	0	7	2	10	121
4:00 AM	0	21	5	0	0	26	0	0	0	0	0	0	0	0	3	3	0	6	0	0	0	4	0	4	36
4:15 AM	0	30	12	0	0	42	0	0	0	0	0	0	0	0	5	8	0	13	0	2	0	4	0	6	61
4:30 AM	0	35	20	0	0	55	0	0	0	0	0	0	0	0	10	6	0	16	0	5	1	4	0	10	81
4:45 AM	0	23	26	0	0	49	0	0	0	0	0	0	0	0	5	5	0	10	0	3	0	8	0	11	70
Hourly Total	0	109	63	0	0	172	0	0	0	0	0	0	0	0	23	22	0	45	0	10	1	20	0	31	248
5:00 AM	0	48	14	0	0	62	0	0	0	0	0	0	0	0	4	9	0	13	0	5	0	8	1	13	88
5:15 AM	0	102	38	0	0	140	0	0	0	0	0	0	0	0	13	14	0	27	0	11	0	21	0	32	199
5:30 AM	0	115	64	0	0	179	0	0	0	0	0	0	0	0	26	7	0	33	0	9	0	22	0	31	243
5:45 AM	0	93	56	0	0	149	0	0	0	0	1	0	0	0	33	9	0	42	0	16	0	36	0	52	243
Hourly Total	0	358	172	0	0	530	0	0	0	0	1	0	0	0	76	39	0	115	0	41	0	87	1	128	773
6:00 AM	0	103	60	0	0	163	0	0	0	0	0	0	0	0	53	34	0	87	0	10	0	21	0	31	281
6:15 AM	0	131	85	0	0	216	0	0	0	0	1	0	0	0	36	25	0	61	0	23	0	32	0	55	332
6:30 AM	0	130	114	0	0	244	0	0	0	0	1	0	0	0	37	25	0	62	0	22	0	48	0	70	376
6:45 AM	0	130	144	0	0	274	0	0	0	0	2	0	0	0	59	17	0	76	0	34	0	60	1	94	444
Hourly Total	0	494	403	0	0	897	0	0	0	0	4	0	0	0	185	101	0	286	0	89	0	161	1	250	1433
7:00 AM	0	115	89	0	0	204	0	0	0	0	1	0	0	0	69	23	0	92	0	20	0	36	0	56	352
7:15 AM	0	122	114	0	0	236	0	0	0	0	0	0	0	0	69	33	0	102	0	24	0	32	1	56	394
7:30 AM	0	132	96	0	0	228	0	0	0	0	0	0	0	0	60	30	0	90	0	21	0	38	0	59	377
7:45 AM	0	108	156	0	0	264	0	0	0	0	0	0	0	0	62	18	0	80	0	27	0	32	1	59	403
Hourly Total	0	477	455	0	0	932	0	0	0	0	1	0	0	0	260	104	0	364	0	92	0	138	2	230	1526

TMC 2425 - CSAH 7 @ EB US 10
Anoka MN
Tuesday, July 9, 2024

Time	Southbound CSAH 7						Westbound 0						Northbound CSAH 7						Eastbound T.H. 10						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	94	109	0	0	203	0	0	0	0	0	0	0	0	53	28	0	81	0	26	0	32	1	58	342
8:15 AM	0	80	113	0	0	193	0	0	0	0	0	0	0	0	68	16	0	84	0	24	0	26	1	50	327
8:30 AM	0	90	82	0	0	172	0	0	0	0	0	0	0	0	62	40	0	102	0	17	0	26	2	43	317
8:45 AM	2	70	99	0	0	171	0	0	0	0	0	0	0	0	65	22	0	87	0	24	0	27	0	51	309
Hourly Total	2	334	403	0	0	739	0	0	0	0	0	0	0	0	248	106	0	354	0	91	0	111	4	202	1295
9:00 AM	0	65	82	0	0	147	0	0	0	0	0	0	0	0	70	27	0	97	0	29	1	13	0	43	287
9:15 AM	0	57	75	0	0	132	0	0	0	0	2	0	0	0	55	21	0	76	0	27	1	25	0	53	261
9:30 AM	0	53	82	0	0	135	0	0	0	0	3	0	0	0	64	19	0	83	0	32	0	18	0	50	268
9:45 AM	0	58	93	0	0	151	0	0	0	0	3	0	0	0	67	27	0	94	0	31	0	24	0	55	300
Hourly Total	0	233	332	0	0	565	0	0	0	0	8	0	0	0	256	94	0	350	0	119	2	80	0	201	1116
10:00 AM	0	49	70	0	0	119	0	0	0	0	0	0	0	0	68	27	0	95	0	26	2	16	0	44	258
10:15 AM	0	59	97	0	0	156	0	0	0	0	0	0	0	0	62	21	0	83	0	23	0	11	0	34	273
10:30 AM	1	55	76	0	0	132	0	0	0	0	0	0	0	0	87	25	0	112	0	24	0	21	0	45	289
10:45 AM	0	70	95	0	0	165	0	0	0	0	0	0	0	0	87	24	0	111	0	21	0	17	1	38	314
Hourly Total	1	233	338	0	0	572	0	0	0	0	0	0	0	0	304	97	0	401	0	94	2	65	1	161	1134
11:00 AM	0	62	92	0	0	154	0	0	0	0	1	0	0	0	86	26	0	112	0	21	0	13	2	34	300
11:15 AM	0	62	101	0	0	163	0	0	0	0	5	0	0	0	84	37	0	121	0	30	0	22	1	52	336
11:30 AM	0	52	89	0	0	141	0	0	0	0	2	0	0	0	84	33	0	117	0	37	0	17	0	54	312
11:45 AM	0	51	111	0	0	162	0	0	0	0	1	0	0	0	88	41	0	129	0	25	0	28	0	53	344
Hourly Total	0	227	393	0	0	620	0	0	0	0	9	0	0	0	342	137	0	479	0	113	0	80	3	193	1292
12:00 PM	0	59	104	0	0	163	0	0	0	0	0	0	0	0	87	41	0	128	0	33	1	12	0	46	337
12:15 PM	0	54	89	0	0	143	0	0	0	0	0	0	0	0	95	50	0	145	0	34	0	16	0	50	338
12:30 PM	0	50	70	0	0	120	0	0	0	0	0	0	0	0	92	33	0	125	0	24	1	33	1	58	303
12:45 PM	0	54	105	0	0	159	0	0	0	0	0	0	0	0	83	31	0	114	0	32	0	23	0	55	328
Hourly Total	0	217	368	0	0	585	0	0	0	0	0	0	0	0	357	155	0	512	0	123	2	84	1	209	1306
1:00 PM	0	47	97	0	0	144	0	0	0	0	0	0	0	0	83	41	0	124	0	47	1	21	0	69	337
1:15 PM	0	57	78	0	0	135	0	0	0	0	2	0	0	0	85	30	0	115	0	37	1	21	1	59	309
1:30 PM	0	51	93	0	0	144	0	0	0	0	0	0	0	0	87	40	0	127	0	26	0	20	0	46	317
1:45 PM	0	50	89	0	0	139	0	0	0	0	3	0	0	0	114	32	0	146	0	42	0	17	0	59	344
Hourly Total	0	205	357	0	0	562	0	0	0	0	5	0	0	0	369	143	0	512	0	152	2	79	1	233	1307
2:00 PM	0	59	82	0	0	141	0	0	0	0	1	0	0	0	129	41	0	170	0	43	0	22	2	65	376
2:15 PM	0	56	95	0	0	151	0	0	0	0	1	0	0	0	79	46	0	125	0	36	0	26	1	62	338
2:30 PM	2	55	118	0	0	175	0	0	0	0	0	0	0	0	114	48	0	162	0	58	1	20	0	79	416
2:45 PM	0	69	86	0	0	155	0	0	0	0	0	0	0	0	121	46	0	167	0	28	0	27	0	55	377
Hourly Total	2	239	381	0	0	622	0	0	0	0	2	0	0	0	443	181	0	624	0	165	1	95	3	261	1507
3:00 PM	0	70	95	0	0	165	0	0	0	0	0	0	0	0	198	61	0	259	0	47	0	20	0	67	491
3:15 PM	0	56	98	0	0	154	0	0	0	0	0	0	0	0	145	34	0	179	0	54	0	14	0	68	401
3:30 PM	0	49	106	0	0	155	0	0	0	0	0	0	0	0	158	49	0	207	0	47	0	20	1	67	429
3:45 PM	0	66	110	0	0	176	0	0	0	0	0	0	0	0	173	40	0	213	0	52	0	14	0	66	455
Hourly Total	0	241	409	0	0	650	0	0	0	0	0	0	0	0	674	184	0	858	0	200	0	68	1	268	1776

**TMC 2425 - CSAH 7 @ EB US 10
Anoka MN
Tuesday, July 9, 2024**

Time	Southbound CSAH 7						Westbound 0						Northbound CSAH 7						Eastbound T.H. 10						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	1	68	91	0	0	160	0	0	0	0	0	0	0	0	173	60	0	233	0	45	0	16	0	61	454
4:15 PM	0	55	74	0	0	129	0	0	0	0	0	0	0	0	146	50	0	196	0	56	0	16	0	72	397
4:30 PM	0	67	89	0	0	156	0	0	0	0	1	0	0	0	166	74	0	240	0	77	0	23	1	100	496
4:45 PM	1	69	95	0	0	165	0	0	0	0	1	0	0	0	153	47	0	200	0	56	0	20	2	76	441
Hourly Total	2	259	349	0	0	610	0	0	0	0	2	0	0	0	638	231	0	869	0	234	0	75	3	309	1788
5:00 PM	0	76	84	0	0	160	0	0	0	0	0	0	0	0	142	37	0	179	0	62	0	20	0	82	421
5:15 PM	0	67	107	0	0	174	0	0	0	0	0	0	0	0	143	43	0	186	0	48	0	28	0	76	436
5:30 PM	1	57	101	0	0	159	0	0	0	0	1	0	0	0	115	36	0	151	0	54	0	14	0	68	378
5:45 PM	1	39	115	0	0	155	0	0	0	0	0	0	0	0	109	21	0	130	0	52	0	18	2	70	355
Hourly Total	2	239	407	0	0	648	0	0	0	0	1	0	0	0	509	137	0	646	0	216	0	80	2	296	1590
6:00 PM	1	48	70	0	0	119	0	0	0	0	2	0	0	0	123	36	0	159	0	52	0	24	1	76	354
6:15 PM	0	58	110	0	0	168	0	0	0	0	0	0	0	0	94	23	0	117	0	53	0	20	2	73	358
6:30 PM	1	44	98	0	0	143	0	0	0	0	1	0	0	0	79	17	1	96	0	39	1	21	2	61	300
6:45 PM	0	24	77	0	0	101	0	0	0	0	0	0	0	0	71	15	0	86	0	28	1	16	2	45	232
Hourly Total	2	174	355	0	0	531	0	0	0	0	3	0	0	0	367	91	1	458	0	172	2	81	7	255	1244
7:00 PM	0	39	54	0	0	93	0	0	0	0	0	0	0	0	94	25	0	119	0	33	0	8	1	41	253
7:15 PM	0	40	60	0	0	100	0	0	0	0	4	0	0	0	97	25	1	122	0	25	0	12	3	37	259
7:30 PM	1	37	47	0	0	85	0	0	0	0	0	0	0	0	78	14	0	92	0	33	2	14	0	49	226
7:45 PM	0	34	67	0	0	101	0	0	0	0	3	0	0	0	45	17	0	62	0	36	0	11	0	47	210
Hourly Total	1	150	228	0	0	379	0	0	0	0	7	0	0	0	314	81	1	395	0	127	2	45	4	174	948
8:00 PM	0	41	64	0	0	105	0	0	0	0	0	0	0	0	66	15	0	81	0	39	0	9	1	48	234
8:15 PM	0	27	52	0	0	79	0	0	0	0	1	0	0	0	51	11	0	62	0	29	1	6	0	36	177
8:30 PM	0	29	29	0	0	58	0	0	0	0	0	0	0	0	32	10	0	42	0	25	0	6	1	31	131
8:45 PM	0	20	29	0	0	49	0	0	0	0	0	0	0	0	49	11	0	60	0	25	0	3	0	28	137
Hourly Total	0	117	174	0	0	291	0	0	0	0	1	0	0	0	198	47	0	245	0	118	1	24	2	143	679
9:00 PM	0	24	30	0	0	54	0	0	0	0	0	0	0	0	42	12	0	54	0	23	0	7	0	30	138
9:15 PM	0	30	47	0	0	77	0	0	0	0	0	0	0	0	41	11	0	52	0	33	0	8	0	41	170
9:30 PM	0	25	34	0	0	59	0	0	0	0	1	0	0	0	33	3	0	36	0	19	0	3	0	22	117
9:45 PM	0	18	31	0	0	49	0	0	0	0	0	0	0	0	32	8	0	40	0	20	0	2	0	22	111
Hourly Total	0	97	142	0	0	239	0	0	0	0	1	0	0	0	148	34	0	182	0	95	0	20	0	115	536
10:00 PM	0	28	23	0	0	51	0	0	0	0	0	0	0	0	32	19	0	51	0	17	0	4	0	21	123
10:15 PM	0	25	24	0	0	49	0	0	0	0	0	0	0	0	28	6	0	34	0	17	0	7	0	24	107
10:30 PM	0	8	18	0	0	26	0	0	0	0	0	0	0	0	26	6	0	32	0	12	0	2	0	14	72
10:45 PM	0	16	26	0	0	42	0	0	0	0	0	0	0	0	23	5	0	28	0	7	0	5	0	12	82
Hourly Total	0	77	91	0	0	168	0	0	0	0	0	0	0	0	109	36	0	145	0	53	0	18	0	71	384
11:00 PM	0	17	22	0	0	39	0	0	0	0	0	0	0	0	36	20	0	56	0	11	0	1	0	12	107
11:15 PM	0	17	14	0	0	31	0	0	0	0	0	0	0	0	20	4	0	24	0	8	0	3	0	11	66
11:30 PM	1	15	17	0	0	33	0	0	0	0	0	0	0	0	25	4	0	29	0	3	0	3	0	6	68
11:45 PM	0	11	9	0	0	20	0	0	0	0	0	0	0	0	17	3	0	20	0	7	0	2	0	9	49
Hourly Total	1	60	62	0	0	123	0	0	0	0	0	0	0	0	98	31	0	129	0	29	0	9	0	38	290
DAILY TOTAL	13	4649	5972	0	0	10634	0	0	0	0	45	0	0	0	6010	2077	2	8087	0	2374	15	1439	42	3828	22549
Cars	13	4521	5896	0	0	10430	0	0	0	0	15	0	0	0	5935	2051	0	7986	0	2302	13	1410	20	3725	22141
Heavy Vehicles	0	128	76	0	0	204	0	0	0	0	30	0	0	0	75	26	2	101	0	72	2	29	22	103	408
Heavy Vehicle %	0.00%	2.75%	1.27%	0.00%	0.00%	1.92%	0.00%	0.00%	0.00%	0.00%	66.67%	0.00%	0.00%	0.00%	1.25%	1.25%	100.00%	1.25%	0.00%	3.03%	13.33%	2.02%	52.38%	2.69%	1.81%

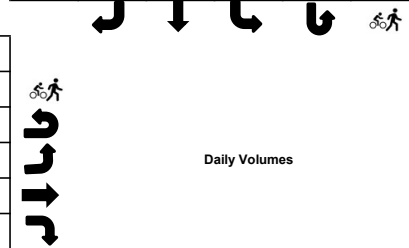
TMC 2425 - CSAH 7 @ EB US 10
Anoka MN
Tuesday, July 9, 2024
AM Peak Hour

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	
6:45 AM	0	130	144	0	0	274	0	0	0	0	2	0	0	0	59	17	0	76	0	34	0	60	1	94	444
7:00 AM	0	115	89	0	0	204	0	0	0	0	1	0	0	0	69	23	0	92	0	20	0	36	0	56	352
7:15 AM	0	122	114	0	0	236	0	0	0	0	0	0	0	0	69	33	0	102	0	24	0	32	1	56	394
7:30 AM	0	132	96	0	0	228	0	0	0	0	0	0	0	0	60	30	0	90	0	21	0	38	0	59	377
Peak Hour Total	0	499	443	0	0	942	0	0	0	0	3	0	0	0	257	103	0	360	0	99	0	166	2	265	1567
PHF	0.000	0.945	0.769	0.000	0.000	0.859	0.000	0.000	0.000	0.000	0.375	0.000	0.000	0.000	0.931	0.780	0.000	0.882	0.000	0.728	0.000	0.692	0.500	0.705	0.882

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	66	110	0	0	176	0	0	0	0	0	0	0	0	173	40	0	213	0	52	0	14	0	66	455
4:00 PM	1	68	91	0	0	160	0	0	0	0	0	0	0	0	173	60	0	233	0	45	0	16	0	61	454
4:15 PM	0	55	74	0	0	129	0	0	0	0	0	0	0	0	146	50	0	196	0	56	0	16	0	72	397
4:30 PM	0	67	89	0	0	156	0	0	0	0	1	0	0	0	166	74	0	240	0	77	0	23	1	100	496
Peak Hour Total	1	256	364	0	0	621	0	0	0	0	1	0	0	0	658	224	0	882	0	230	0	69	1	299	1802
PHF	0.250	0.941	0.827	0.000	0.000	0.882	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.951	0.757	0.000	0.919	0.000	0.747	0.000	0.750	0.250	0.748	0.908

Total Vehicles On Leg		19031	
Vehicles Entering Intersection	10634	Vehicles Exiting Intersection	8397
Southbound			
Cars	0	5896	4521
Heavy	0	76	128
Total	0	5972	4649



Total Vehicles on Leg 3828	Vehicles Entering Intersection 3828	Eastbound	Cars	Heavy	Total	
			20	22	42	
	0		0	0		
	Vehicles Exiting Intersection 0		2302	72	2374	
	13		2	15		
1410	29	1439				

Cars	Heavy	Total	Westbound	 	Vehicles Entering Intersection 0	Total Vehicles on Leg 6741
0	0	0				
0	0	0				
0	0	0				
Vehicles Exiting Intersection 6741	15	30				

Cars	0	0	0	5935	2051
Heavy	2	0	0	75	26
Total	2	0	0	6010	2077
Northbound					
Vehicles Entering Intersection	8087		Vehicles Exiting Intersection	7411	
Total Vehicles On Leg			15498		

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2425

Study Date : 07/16/2024

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 7

Number of Lanes : 2+

Total Approach Volume: 8,087

Southbound: CSAH 7

Number of Lanes :2+

Total Approach Volume: 10,634

Minor Street Approaches

Eastbound: T.H. 10

Number of Lanes :1

Total Approach Volume: 3,828

Westbound: T.H. 10

Number of Lanes :1

Total Approach Volume: 0

Warrant Summary (Urban Values Apply)

Warrant 1 - Eight Hour Vehicular Volumes.....Satisfied

Warrant 1A - Minimum Vehicular Volume.....Satisfied

Required volumes reached for 15 hours, 8 are needed

Warrant 1B - Interruption of Continuous Traffic.....Satisfied

Required volumes reached for 13 hours, 8 are needed

Warrant 1C - Combination of Warrants.....Satisfied

Required 1A volumes reached for 16 hours, 8 are needed

Required 1B volumes reached for 15 hours, 8 are needed

Warrant 2 - Four Hour Volumes.....Satisfied

Number of hours (13) volumes exceed minimum >= minimum required (4).

Warrant 3 - Peak Hour.....Satisfied

Warrant 3A - Peak Hour Delay.....Satisfied

Number of one hour periods (58) volumes exceed minimum >= required (1). Delay data not evaluated.

Warrant 3B - Peak Hour Volumes.....Satisfied

Volumes exceed minimums for at least 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 2425

Study Date : 07/16/2024

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

15 one hour periods meet minimums.
Warrant IS 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 Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
15:30 - 16:30	849	+	620	=	1469	266	0	Yes
16:30 - 17:30	805	+	655	=	1460	334	0	Yes
14:30 - 15:30	767	+	649	=	1416	269	0	Yes
06:30 - 07:30	332	+	958	=	1290	276	0	Yes
07:30 - 08:30	335	+	888	=	1223	226	0	Yes
17:30 - 18:30	557	+	601	=	1158	287	0	Yes
13:30 - 14:30	568	+	575	=	1143	232	0	Yes
11:30 - 12:30	519	+	609	=	1128	203	0	Yes
10:30 - 11:30	456	+	614	=	1070	169	0	Yes
12:30 - 13:30	478	+	558	=	1036	241	0	Yes
08:30 - 09:30	362	+	622	=	984	190	0	Yes
05:30 - 06:30	223	+	707	=	930	169	0	Yes
09:30 - 10:30	355	+	561	=	916	183	0	Yes
18:30 - 19:30	423	+	437	=	860	184	0	Yes
19:30 - 20:30	297	+	370	=	667	180	0	Yes
05:15 - 06:15	189	+	631	=	820	146	0	No
05:00 - 06:00	115	+	530	=	645	128	0	No
04:45 - 05:45	83	+	430	=	513	87	0	No
20:30 - 21:30	208	+	238	=	446	130	0	No
20:45 - 21:45	202	+	239	=	441	121	0	No
21:00 - 22:00	182	+	239	=	421	115	0	No
21:15 - 22:15	179	+	236	=	415	106	0	No
04:30 - 05:30	66	+	306	=	372	66	0	No
21:30 - 22:30	161	+	208	=	369	89	0	No
21:45 - 22:45	157		175		332	81	0	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2425

Study Date : 07/16/2024

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

13 one hour periods meet minimums.
Warrant IS 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 NB	+	Major SB	=		Minor EB	Minor WB	
15:30 - 16:30	849	+	620	=	1469	266	0	Yes
16:30 - 17:30	805	+	655	=	1460	334	0	Yes
14:30 - 15:30	767	+	649	=	1416	269	0	Yes
06:30 - 07:30	332	+	958	=	1290	276	0	Yes
07:30 - 08:30	335	+	888	=	1223	226	0	Yes
17:30 - 18:30	557	+	601	=	1158	287	0	Yes
13:30 - 14:30	568	+	575	=	1143	232	0	Yes
11:30 - 12:30	519	+	609	=	1128	203	0	Yes
10:30 - 11:30	456	+	614	=	1070	169	0	Yes
12:30 - 13:30	478	+	558	=	1036	241	0	Yes
08:30 - 09:30	362	+	622	=	984	190	0	Yes
05:30 - 06:30	223	+	707	=	930	169	0	Yes
09:30 - 10:30	355	+	561	=	916	183	0	Yes
18:30 - 19:30	423	+	437	=	860	184	0	No
05:15 - 06:15	189	+	631	=	820	146	0	No
18:45 - 19:45	419	+	379	=	798	172	0	No
19:00 - 20:00	395	+	379	=	774	174	0	No
19:15 - 20:15	357	+	391	=	748	181	0	No
19:30 - 20:30	297	+	370	=	667	180	0	No
05:00 - 06:00	115	+	530	=	645	128	0	No
19:45 - 20:45	247	+	343	=	590	162	0	No
20:00 - 21:00	245	+	291	=	536	143	0	No
04:45 - 05:45	83	+	430	=	513	87	0	No
20:15 - 21:15	218	+	240	=	458	125	0	No
20:30 - 21:30	208		238		446	130	0	No

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2425

Study Date : 07/16/2024

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

16 hours meet 1A minimums.
15 hours meet 1B minimums.
Warrant IS 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 7

Minor Road T.H. 10

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
15:00 - 16:00	858	+	650	=	1508	268	0	Yes
16:00 - 17:00	869	+	610	=	1479	309	0	Yes
07:00 - 08:00	364	+	932	=	1296	230	0	Yes
17:00 - 18:00	646	+	648	=	1294	296	0	Yes
14:00 - 15:00	624	+	622	=	1246	261	0	Yes
06:00 - 07:00	286	+	897	=	1183	250	0	Yes
11:00 - 12:00	479	+	620	=	1099	193	0	Yes
12:00 - 13:00	512	+	585	=	1097	209	0	Yes
08:00 - 09:00	354	+	739	=	1093	202	0	Yes
13:00 - 14:00	512	+	562	=	1074	233	0	Yes
18:00 - 19:00	458	+	531	=	989	255	0	Yes
10:00 - 11:00	401		572		973	161	0	Yes

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
15:15 - 16:15	832	+	645	=	1477	262	0	Yes
16:15 - 17:15	815	+	610	=	1425	330	0	Yes
14:15 - 15:15	713	+	646	=	1359	263	0	Yes
07:15 - 08:15	353	+	931	=	1284	232	0	Yes
17:15 - 18:15	626	+	607	=	1233	290	0	Yes
06:15 - 07:15	291	+	938	=	1229	275	0	Yes
11:15 - 12:15	495	+	629	=	1124	205	0	Yes
13:15 - 14:15	558	+	559	=	1117	229	0	Yes
12:15 - 13:15	508	+	566	=	1074	232	0	Yes
08:15 - 09:15	370	+	683	=	1053	187	0	Yes
10:15 - 11:15	418	+	607	=	1025	151	0	Yes
18:15 - 19:15	418		505		923	220	0	Yes

ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2425

Study Date : 07/16/2024

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.

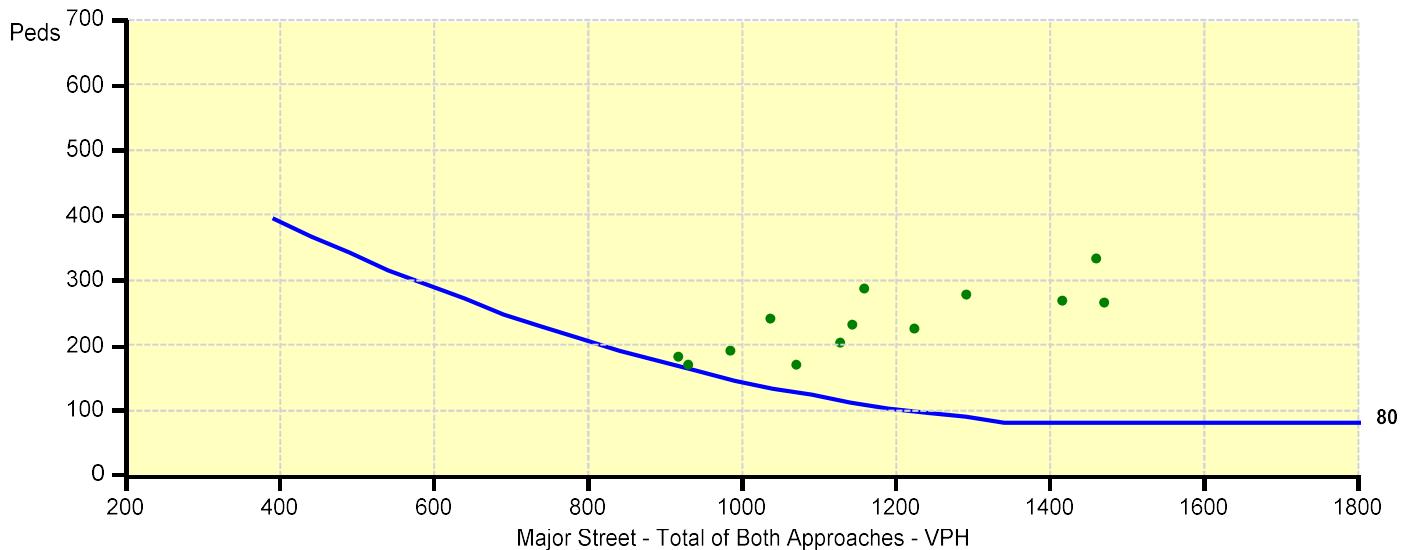
Summary

13 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Time	Major Road CSAH 7				Total	Minor Road T.H. 10		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
15:30 - 16:30	849	+	620	=	1469	266	0	Yes
16:30 - 17:30	805	+	655	=	1460	334	0	Yes
14:30 - 15:30	767	+	649	=	1416	269	0	Yes
06:30 - 07:30	332	+	958	=	1290	276	0	Yes
07:30 - 08:30	335	+	888	=	1223	226	0	Yes
17:30 - 18:30	557	+	601	=	1158	287	0	Yes
13:30 - 14:30	568	+	575	=	1143	232	0	Yes
11:30 - 12:30	519	+	609	=	1128	203	0	Yes
10:30 - 11:30	456	+	614	=	1070	169	0	Yes
12:30 - 13:30	478	+	558	=	1036	241	0	Yes
08:30 - 09:30	362	+	622	=	984	190	0	Yes
05:30 - 06:30	223		707		930	169	0	Yes



ANOKA COUNTY HIGHWAY

PC - WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2425

Study Date : 07/16/2024

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

25 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Time	Major Road CSAH 7				Total	Minor Road T.H. 10		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
15:00 - 16:00	858	+	650	=	1508	268	0	Yes
15:45 - 16:45	882	+	621	=	1503	299	0	Yes
16:00 - 17:00	869	+	610	=	1479	309	0	Yes
15:15 - 16:15	832	+	645	=	1477	262	0	Yes
15:30 - 16:30	849	+	620	=	1469	266	0	Yes
16:30 - 17:30	805	+	655	=	1460	334	0	Yes
14:45 - 15:45	812	+	629	=	1441	257	0	Yes
16:15 - 17:15	815	+	610	=	1425	330	0	Yes
14:30 - 15:30	767	+	649	=	1416	269	0	Yes
16:45 - 17:45	716	+	658	=	1374	302	0	Yes
14:15 - 15:15	713	+	646	=	1359	263	0	Yes
06:45 - 07:45	360		942		1302	265	0	Yes

