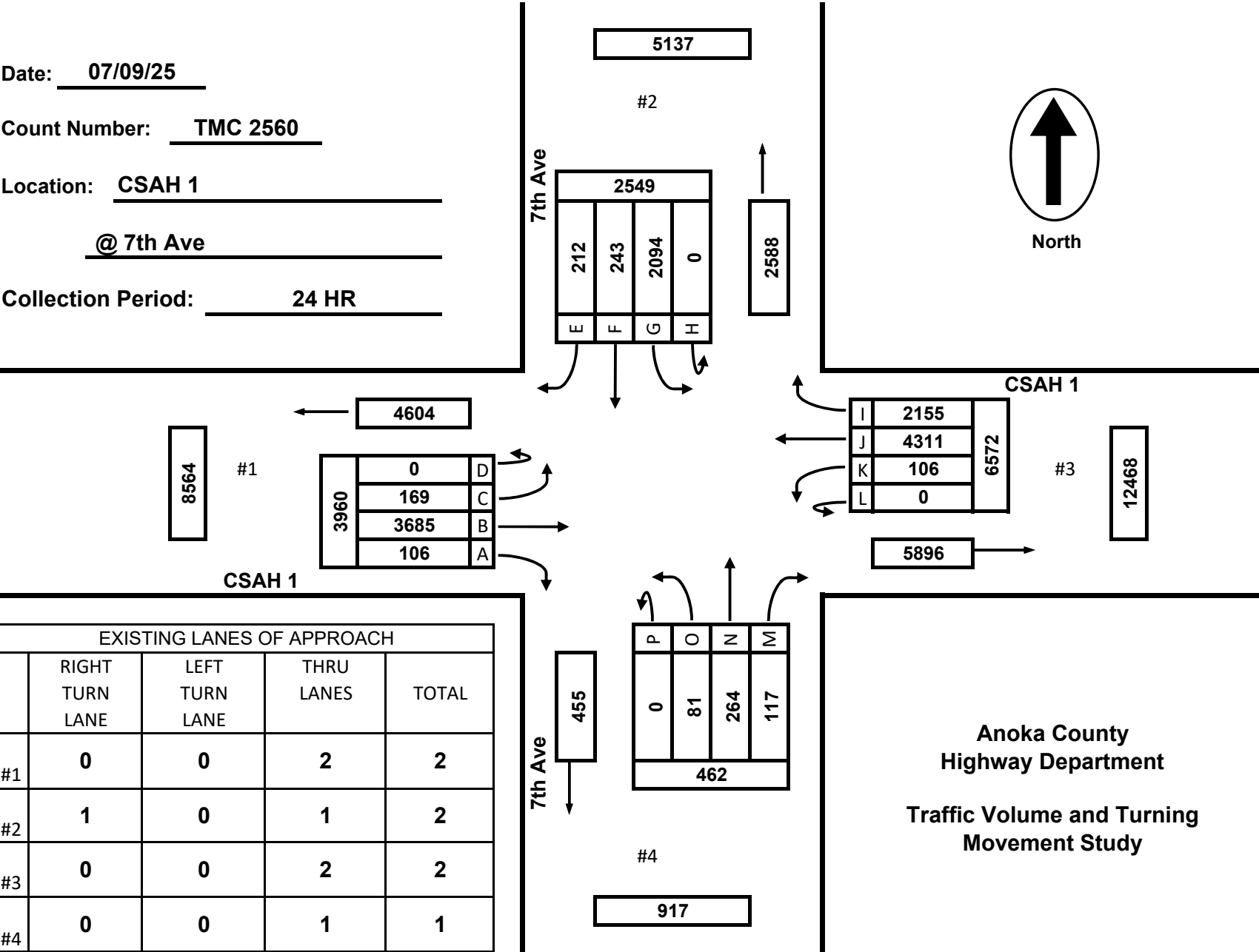
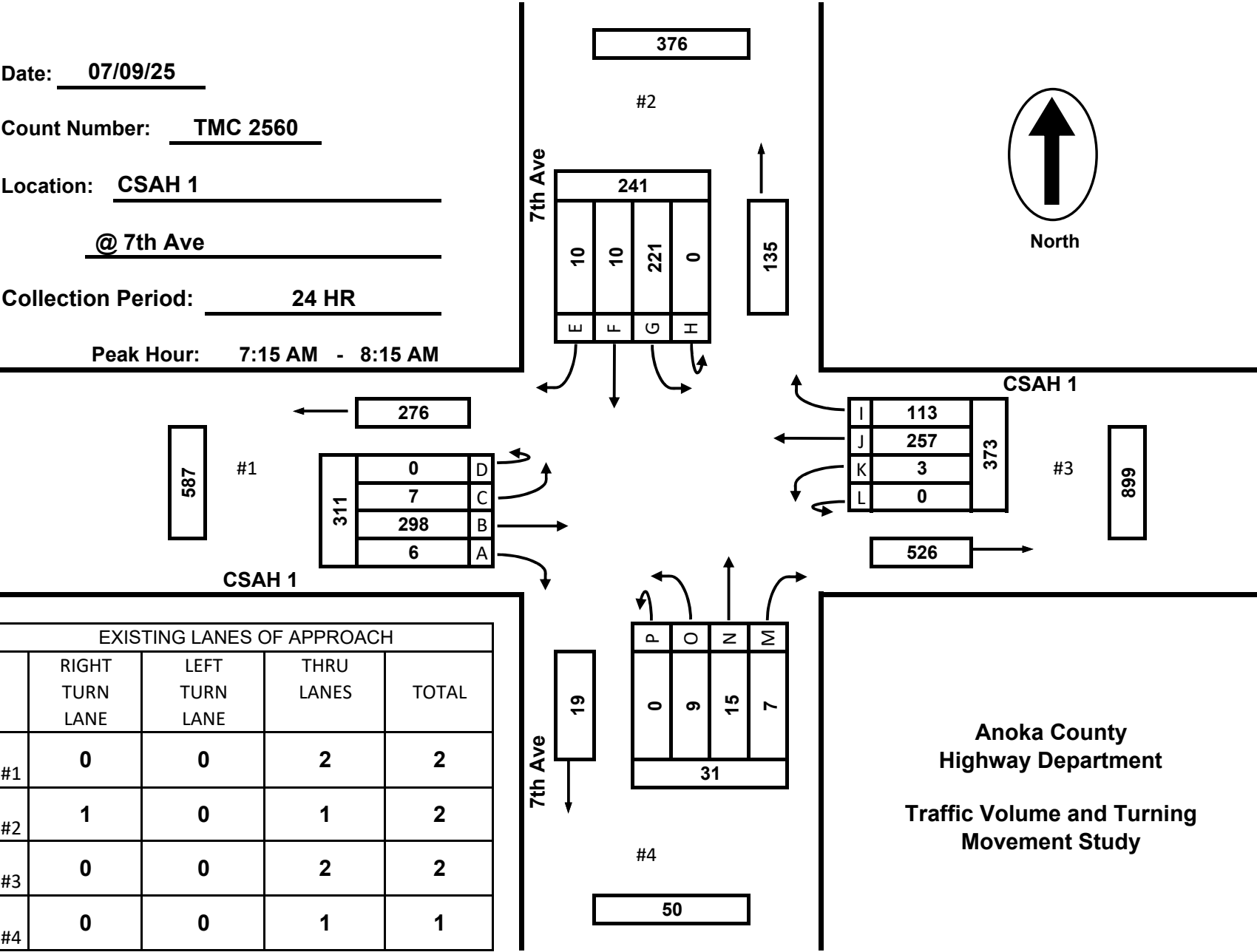


Date: 07/09/25
Count Number: TMC 2560
Location: CSAH 1
@ 7th Ave
Collection Period: 24 HR



Date: 07/09/25
 Count Number: TMC 2560
 Location: CSAH 1
@ 7th Ave
 Collection Period: 24 HR
 Peak Hour: 7:15 AM - 8:15 AM



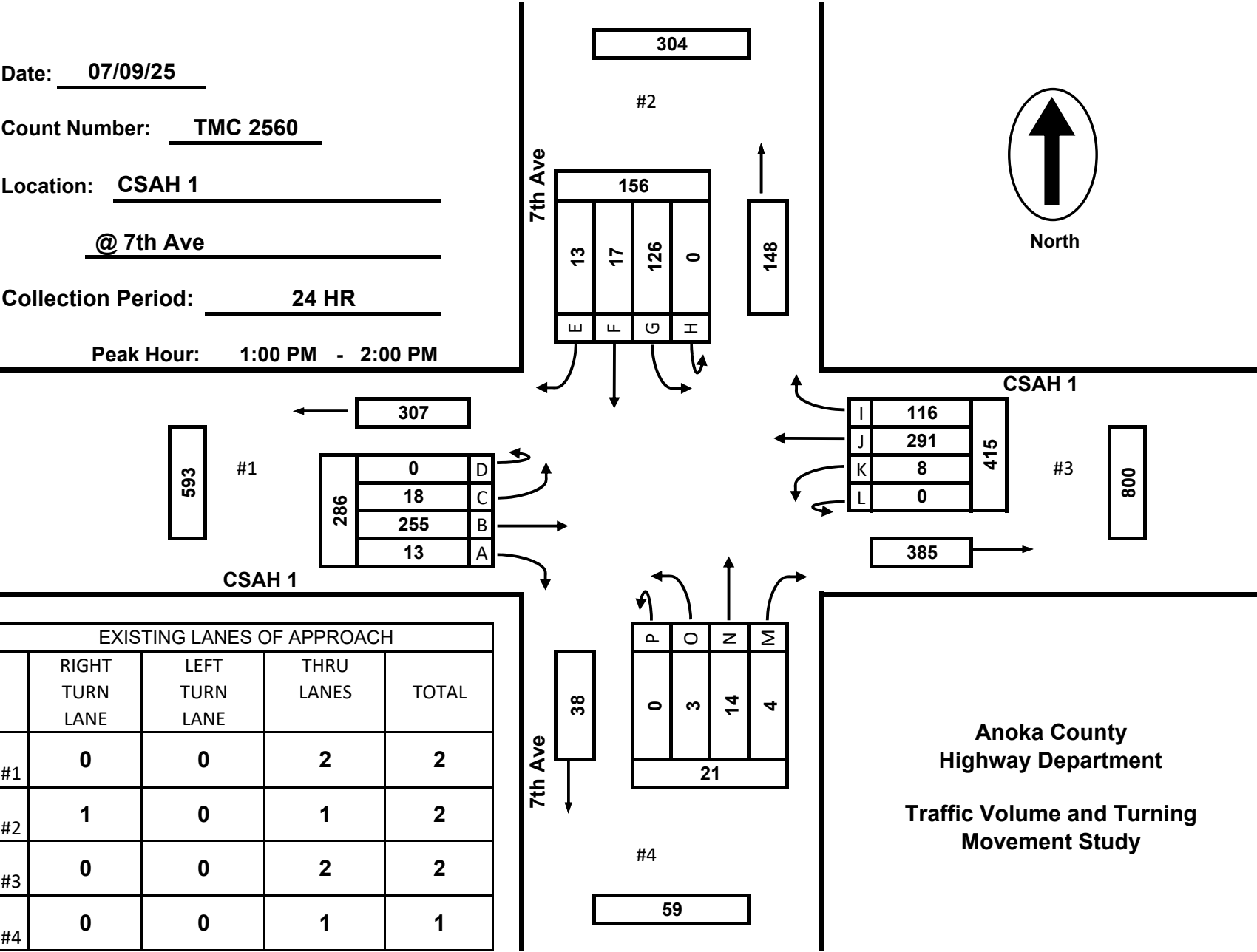
Date: 07/09/25

Count Number: TMC 2560

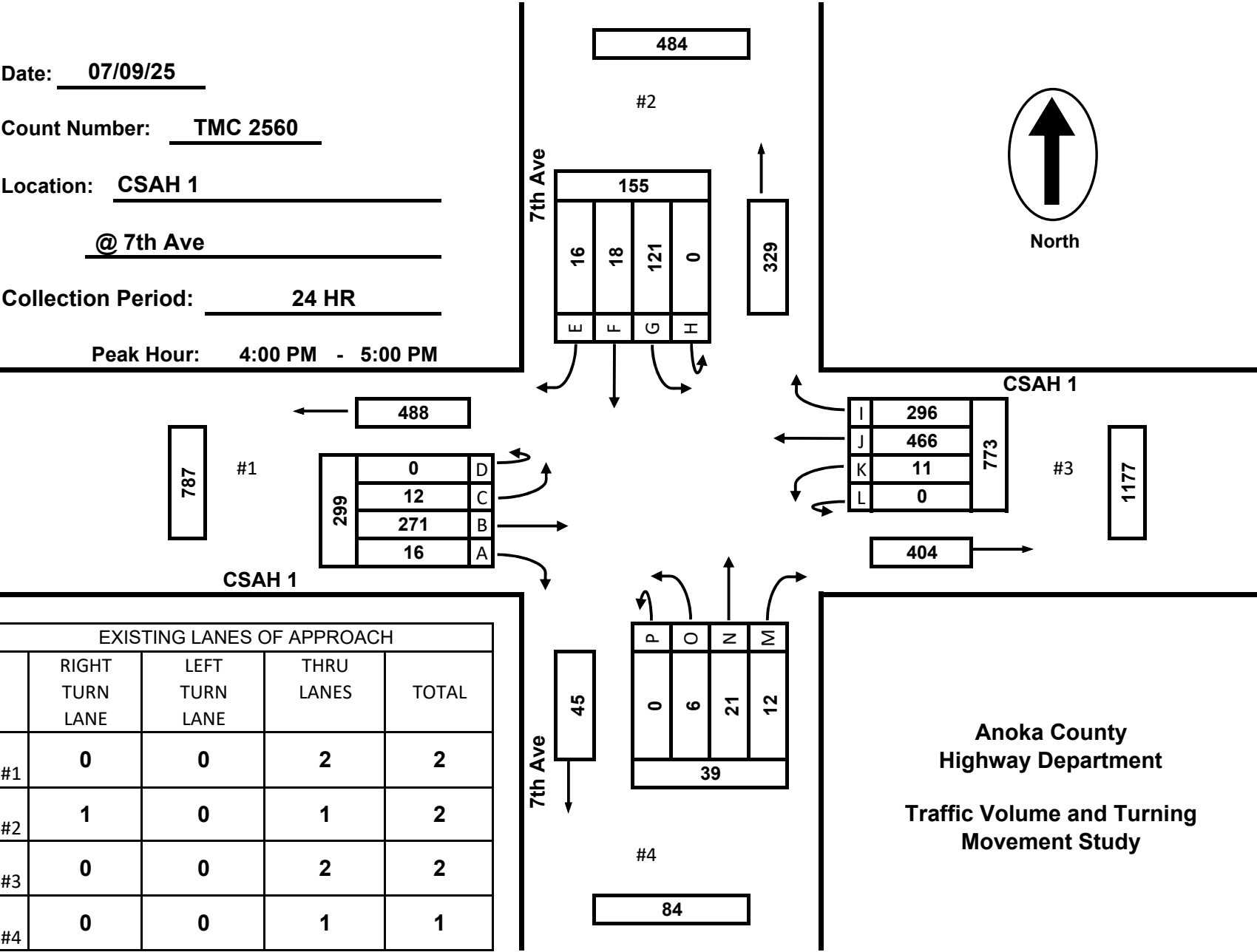
Location: CSAH 1
@ 7th Ave

Collection Period: 24 HR

Peak Hour: 1:00 PM - 2:00 PM



Date: 07/09/25
 Count Number: TMC 2560
 Location: CSAH 1
@ 7th Ave
 Collection Period: 24 HR
 Peak Hour: 4:00 PM - 5:00 PM



**TMC 2560 - CSAH 1 @ 7th Ave
Anoka MN
Wednesday, July 9, 2025**

Time	Southbound 7th Ave						Westbound CSAH 1						Northbound 7th Ave						Eastbound CSAH 1						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	2	2	1	0	5	0	0	7	4	0	11	0	0	0	0	0	0	0	0	3	0	0	3	19
12:15 AM	0	1	0	0	0	1	0	0	7	5	0	12	0	0	0	0	0	0	0	0	7	1	0	8	21
12:30 AM	0	2	1	0	0	3	0	1	3	3	0	7	0	1	1	0	0	0	2	0	0	2	0	2	14
12:45 AM	0	2	0	0	0	2	0	0	5	0	0	5	0	0	0	0	0	0	0	0	2	0	0	2	9
Hourly Total	0	7	3	1	0	11	0	1	22	12	0	35	0	1	1	0	0	2	0	0	14	1	0	15	63
1:00 AM	0	0	0	0	0	0	0	0	5	2	0	7	0	0	0	0	0	0	0	0	7	0	0	7	14
1:15 AM	0	2	0	0	0	2	0	0	3	3	0	6	0	0	1	0	0	1	0	0	3	0	0	3	12
1:30 AM	0	1	0	0	0	1	0	0	4	3	0	7	0	0	0	0	0	0	0	0	9	0	0	9	17
1:45 AM	0	1	0	1	0	2	0	0	3	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	8
Hourly Total	0	4	0	1	0	5	0	0	15	8	0	23	0	0	1	0	0	1	0	0	22	0	0	22	51
2:00 AM	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	4
2:15 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	4
2:30 AM	0	2	0	0	0	2	0	0	3	0	0	3	0	0	0	0	0	0	0	0	4	1	0	5	10
2:45 AM	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	3	4
Hourly Total	0	3	0	0	0	3	0	1	5	0	0	6	0	0	0	0	0	0	0	0	12	1	0	13	22
3:00 AM	0	2	0	0	0	2	0	0	0	3	0	3	0	0	0	0	0	0	0	0	1	0	0	1	6
3:15 AM	0	1	0	0	0	1	0	0	6	1	0	7	0	0	0	0	0	0	0	0	2	0	0	2	10
3:30 AM	0	0	0	0	0	0	0	0	4	1	0	5	0	0	0	0	0	0	0	0	4	0	0	4	9
3:45 AM	0	2	0	0	1	2	0	0	3	0	0	3	0	0	1	0	0	1	0	0	3	0	0	3	9
Hourly Total	0	5	0	0	1	5	0	0	13	5	0	18	0	0	1	0	0	1	0	0	10	0	0	10	34
4:00 AM	0	1	0	0	0	1	0	0	4	0	0	4	0	0	1	0	0	1	0	0	6	0	0	6	12
4:15 AM	0	3	0	0	0	3	0	0	7	0	0	7	0	0	1	1	0	2	0	0	6	0	0	6	18
4:30 AM	0	7	0	1	0	8	0	0	10	1	0	11	0	0	0	0	0	0	0	1	4	0	0	5	24
4:45 AM	0	8	0	1	0	9	0	0	9	6	0	15	0	1	0	0	0	1	0	0	12	0	0	12	37
Hourly Total	0	19	0	2	0	21	0	0	30	7	0	37	0	1	2	1	0	4	0	1	28	0	0	29	91
5:00 AM	0	5	0	0	0	5	0	0	11	6	0	17	0	0	0	1	0	1	0	2	8	0	0	10	33
5:15 AM	0	5	0	0	0	5	0	0	27	2	0	29	0	0	0	1	0	1	0	2	12	0	0	14	49
5:30 AM	0	23	0	2	0	25	0	0	28	4	0	32	0	0	0	2	0	2	0	1	14	0	0	15	74
5:45 AM	0	20	0	1	0	21	0	0	20	7	0	27	0	0	1	2	0	3	0	0	26	1	0	27	78
Hourly Total	0	53	0	3	0	56	0	0	86	19	0	105	0	0	1	6	0	7	0	5	60	1	0	66	234
6:00 AM	0	17	0	0	0	17	0	1	19	8	0	28	0	0	0	2	0	2	0	1	28	0	0	29	76
6:15 AM	0	29	1	1	0	31	0	0	27	6	0	33	0	0	2	1	0	3	0	1	46	1	0	48	115
6:30 AM	0	57	2	0	0	59	0	0	32	7	0	39	0	0	4	0	0	4	0	1	72	0	0	73	175
6:45 AM	0	67	1	2	0	70	0	2	36	21	0	59	0	1	8	2	0	11	0	1	98	0	0	99	239
Hourly Total	0	170	4	3	0	177	0	3	114	42	0	159	0	1	14	5	0	20	0	4	244	1	0	249	605
7:00 AM	0	37	0	3	0	40	0	0	40	7	0	47	0	1	6	0	0	7	0	3	62	1	0	66	160
7:15 AM	0	42	1	2	0	45	0	1	48	12	0	61	0	2	5	0	0	7	0	2	68	1	0	71	184
7:30 AM	0	58	3	1	0	62	0	0	82	45	0	127	0	4	3	4	0	11	0	2	81	3	0	86	286
7:45 AM	0	77	2	2	0	81	0	2	68	39	1	109	0	1	5	1	0	7	0	1	73	0	0	74	271
Hourly Total	0	214	6	8	0	228	0	3	238	103	1	344	0	8	19	5	0	32	0	8	284	5	0	297	901

**TMC 2560 - CSAH 1 @ 7th Ave
Anoka MN
Wednesday, July 9, 2025**

Time	Southbound 7th Ave						Westbound CSAH 1						Northbound 7th Ave						Eastbound CSAH 1						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	44	4	5	0	53	0	0	59	17	0	76	0	2	2	2	0	6	0	2	76	2	0	80	215
8:15 AM	0	43	4	3	0	50	0	2	41	20	0	63	0	0	5	0	0	5	0	3	55	0	0	58	176
8:30 AM	0	37	0	1	0	38	0	0	43	21	0	64	0	2	3	6	0	11	0	0	50	0	0	50	163
8:45 AM	0	40	5	4	0	49	0	0	74	20	0	94	0	2	7	1	0	10	0	1	75	0	0	76	229
Hourly Total	0	164	13	13	0	190	0	2	217	78	0	297	0	6	17	9	0	32	0	6	256	2	0	264	783
9:00 AM	0	31	2	3	1	36	0	0	58	26	0	84	0	1	2	1	0	4	0	0	51	0	0	51	175
9:15 AM	0	35	2	5	1	42	0	3	61	23	0	87	0	2	5	2	1	9	0	3	40	1	0	44	182
9:30 AM	0	31	1	3	0	35	0	1	59	28	0	88	0	0	2	3	1	5	0	3	59	0	0	62	190
9:45 AM	0	32	2	2	0	36	0	0	46	15	0	61	0	1	4	1	0	6	0	2	46	4	0	52	155
Hourly Total	0	129	7	13	2	149	0	4	224	92	0	320	0	4	13	7	2	24	0	8	196	5	0	209	702
10:00 AM	0	24	8	2	2	34	0	1	58	27	1	86	0	3	5	4	0	12	0	2	54	3	0	59	191
10:15 AM	0	25	4	5	0	34	0	2	65	21	0	88	0	0	5	2	0	7	0	5	42	1	0	48	177
10:30 AM	0	28	3	2	0	33	0	3	53	25	0	81	0	3	4	2	0	9	0	3	52	1	1	56	179
10:45 AM	0	33	4	1	0	38	0	1	51	23	0	75	0	2	3	2	0	7	0	1	46	3	0	50	170
Hourly Total	0	110	19	10	2	139	0	7	227	96	1	330	0	8	17	10	0	35	0	11	194	8	1	213	717
11:00 AM	0	28	3	4	2	35	0	1	67	28	1	96	0	0	3	0	0	3	0	6	50	0	0	56	190
11:15 AM	0	20	3	7	0	30	0	5	56	28	0	89	0	1	3	5	1	9	0	4	42	3	0	49	177
11:30 AM	0	26	5	4	0	35	0	4	62	33	0	99	0	2	5	2	0	9	0	2	51	5	0	58	201
11:45 AM	0	34	5	3	0	42	0	3	66	39	2	108	0	0	5	1	0	6	0	6	48	1	0	55	211
Hourly Total	0	108	16	18	2	142	0	13	251	128	3	392	0	3	16	8	1	27	0	18	191	9	0	218	779
12:00 PM	0	29	4	3	2	36	0	1	69	26	0	96	0	3	9	1	2	13	0	2	57	0	2	59	204
12:15 PM	0	20	4	5	1	29	0	2	51	27	0	80	0	0	2	6	0	8	0	2	58	2	0	62	179
12:30 PM	0	27	4	5	0	36	0	2	61	29	0	92	0	1	7	4	1	12	0	4	62	0	0	66	206
12:45 PM	0	40	5	5	0	50	0	3	58	25	0	86	0	0	5	2	0	7	0	4	55	1	0	60	203
Hourly Total	0	116	17	18	3	151	0	8	239	107	0	354	0	4	23	13	3	40	0	12	232	3	2	247	792
1:00 PM	0	34	5	2	0	41	0	4	52	20	0	76	0	1	2	1	0	4	0	6	86	3	0	95	216
1:15 PM	0	38	4	1	0	43	0	2	74	24	0	100	0	1	5	1	0	7	0	2	52	2	0	56	206
1:30 PM	0	29	5	6	0	40	0	0	89	31	0	120	0	0	1	2	1	3	0	6	62	4	0	72	235
1:45 PM	0	25	3	4	2	32	0	2	76	41	0	119	0	1	6	0	0	7	0	4	55	4	0	63	221
Hourly Total	0	126	17	13	2	156	0	8	291	116	0	415	0	3	14	4	1	21	0	18	255	13	0	286	878
2:00 PM	0	21	6	1	0	28	0	1	72	53	0	126	0	2	1	2	0	5	0	2	75	1	0	78	237
2:15 PM	0	28	4	4	1	36	0	5	85	41	0	131	0	1	10	1	0	12	0	1	61	1	0	63	242
2:30 PM	0	45	7	2	1	54	0	3	84	52	0	139	0	1	6	0	0	7	0	5	61	4	1	70	270
2:45 PM	0	27	8	1	0	36	0	1	77	45	0	123	0	3	1	3	0	7	0	4	62	0	0	66	232
Hourly Total	0	121	25	8	2	154	0	10	318	191	0	519	0	7	18	6	0	31	0	12	259	6	1	277	981
3:00 PM	0	36	4	5	1	45	0	0	72	59	0	131	0	1	5	3	0	9	0	2	58	2	0	62	247
3:15 PM	0	34	4	5	0	43	0	1	95	58	0	154	0	0	1	1	0	2	0	1	54	1	1	56	255
3:30 PM	0	29	1	7	0	37	0	1	123	68	1	192	0	0	6	2	0	8	0	6	70	1	0	77	314
3:45 PM	0	31	6	4	0	41	0	0	107	58	1	165	0	4	5	3	0	12	0	3	58	2	0	63	281
Hourly Total	0	130	15	21	1	166	0	2	397	243	2	642	0	5	17	9	0	31	0	12	240	6	1	258	1097

**TMC 2560 - CSAH 1 @ 7th Ave
Anoka MN
Wednesday, July 9, 2025**

Time	Southbound 7th Ave						Westbound CSAH 1						Northbound 7th Ave						Eastbound CSAH 1						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	26	2	1	0	29	0	1	118	80	0	199	0	2	3	2	0	7	0	4	82	4	0	90	325
4:15 PM	0	35	6	2	0	43	0	6	118	79	1	203	0	0	8	6	0	14	0	3	64	5	0	72	332
4:30 PM	0	34	6	6	0	46	0	2	107	76	1	185	0	3	3	2	0	8	0	2	52	5	0	59	298
4:45 PM	0	26	4	7	0	37	0	2	123	61	1	186	0	1	7	2	1	10	0	3	73	2	0	78	311
Hourly Total	0	121	18	16	0	155	0	11	466	296	3	773	0	6	21	12	1	39	0	12	271	16	0	299	1266
5:00 PM	0	40	2	5	0	47	0	1	102	41	0	144	0	3	4	2	1	9	0	0	65	2	0	67	267
5:15 PM	0	22	6	7	0	35	0	1	96	53	0	150	0	3	5	3	0	11	0	5	46	3	0	54	250
5:30 PM	0	40	7	5	0	52	0	4	96	45	0	145	0	1	4	2	1	7	0	2	38	2	0	42	246
5:45 PM	0	37	10	0	0	47	0	3	90	31	1	124	0	3	5	1	1	9	0	2	45	0	0	47	227
Hourly Total	0	139	25	17	0	181	0	9	384	170	1	563	0	10	18	8	3	36	0	9	194	7	0	210	990
6:00 PM	0	34	3	4	0	41	0	2	85	55	0	142	0	1	3	0	0	4	0	1	43	2	0	46	233
6:15 PM	0	15	6	4	1	25	0	1	65	34	0	100	0	1	5	1	0	7	0	2	63	4	0	69	201
6:30 PM	0	30	4	4	0	38	0	1	63	31	1	95	0	1	2	1	0	4	0	1	44	2	0	47	184
6:45 PM	0	28	2	2	0	32	0	1	46	30	0	77	0	1	3	2	0	6	0	4	58	1	0	63	178
Hourly Total	0	107	15	14	1	136	0	5	259	150	1	414	0	4	13	4	0	21	0	8	208	9	0	225	796
7:00 PM	0	22	5	7	1	34	0	2	52	22	0	76	0	0	2	0	1	2	0	2	37	1	0	40	152
7:15 PM	0	18	4	3	0	25	0	2	49	18	0	69	0	0	5	1	0	6	0	2	42	0	0	44	144
7:30 PM	0	28	1	4	1	33	0	2	51	33	0	86	0	1	1	2	0	4	0	1	40	2	0	43	166
7:45 PM	0	13	4	4	0	21	0	0	34	24	1	58	0	2	1	1	0	4	0	2	41	0	0	43	126
Hourly Total	0	81	14	18	2	113	0	6	186	97	1	289	0	3	9	4	1	16	0	7	160	3	0	170	588
8:00 PM	0	19	3	1	0	23	0	0	44	23	0	67	0	0	5	0	0	5	0	3	42	2	0	47	142
8:15 PM	0	25	3	2	2	30	0	4	24	23	0	51	0	2	3	0	0	5	0	4	53	0	0	57	143
8:30 PM	0	13	3	3	2	19	0	1	32	18	0	51	0	0	4	1	1	5	0	1	26	1	0	28	103
8:45 PM	0	11	1	3	0	15	0	0	23	20	0	43	0	1	2	0	1	3	0	0	20	0	2	20	81
Hourly Total	0	68	10	9	4	87	0	5	123	84	0	212	0	3	14	1	2	18	0	8	141	3	2	152	469
9:00 PM	0	12	1	1	0	14	0	0	28	10	2	38	0	1	2	0	0	3	0	2	30	0	0	32	87
9:15 PM	0	8	2	1	0	11	0	1	25	8	2	34	0	1	4	3	0	8	0	2	18	2	0	22	75
9:30 PM	0	8	2	1	0	11	0	3	20	15	1	38	0	0	1	2	1	3	0	1	20	1	0	22	74
9:45 PM	0	11	0	0	2	11	0	0	21	12	2	33	0	0	3	0	0	3	0	0	22	0	0	22	69
Hourly Total	0	39	5	3	2	47	0	4	94	45	7	143	0	2	10	5	1	17	0	5	90	3	0	98	305
10:00 PM	0	6	2	0	3	8	0	1	14	7	5	22	0	2	1	0	3	3	0	0	13	1	0	14	47
10:15 PM	0	7	2	0	0	9	0	1	20	7	0	28	0	0	0	0	0	0	0	0	19	0	0	19	56
10:30 PM	0	17	4	1	0	22	0	1	16	9	0	26	0	0	1	0	0	1	0	1	27	2	0	30	79
10:45 PM	0	12	2	1	0	15	0	0	8	7	0	15	0	0	3	0	0	3	0	1	28	0	0	29	62
Hourly Total	0	42	10	2	3	54	0	3	58	30	5	91	0	2	5	0	3	7	0	2	87	3	0	92	244
11:00 PM	0	4	1	0	0	5	0	1	19	12	0	32	0	0	0	0	0	0	0	0	15	0	0	15	52
11:15 PM	0	4	1	1	0	6	0	0	8	5	0	13	0	0	0	0	0	0	0	0	11	0	0	11	30
11:30 PM	0	7	0	0	0	7	0	0	22	15	0	37	0	0	0	0	0	0	0	1	7	0	0	8	52
11:45 PM	0	3	2	0	0	5	0	0	5	4	0	9	0	0	0	0	0	0	0	2	4	1	0	7	21
Hourly Total	0	18	4	1	0	23	0	1	54	36	0	91	0	0	0	0	0	0	0	3	37	1	0	41	155
DAILY TOTAL	0	2094	243	212	27	2549	0	106	4311	2155	25	6572	0	81	264	117	18	462	0	169	3685	106	7	3960	13543
Cars	0	2054	241	202	15	2497	0	106	4236	2097	19	6439	0	79	261	114	15	454	0	167	3609	104	7	3880	13270
Heavy Vehicles	0	40	2	10	12	52	0	0	75	58	6	133	0	2	3	3	3	8	0	2	76	2	0	80	273
Heavy Vehicle %	0.00%	1.91%	0.82%	4.72%	44.44%	2.04%	0.00%	0.00%	1.74%	2.69%	24.00%	2.02%	0.00%	2.47%	1.14%	2.56%	16.67%	1.73%	0.00%	1.18%	2.06%	1.89%	0.00%	2.02%	2.02%

TMC 2560 - CSAH 1 @ 7th Ave
Anoka MN
Wednesday, July 9, 2025
AM Peak Hour (00:00 to 10:00)

Time	Southbound						Westbound						Northbound						Eastbound						VEHICLE TOTAL
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	
7:15 AM	0	42	1	2	0	45	0	1	48	12	0	61	0	2	5	0	0	7	0	2	68	1	0	71	184
7:30 AM	0	58	3	1	0	62	0	0	82	45	0	127	0	4	3	4	0	11	0	2	81	3	0	86	286
7:45 AM	0	77	2	2	0	81	0	2	68	39	1	109	0	1	5	1	0	7	0	1	73	0	0	74	271
8:00 AM	0	44	4	5	0	53	0	0	59	17	0	76	0	2	2	2	0	6	0	2	76	2	0	80	215
Peak Hour Total	0	221	10	10	0	241	0	3	257	113	1	373	0	9	15	7	0	31	0	7	298	6	0	311	956
Peak Hour Heavy Vehicles	0	7	0	2	0	9	0	0	6	3	0	9	0	0	0	0	0	0	0	1	6	0	0	7	25
Peak Hour Heavy Vehicles % PHF	0.00%	3.17%	0.00%	20.00%	0.00%	3.73%	0.00%	0.00%	2.33%	2.65%	0.00%	2.41%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	14.29%	2.01%	0.00%	0.00%	2.25%	2.62%
	0.000	0.718	0.625	0.500	0.000	0.744	0.000	0.375	0.784	0.628	0.250	0.734	0.000	0.563	0.750	0.438	0.000	0.705	0.000	0.875	0.920	0.500	0.000	0.904	0.836

Mid Peak Hour (10:00 - 14:00)

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	
1:00 PM	0	34	5	2	0	41	0	4	52	20	0	76	0	1	2	1	0	4	0	6	86	3	0	95	216
1:15 PM	0	38	4	1	0	43	0	2	74	24	0	100	0	1	5	1	0	7	0	2	52	2	0	56	206
1:30 PM	0	29	5	6	0	40	0	0	89	31	0	120	0	0	1	2	1	3	0	6	62	4	0	72	235
1:45 PM	0	25	3	4	2	32	0	2	76	41	0	119	0	1	6	0	0	7	0	4	55	4	0	63	221
Peak Hour Total	0	126	17	13	2	156	0	8	291	116	0	415	0	3	14	4	1	21	0	18	255	13	0	286	878
Peak Hour Heavy Vehicles	0	3	0	1	1	4	0	0	7	5	0	12	0	0	1	0	1	1	0	0	11	0	0	11	28
Peak Hour Heavy Vehicles % PHF	0.00%	2.38%	0.00%	7.69%	50.00%	2.56%	0.00%	0.00%	2.41%	4.31%	0.00%	2.89%	0.00%	0.00%	7.14%	0.00%	100.00%	4.76%	0.00%	0.00%	4.31%	0.00%	0.00%	3.85%	3.19%
	0.000	0.829	0.850	0.542	0.250	0.907	0.000	0.500	0.817	0.707	0.000	0.865	0.000	0.750	0.583	0.500	0.250	0.750	0.000	0.750	0.741	0.813	0.000	0.753	0.934

PM Peak Hour (14:00 - 24:00)

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	26	2	1	0	29	0	1	118	80	0	199	0	2	3	2	0	7	0	4	82	4	0	90	325
4:15 PM	0	35	6	2	0	43	0	6	118	79	1	203	0	0	8	6	0	14	0	3	64	5	0	72	332
4:30 PM	0	34	6	6	0	46	0	2	107	76	1	185	0	3	3	2	0	8	0	2	52	5	0	59	298
4:45 PM	0	26	4	7	0	37	0	2	123	61	1	186	0	1	7	2	1	10	0	3	73	2	0	78	311
Peak Hour Total	0	121	18	16	0	155	0	11	466	296	3	773	0	6	21	12	1	39	0	12	271	16	0	299	1266
Peak Hour Heavy Vehicles	0	1	0	0	0	1	0	0	3	6	1	9	0	0	1	0	0	1	0	0	4	0	0	4	15
Peak Hour Heavy Vehicles % PHF	0.00%	0.83%	0.00%	0.00%	0.00%	0.65%	0.00%	0.00%	0.64%	2.03%	33.33%	1.16%	0.00%	0.00%	4.76%	0.00%	0.00%	2.56%	0.00%	0.00%	1.48%	0.00%	0.00%	1.34%	1.18%
	0.000	0.864	0.750	0.571	0.000	0.842	0.000	0.458	0.947	0.925	0.750	0.952	0.000	0.500	0.656	0.500	0.250	0.696	0.000	0.750	0.826	0.800	0.000	0.831	0.953

Total Vehicles On Leg			5137		
Vehicles Entering Intersection 2549			Vehicles Exiting Intersection 2588		
Southbound					
Cars	202	241	2054	0	15
Heavy	10	2	40	0	12
Total	212	243	2094	0	27



Total Vehicles on Leg 8564	Vehicles Entering Intersection 3960	Eastbound	Cars	Heavy	Total	
			7	0	7	
			0	0	0	
	Vehicles Exiting Intersection 4604		167	2	169	
			3609	76	3685	
			104	2	106	

Daily Volumes

Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 6572	Total Vehicles on Leg 12468
2097	58	2155			
4236	75	4311			
106	0	106		Vehicles Exiting Intersection 5896	
0	0	0			
19	6	25			

Cars	15	0	79	261	114
Heavy	3	0	2	3	3
Total	18	0	81	264	117
Northbound					
Vehicles Entering Intersection			Vehicles Exiting Intersection		
			455		
Total Vehicles On Leg			917		

TMC 2560 - CSAH 1 @ 7th Ave Anoka MN Wednesday, July 9, 2025																										
Time	Southbound Heavy 7th Ave						Westbound Heavy CSAH 1						Northbound Heavy 7th Ave						Eastbound Heavy CSAH 1						VEHICLE TOTAL	
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach Total		
12:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
12:30 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	
12:45 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	
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
1:00 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	
1:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
1:30 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	
1:45 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	
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
2:00 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	
2:15 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	
2:30 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hourly 'Heavy Vehicles'	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	
3:00 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	
3:15 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	
3:30 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hourly 'Heavy Vehicles'	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	
4:00 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	
4:15 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	
4:30 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	
4:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
5:00 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	
5:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	
5:30 AM	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	0	1	0	0	0	0	0	3	
5:45 AM	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	2	
Hourly 'Heavy Vehicles'	0	2	0	0	0	2	0	0	1	2	0	3	0	0	0	2	0	0	2	0	0	1	0	0	1	8
6:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
6:15 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2	
6:30 AM	0	1	0	0	0	1	0	0	2	1	0	3	0	0	0	0	0	0	0	0	1	0	0	1	5	
6:45 AM	0	0	0	0	0	0	0	0	1	4	0	5	0	0	0	0	0	0	0	0	3	0	0	3	8	
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	4	5	0	9	0	0	0	0	0	0	0	0	6	0	0	6	16	
7:00 AM	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	3	0	0	3	5	
7:15 AM	0	1	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	4	
7:30 AM	0	2	0	0	0	2	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4	
7:45 AM	0	2	0	0	0	2	0	0	4	1	0	5	0	0	0	0	0	0	0	0	1	0	0	1	8	
Hourly 'Heavy Vehicles'	0	5	0	1	0	6	0	0	6	3	0	9	0	0	0	0	0	0	0	0	6	0	0	6	21	

TMC 2560 - CSAH 1 @ 7th Ave Anoka MN Wednesday, July 9, 2025																									
Time	Southbound Heavy 7th Ave						Westbound Heavy CSAH 1						Northbound Heavy 7th Ave						Eastbound Heavy CSAH 1						VEHICLE 'Heavy Vehicles'
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	
8:00 AM	0	2	0	1	0	3	0	0	1	1	0	2	0	0	0	0	0	0	0	1	3	0	0	4	9
8:15 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	3
8:30 AM	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	3
8:45 AM	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	3
Hourly 'Heavy Vehicles'	0	4	0	1	0	5	0	0	5	1	0	6	0	0	0	0	0	0	0	1	6	0	0	7	18
9:00 AM	0	2	0	1	1	3	0	0	1	3	0	4	0	0	0	0	0	0	0	0	1	0	0	1	8
9:15 AM	0	5	0	0	1	5	0	0	2	3	0	5	0	0	0	0	1	0	0	0	1	0	0	1	11
9:30 AM	0	1	0	0	0	1	0	0	3	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	5
9:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Hourly 'Heavy Vehicles'	0	8	0	1	2	9	0	0	6	7	0	13	0	0	0	0	1	0	0	0	3	0	0	3	25
10:00 AM	0	0	0	0	0	0	0	0	2	0	1	2	0	0	0	1	0	1	0	0	1	1	0	2	5
10:15 AM	0	0	0	0	0	0	0	0	3	2	0	5	0	0	0	0	0	0	0	0	1	0	0	1	6
10:30 AM	0	1	2	1	0	4	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	6
10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	3	0	0	3	4
Hourly 'Heavy Vehicles'	0	1	2	1	0	4	0	0	6	2	1	8	0	1	0	1	0	2	0	0	6	1	0	7	21
11:00 AM	0	2	0	0	1	2	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3
11:15 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	3	0	0	3	4
11:30 AM	0	2	0	0	0	2	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	5
11:45 AM	0	1	0	0	0	1	0	0	1	2	0	3	0	0	0	0	0	0	0	1	2	0	0	3	7
Hourly 'Heavy Vehicles'	0	5	0	0	1	5	0	0	2	4	1	6	0	0	0	0	0	0	0	1	7	0	0	8	19
12:00 PM	0	1	0	1	0	2	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4
12:15 PM	0	0	0	1	0	1	0	0	4	1	0	5	0	0	0	0	0	0	0	0	1	0	0	1	7
12:30 PM	0	1	0	0	0	1	0	0	2	1	0	3	0	0	0	0	0	0	0	0	1	0	0	1	5
12:45 PM	0	1	0	1	0	2	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4
Hourly 'Heavy Vehicles'	0	3	0	3	0	6	0	0	10	2	0	12	0	0	0	0	0	0	0	0	2	0	0	2	20
1:00 PM	0	2	0	0	0	2	0	0	0	1	0	1	0	0	1	0	0	1	0	0	6	0	0	6	10
1:15 PM	0	1	0	0	0	1	0	0	2	3	0	5	0	0	0	0	0	0	0	0	1	0	0	1	7
1:30 PM	0	0	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	0	0	0	1	0	0	1	5
1:45 PM	0	0	0	1	1	1	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	0	0	3	6
Hourly 'Heavy Vehicles'	0	3	0	1	1	4	0	0	7	5	0	12	0	0	1	0	0	1	0	0	11	0	0	11	28
2:00 PM	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	1	0	0	1	3
2:15 PM	0	0	0	0	1	0	0	0	1	2	0	3	0	0	0	0	0	0	0	0	1	0	0	1	4
2:30 PM	0	0	0	0	1	0	0	0	2	1	0	3	0	0	1	0	0	1	0	0	0	0	0	0	4
2:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	0	0	0	2	0	0	0	3	5	0	8	0	1	1	0	0	2	0	0	2	0	0	2	12
3:00 PM	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
3:15 PM	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	1	0	0	1	3
3:30 PM	0	0	0	1	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
3:45 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	3
Hourly 'Heavy Vehicles'	0	0	0	2	0	2	0	0	2	3	0	5	0	0	0	0	0	0	0	0	3	0	0	3	10

TMC 2560 - CSAH 1 @ 7th Ave
Anoka MN
Wednesday, July 9, 2025

Time	Southbound Heavy 7th Ave						Westbound Heavy CSAH 1						Northbound Heavy 7th Ave						Eastbound Heavy CSAH 1						VEHICLE 'Heavy Vehicles'	
	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'	U Turns	Left Turns	Straight Through	Right Turns	Crosswalk Crossings	Vehicle Approach 'Heavy Vehicles'		
4:00 PM	0	0	0	0	0	0	0	0	2	2	0	4	0	0	0	0	0	0	0	0	0	1	0	0	1	5
4:15 PM	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:30 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
4:45 PM	0	0	0	0	0	0	0	0	1	3	0	4	0	0	1	0	0	0	1	0	0	2	0	0	2	7
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	3	6	1	9	0	0	1	0	0	0	1	0	0	4	0	0	4	15
5:00 PM	0	0	0	0	0	0	0	0	1	2	0	3	0	0	0	0	0	0	0	0	0	1	0	0	1	4
5:15 PM	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	0	0	3	1	0	4	7
5:30 PM	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	1	0	0	0	1	0	0	0	1	3
5:45 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0	0	0	1	0	0	0	1	2
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	4	4	0	8	0	0	0	0	2	0	0	0	0	6	1	0	7	16
6:00 PM	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	3	
6:15 PM	0	0	0	0	0	0	0	0	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
6:30 PM	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	1	2
6:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	3	2	1	5	0	0	0	0	0	0	0	0	0	3	0	0	3	9
7:00 PM	0	1	0	0	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
7:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
7:30 PM	0	1	0	0	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
7:45 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	2	0	0	2	2	0	0	2	1	0	3	0	0	0	0	0	0	0	0	0	1	0	0	1	6
8:00 PM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	1	0	0	1	3	
8:15 PM	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
8:30 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2	
8:45 PM	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	0
Hourly 'Heavy Vehicles'	0	0	0	0	2	0	0	0	3	0	0	3	0	0	0	0	0	0	0	0	0	3	0	0	3	6
9:00 PM	0	1	0	0	0	1	0	0	4	1	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	6
9:15 PM	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
9:30 PM	0	1	0	0	0	1	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3
9:45 PM	0	0	0	0	2	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	2	0	0	2	2	0	0	6	4	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	12
10:00 PM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	
10:30 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	0	0	2	3	
10:45 PM	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	0
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	3	0	0	3	4	
11:00 PM	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
11:15 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11:30 PM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
11:45 PM	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	0
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	4
DAILY 'Heavy Vehicles'	0	40	2	10	12	52	0	0	75	58	6	133	0	2	3	3	3	8	0	2	76	2	0	80	273	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2560

Study Date : 08/07/2025

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 1

Number of Lanes : 2+

Total Approach Volume: 3,960

Westbound: CSAH 1

Number of Lanes : 2+

Total Approach Volume: 6,572

Minor Street Approaches

Northbound: 7th Ave

Number of Lanes : 1

Total Approach Volume: 462

Southbound: 7th Ave

Number of Lanes : 1

Total Approach Volume: 2,549

Warrant Summary (Urban Values Apply)

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

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

Required volumes reached for 7 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 13 hours, 8 are needed

Required 1B volumes reached for 5 hours, 8 are needed

Warrant 2 - Four Hour Volumes.....Not Satisfied

Number of hours (2) volumes exceed minimum < minimum required (4).

Warrant 3 - Peak Hour.....Satisfied

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

Number of one hour periods (29) volumes exceed minimum >= required (1). 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 2560

Study Date : 08/07/2025

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

Site Data Required

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

Volume Requirements

Veh/Hr Major = **600**

Veh/Hr Minor = **150**

	Major Road					Minor Road		
	CSAH 1					7th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
16:00 - 17:00	299	+	773	=	1072	39	155	Yes
15:00 - 16:00	258	+	642	=	900	31	166	Yes
14:00 - 15:00	277	+	519	=	796	31	154	Yes
17:00 - 18:00	210	+	563	=	773	36	181	Yes
13:00 - 14:00	286	+	415	=	701	21	156	Yes
06:45 - 07:45	322	+	294	=	616	36	217	Yes
12:00 - 13:00	247	+	354	=	601	40	151	Yes
18:00 - 19:00	225	+	414	=	639	21	136	No
11:45 - 12:45	242	+	376	=	618	39	143	No
11:30 - 12:30	234	+	383	=	617	36	142	No
11:15 - 12:15	221	+	392	=	613	37	143	No
11:00 - 12:00	218	+	392	=	610	27	142	No
08:45 - 09:45	233	+	353	=	586	28	162	No
07:45 - 08:45	262	+	312	=	574	29	222	No
10:45 - 11:45	213	+	359	=	572	28	138	No
18:15 - 19:15	219	+	348	=	567	19	129	No
08:00 - 09:00	264	+	297	=	561	32	190	No
10:30 - 11:30	211	+	341	=	552	28	136	No
08:30 - 09:30	221	+	329	=	550	34	165	No
10:15 - 11:15	210	+	340	=	550	26	140	No
09:30 - 10:30	221	+	323	=	544	30	139	No
10:00 - 11:00	213	+	330	=	543	35	139	No
08:15 - 09:15	235	+	305	=	540	30	173	No
09:15 - 10:15	217	+	322	=	539	32	147	No
09:45 - 10:45	215		316		531	34	137	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2560

Study Date : 08/07/2025

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

Volume Requirements

Veh/Hr Major = **900**

Veh/Hr Minor = **75**

Major Road CSAH 1						Minor Road 7th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
16:00 - 17:00	299	+	773	=	1072	39	155	Yes
15:00 - 16:00	258	+	642	=	900	31	166	Yes
14:45 - 15:45	261	+	600	=	861	26	161	No
14:30 - 15:30	254	+	547	=	801	25	178	No
14:00 - 15:00	277	+	519	=	796	31	154	No
13:45 - 14:45	274	+	515	=	789	31	150	No
14:15 - 15:15	261	+	524	=	785	35	171	No
17:00 - 18:00	210	+	563	=	773	36	181	No
13:30 - 14:30	276	+	496	=	772	27	136	No
17:15 - 18:15	189	+	561	=	750	31	175	No
13:15 - 14:15	269	+	465	=	734	22	143	No
17:30 - 18:30	204	+	511	=	715	27	165	No
13:00 - 14:00	286	+	415	=	701	21	156	No
07:15 - 08:15	311	+	373	=	684	31	241	No
07:30 - 08:30	298	+	375	=	673	29	246	No
17:45 - 18:45	209	+	461	=	670	24	151	No
12:45 - 13:45	283	+	382	=	665	21	174	No
07:00 - 08:00	297	+	344	=	641	32	228	No
18:00 - 19:00	225	+	414	=	639	21	136	No
12:30 - 13:30	277	+	354	=	631	30	170	No
11:45 - 12:45	242	+	376	=	618	39	143	No
12:15 - 13:15	283	+	334	=	617	31	156	No
11:30 - 12:30	234	+	383	=	617	36	142	No
06:45 - 07:45	322	+	294	=	616	36	217	No
11:15 - 12:15	221		392		613	37	143	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2560

Study Date : 08/07/2025

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

13 hours meet 1A minimums.
Only 5 hours meet 1B minimums.
Warrant is NOT met.

Site Data Required

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

Volume Requirements

Warrant 1A 1B
Veh/Hr Major = **480 720**
Veh/Hr Minor = **120 60**

Major Road CSAH 1						Minor Road 7th Ave				
Time	Major EB	+	Major WB	=	Total	Minor NB		Minor SB		Met1A?
15:30 - 16:30	302	+	759	=	1061	41		150		Yes
16:30 - 17:30	258	+	665	=	923	38		165		Yes
14:30 - 15:30	254	+	547	=	801	25		178		Yes
13:30 - 14:30	276	+	496	=	772	27		136		Yes
17:30 - 18:30	204	+	511	=	715	27		165		Yes
07:30 - 08:30	298	+	375	=	673	29		246		Yes
12:30 - 13:30	277	+	354	=	631	30		170		Yes
11:30 - 12:30	234	+	383	=	617	36		142		Yes
10:30 - 11:30	211	+	341	=	552	28		136		Yes
08:30 - 09:30	221	+	329	=	550	34		165		Yes
09:30 - 10:30	221	+	323	=	544	30		139		Yes
06:30 - 07:30	309		206		515	29		214		Yes

Time	Major EB	+	Major WB	=	Total	Minor NB		Minor SB		Met1B?
15:15 - 16:15	286	+	710	=	996	29		150		Yes
16:15 - 17:15	276	+	718	=	994	41		173		Yes
14:15 - 15:15	261	+	524	=	785	35		171		Yes
17:15 - 18:15	189	+	561	=	750	31		175		Yes
13:15 - 14:15	269	+	465	=	734	22		143		Yes
13:00 - 14:00	286	+	415	=	701	21		156		No
07:15 - 08:15	311	+	373	=	684	31		241		No
07:30 - 08:30	298	+	375	=	673	29		246		No
12:45 - 13:45	283	+	382	=	665	21		174		No
07:00 - 08:00	297	+	344	=	641	32		228		No
12:30 - 13:30	277	+	354	=	631	30		170		No
11:45 - 12:45	242		376		618	39		143		No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2560

Study Date : 08/07/2025

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.

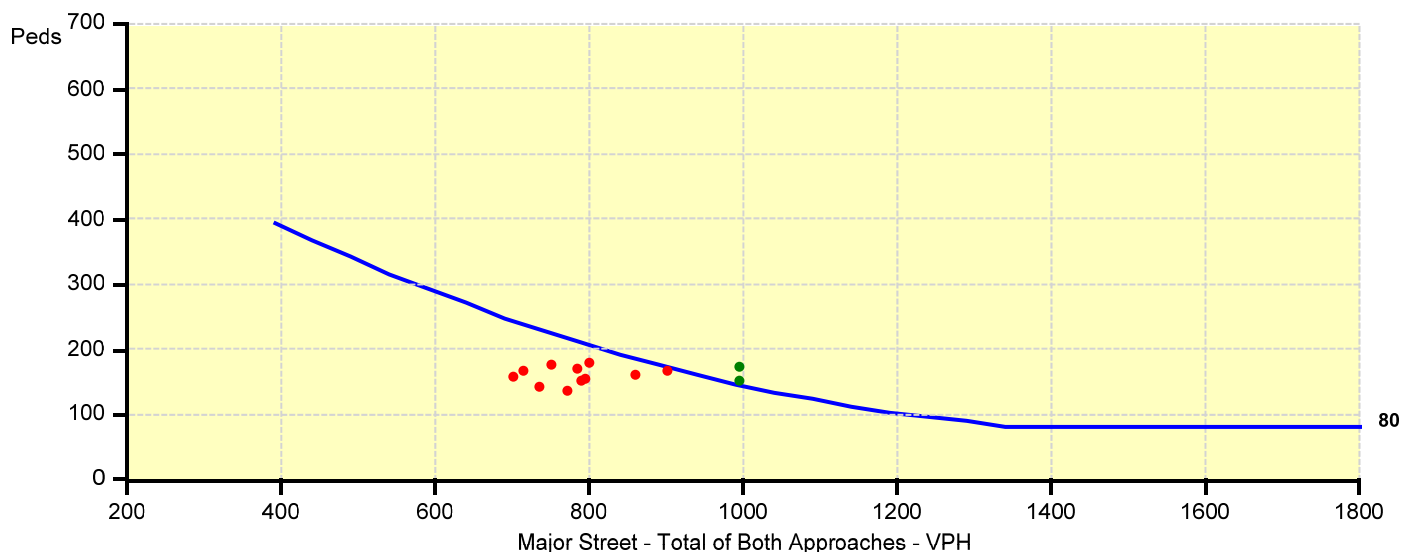
Summary

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

Site Data Required

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

Major Road CSAH 1						Minor Road 7th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
15:15 - 16:15	286	+	710	=	996	29	150	Yes
16:15 - 17:15	276	+	718	=	994	41	173	Yes
15:00 - 16:00	258	+	642	=	900	31	166	No
14:45 - 15:45	261	+	600	=	861	26	161	No
14:30 - 15:30	254	+	547	=	801	25	178	No
14:00 - 15:00	277	+	519	=	796	31	154	No
13:45 - 14:45	274	+	515	=	789	31	150	No
14:15 - 15:15	261	+	524	=	785	35	171	No
13:30 - 14:30	276	+	496	=	772	27	136	No
17:15 - 18:15	189	+	561	=	750	31	175	No
13:15 - 14:15	269	+	465	=	734	22	143	No
17:30 - 18:30	204	+	511	=	715	27	165	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2560

Study Date : 08/07/2025

Warrant 3B - Peak Hour Volumes

Description

Intended for sites where the volume of intersecting traffic during one hour of the day is the principal reason for consideration of a signal installation.

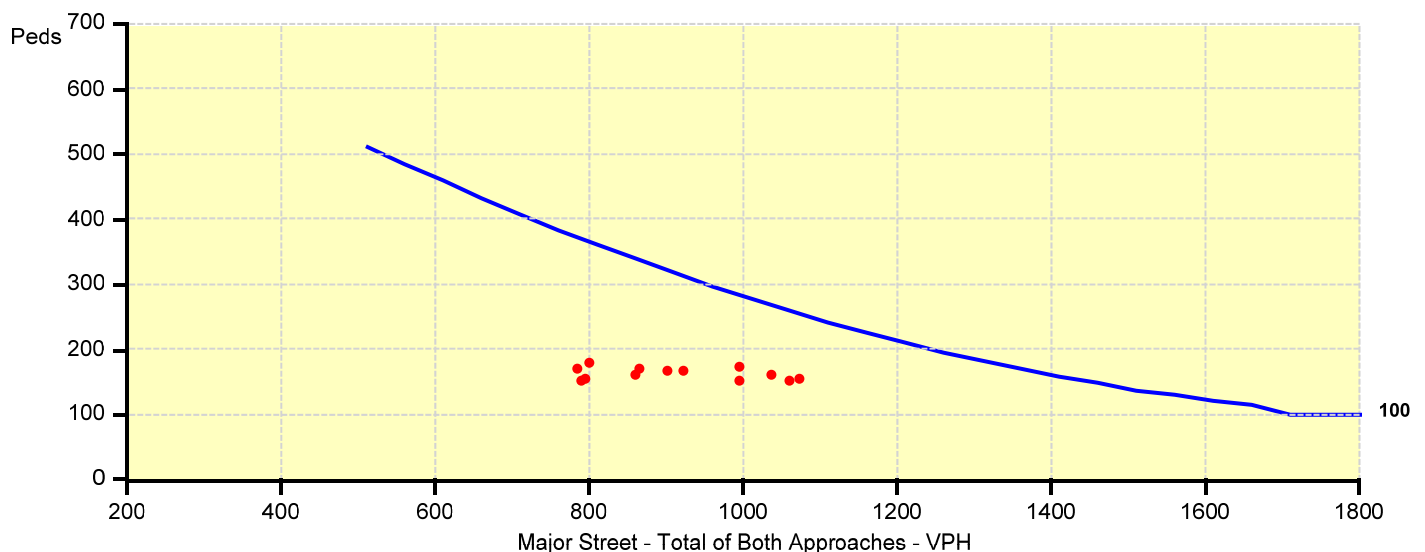
Summary

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

Site Data Required

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

Major Road CSAH 1						Minor Road 7th Ave			
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?	
16:00 - 17:00	299	+	773	=	1072	39	155	No	
15:30 - 16:30	302	+	759	=	1061	41	150	No	
15:45 - 16:45	284	+	752	=	1036	41	159	No	
15:15 - 16:15	286	+	710	=	996	29	150	No	
16:15 - 17:15	276	+	718	=	994	41	173	No	
16:30 - 17:30	258	+	665	=	923	38	165	No	
15:00 - 16:00	258	+	642	=	900	31	166	No	
16:45 - 17:45	241	+	625	=	866	37	171	No	
14:45 - 15:45	261	+	600	=	861	26	161	No	
14:30 - 15:30	254	+	547	=	801	25	178	No	
14:00 - 15:00	277	+	519	=	796	31	154	No	
13:45 - 14:45	274	+	515	=	789	31	150	No	



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2560

Study Date : 08/07/2025

Multiway Stop Warrants - Summary

Major Street Approaches

Eastbound: CSAH 1

Number of Lanes : 2+

Total Approach Volume: 3,960

Westbound: CSAH 1

Number of Lanes : 2+

Total Approach Volume: 6,572

Minor Street Approaches

Northbound: 7th Ave

Number of Lanes : 1

Total Approach Volume: 462

Southbound: 7th Ave

Number of Lanes : 1

Total Approach Volume: 2,549

Warrant Summary (Urban Values Apply)

Criteria A - Interim Measure..... **Not Evaluated**
If traffic signals are justified, stop signs can be installed as an interim measure.

Criteria B - Crash Experience..... **Not Satisfied**
Number of crashes (-1) is less than minimum required (5).

Criteria C - Minimum Volumes and Delays..... **Satisfied**
Average of 8 highest hours meets or exceeds volume criteria.

Criteria D - 80% of Volumes, Delays, and Crashes..... **Not Satisfied**
Number of crashes (-1) is less than minimum required (4).
Average of 8 highest hours meets or exceeds volume criteria.

Criteria C Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
16:00 - 17:00	1072	772.9	201	201.9	300	200	Yes
15:00 - 16:00	900		199				
17:00 - 18:00	773		218				
14:00 - 15:00	796		190				
07:15 - 08:15	684		272				
13:00 - 14:00	701		181				
11:45 - 12:45	618		194				
18:00 - 19:00	639		160				
08:45 - 09:45	586		194				
10:45 - 11:45	572		177				
09:45 - 10:45	531		176				
06:15 - 07:15	464		225				

Criteria D Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
16:00 - 17:00	1072	772.9	201	201.9	240	160	Yes
15:00 - 16:00	900		199				
17:00 - 18:00	773		218				
14:00 - 15:00	796		190				
07:15 - 08:15	684		272				
13:00 - 14:00	701		181				
11:45 - 12:45	618		194				
18:00 - 19:00	639		160				
08:45 - 09:45	586		194				
10:45 - 11:45	572		177				
09:45 - 10:45	531		176				
06:15 - 07:15	464		225				