

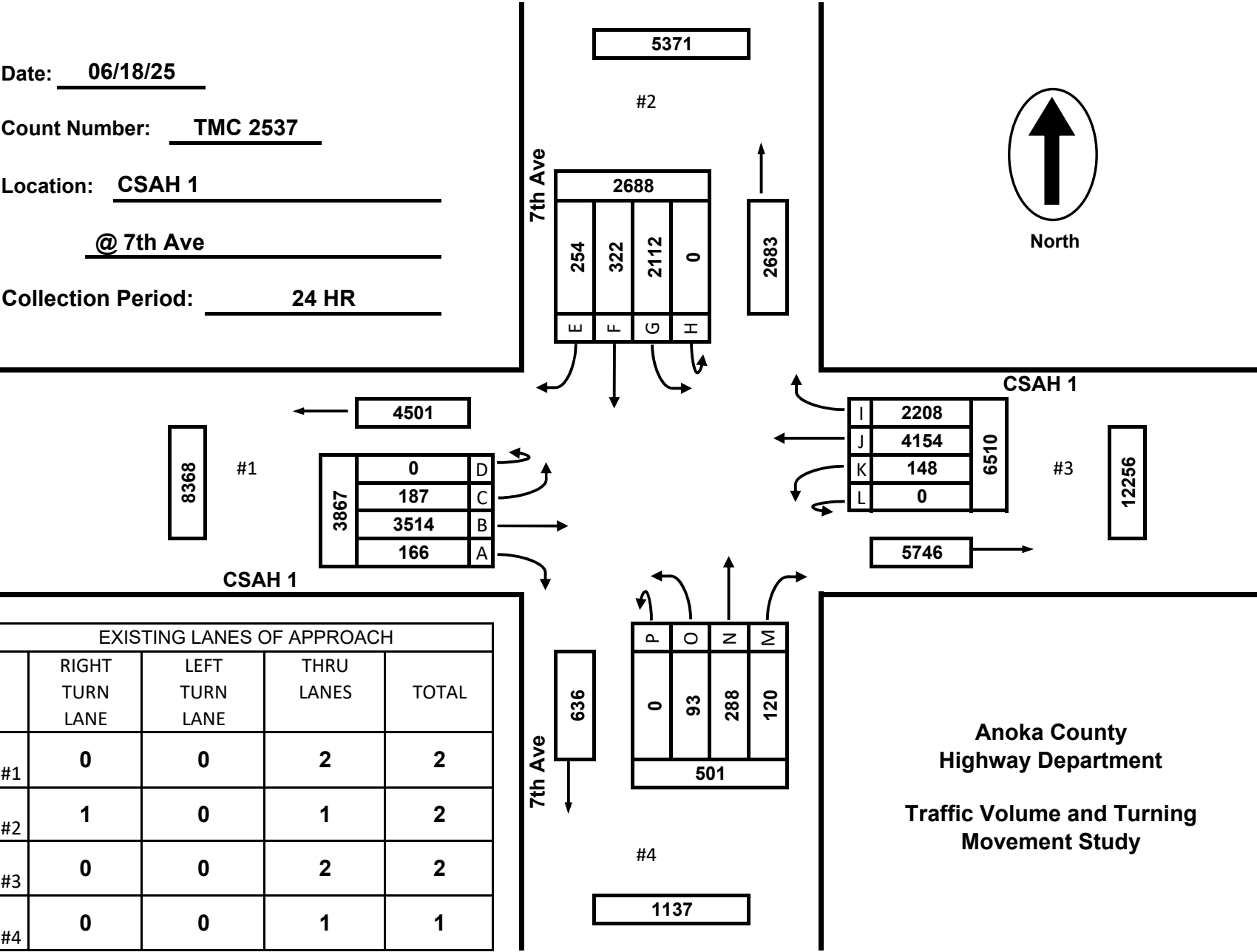
Date: 06/18/25

Count Number: TMC 2537

Location: CSAH 1

@ 7th Ave

Collection Period: 24 HR



Date: 06/18/25

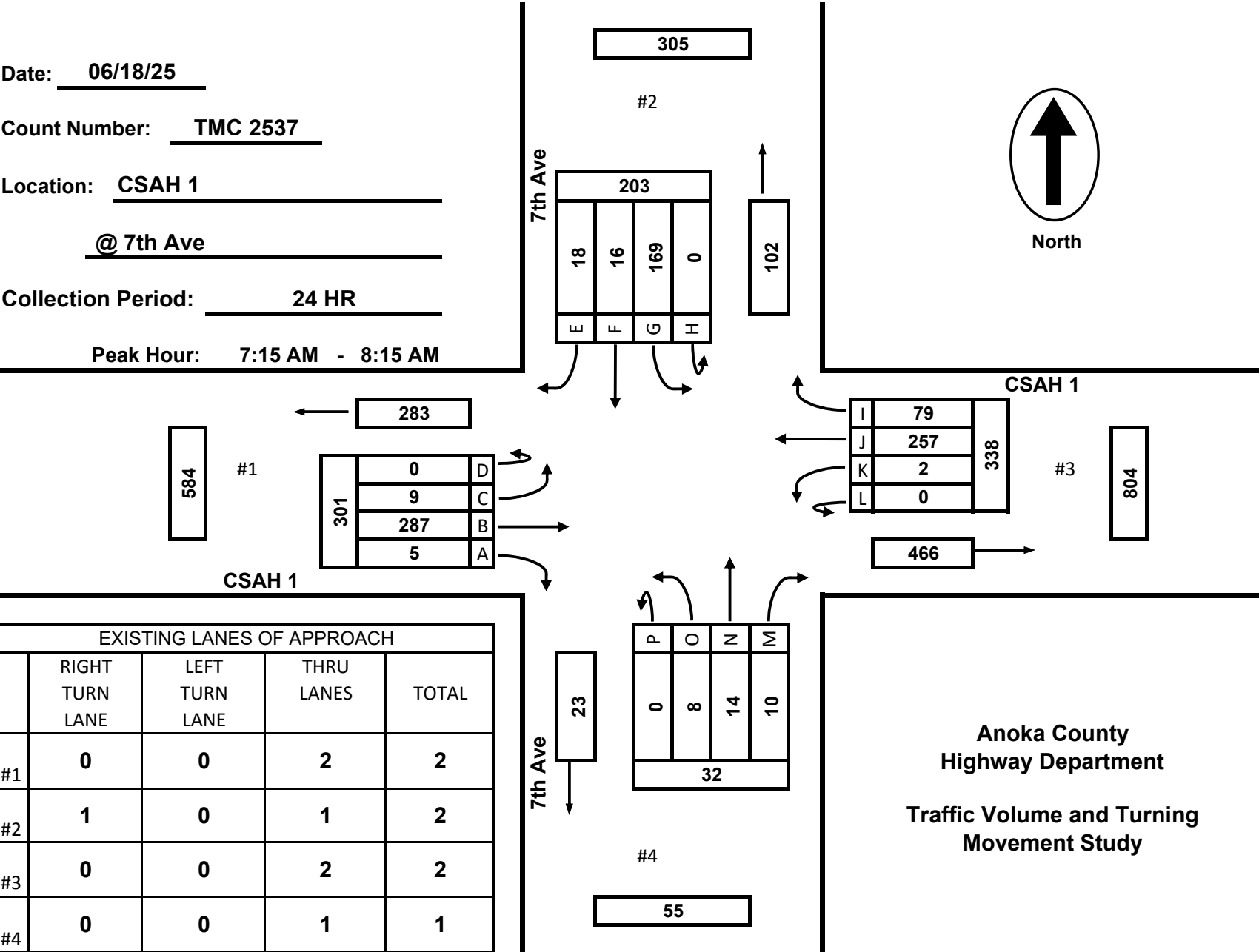
Count Number: TMC 2537

Location: CSAH 1

@ 7th Ave

Collection Period: 24 HR

Peak Hour: 7:15 AM - 8:15 AM



Anoka County
Highway Department

Traffic Volume and Turning
Movement Study

Date: 06/18/25

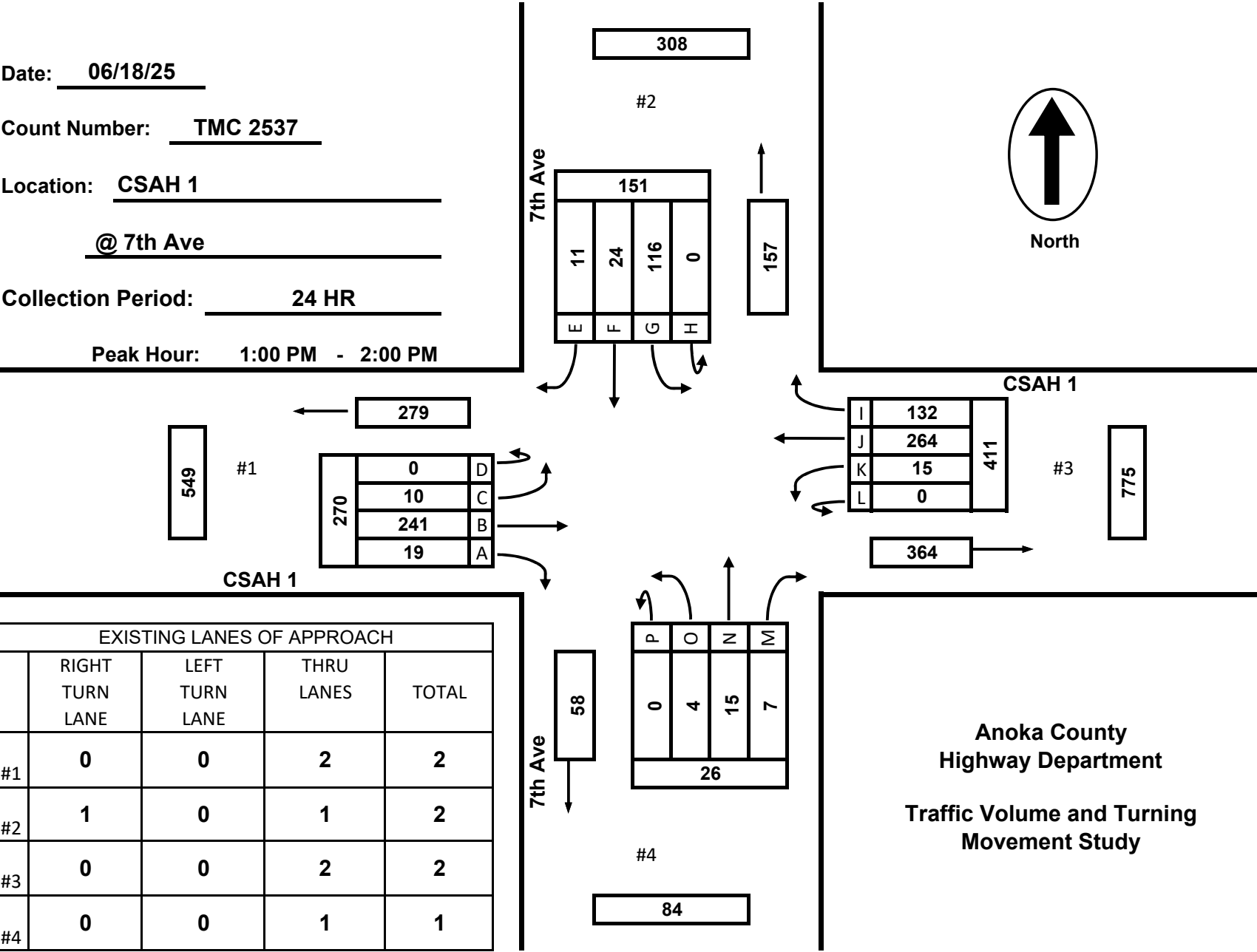
Count Number: TMC 2537

Location: CSAH 1

@ 7th Ave

Collection Period: 24 HR

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



Anoka County
Highway Department

Traffic Volume and Turning
Movement Study

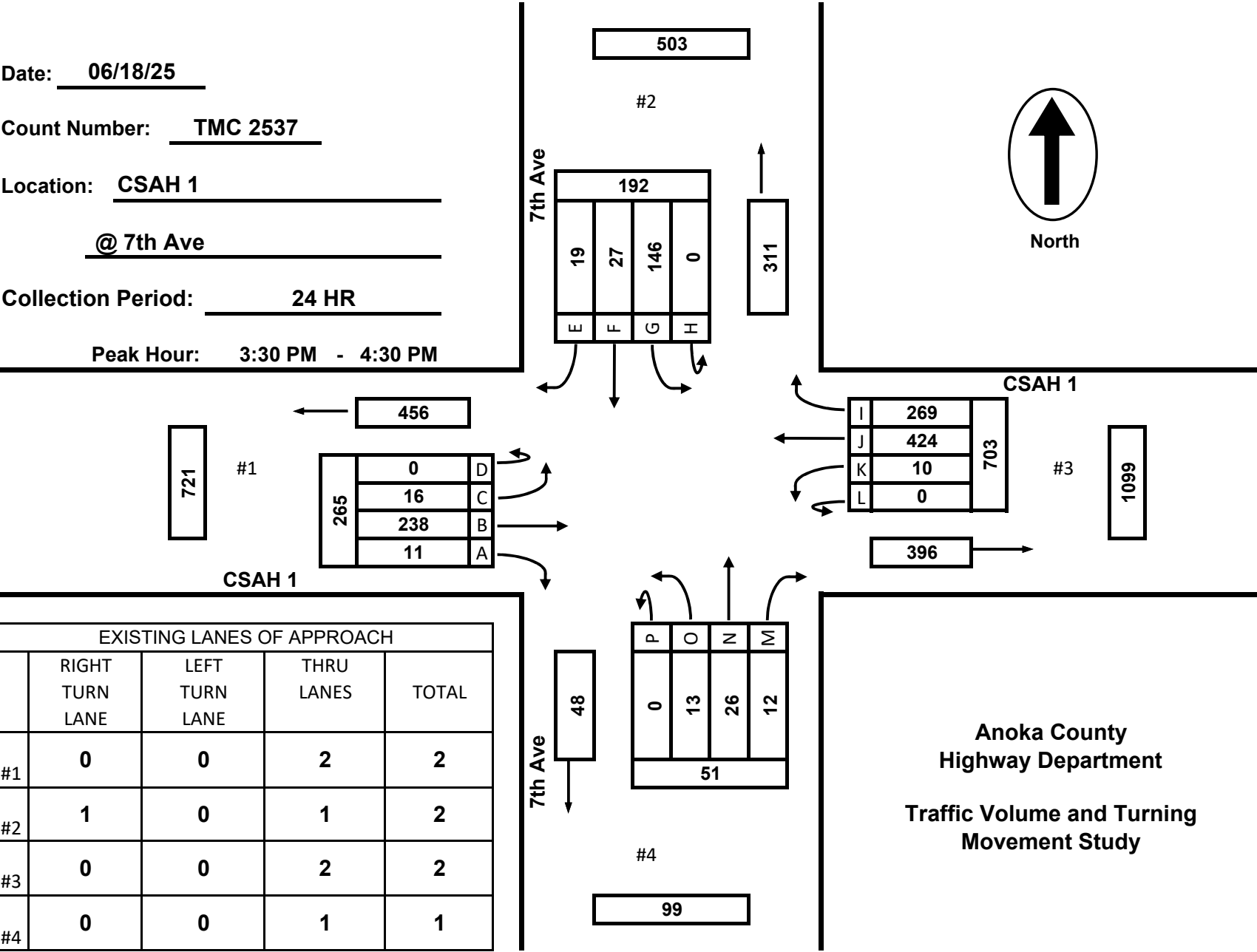
Date: 06/18/25

Count Number: TMC 2537

Location: CSAH 1
@ 7th Ave

Collection Period: 24 HR

Peak Hour: 3:30 PM - 4:30 PM



**TMC 2537 - CSAH 1 @ 7th Ave
Anoka MN
Wednesday, June 18, 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	1	1	0	0	2	0	0	10	5	0	15	0	0	1	0	0	1	0	0	4	0	0	4	22
12:15 AM	0	4	0	0	0	4	0	1	4	3	0	8	0	0	1	0	0	1	0	0	3	0	0	3	16
12:30 AM	0	3	0	0	0	3	0	0	8	1	0	9	0	0	0	0	0	0	0	0	2	0	0	2	14
12:45 AM	0	4	0	0	0	4	0	0	3	3	0	6	0	0	1	0	0	1	0	0	3	0	0	3	14
Hourly Total	0	12	1	0	0	13	0	1	25	12	0	38	0	0	3	0	0	3	0	0	12	0	0	12	66
1:00 AM	0	1	0	0	0	1	0	0	2	1	0	3	0	0	0	0	0	0	0	0	5	0	0	5	9
1:15 AM	0	1	0	0	0	1	0	1	3	0	0	4	0	0	0	0	0	0	0	0	4	0	0	4	9
1:30 AM	0	1	1	2	0	4	0	0	4	1	0	5	0	0	0	0	0	0	0	1	4	0	0	5	14
1:45 AM	0	4	1	0	0	5	0	0	2	1	0	3	0	0	0	1	0	1	0	0	5	0	0	5	14
Hourly Total	0	7	2	2	0	11	0	1	11	3	0	15	0	0	0	1	0	1	0	1	18	0	0	19	46
2:00 AM	0	2	1	0	0	3	0	0	3	1	0	4	0	0	1	0	0	1	0	0	0	0	0	0	8
2:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	2
2:30 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
2:45 AM	0	1	0	0	0	1	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	3
Hourly Total	0	4	1	0	0	5	0	0	6	1	0	7	0	0	2	0	0	2	0	0	2	0	0	2	16
3:00 AM	0	2	0	0	0	2	0	0	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	5
3:15 AM	0	1	0	0	0	1	0	0	5	2	0	7	0	0	0	0	0	0	0	0	3	0	0	3	11
3:30 AM	0	1	0	0	0	1	0	0	2	3	0	5	0	0	0	0	0	0	0	0	0	0	0	0	6
3:45 AM	0	1	0	0	0	1	0	0	4	3	0	7	0	0	0	0	0	0	0	0	4	0	0	4	12
Hourly Total	0	5	0	0	0	5	0	0	13	9	0	22	0	0	0	0	0	0	0	0	7	0	0	7	34
4:00 AM	0	3	0	0	0	3	0	0	3	1	0	4	0	0	0	0	0	0	0	0	7	0	0	7	14
4:15 AM	0	2	0	0	0	2	0	0	8	2	0	10	0	0	1	0	0	1	0	0	3	0	0	3	16
4:30 AM	0	5	0	1	0	6	0	0	8	2	0	10	0	0	2	0	0	2	0	0	6	0	0	6	24
4:45 AM	0	8	0	0	0	8	0	0	8	6	0	14	0	1	0	1	0	2	0	1	9	0	0	10	34
Hourly Total	0	18	0	1	0	19	0	0	27	11	0	38	0	1	3	1	0	5	0	1	25	0	0	26	88
5:00 AM	0	0	0	1	0	1	0	0	11	2	0	13	0	0	1	0	0	1	0	3	10	0	0	13	28
5:15 AM	0	12	0	0	0	12	0	0	14	4	0	18	0	0	1	0	0	1	0	3	9	0	0	12	43
5:30 AM	0	24	0	2	0	26	0	0	26	8	0	34	0	0	1	1	0	2	0	0	17	0	1	17	79
5:45 AM	0	23	0	1	0	24	0	1	15	7	0	23	0	1	0	2	0	3	0	0	17	0	0	17	67
Hourly Total	0	59	0	4	0	63	0	1	66	21	0	88	0	1	3	3	0	7	0	6	53	0	1	59	217
6:00 AM	0	16	0	1	0	17	0	0	20	10	0	30	0	0	0	1	0	1	0	0	28	0	0	28	76
6:15 AM	0	30	1	1	0	32	0	1	23	10	0	34	0	1	6	1	0	8	0	0	40	0	0	40	114
6:30 AM	0	57	3	3	0	63	0	0	37	12	0	49	0	1	7	1	0	9	0	2	81	0	0	83	204
6:45 AM	0	70	2	3	1	75	0	1	32	14	0	47	0	2	3	0	1	5	0	2	90	1	0	93	220
Hourly Total	0	173	6	8	1	187	0	2	112	46	0	160	0	4	16	3	1	23	0	4	239	1	0	244	614
7:00 AM	0	41	1	2	0	44	0	0	47	21	0	68	0	1	6	3	1	10	0	0	53	0	0	53	175
7:15 AM	0	59	3	4	0	66	0	0	61	10	0	71	0	2	2	4	0	8	0	4	67	1	0	72	217
7:30 AM	0	37	6	4	0	47	0	0	94	32	0	126	0	1	6	4	0	11	0	0	71	2	1	73	257
7:45 AM	0	41	3	5	0	49	0	0	50	21	0	71	0	4	5	2	0	11	0	2	89	1	0	92	223
Hourly Total	0	178	13	15	0	206	0	0	252	84	0	336	0	8	19	13	1	40	0	6	280	4	1	290	872

**TMC 2537 - CSAH 1 @ 7th Ave
Anoka MN
Wednesday, June 18, 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	32	4	5	0	41	0	2	52	16	1	70	0	1	1	0	0	2	0	3	60	1	0	64	177
8:15 AM	0	37	4	0	0	41	0	3	51	13	0	67	0	3	4	1	0	8	0	3	64	4	0	71	187
8:30 AM	0	34	9	3	0	46	0	1	50	23	0	74	0	4	3	1	0	8	0	2	57	2	0	61	189
8:45 AM	0	42	6	6	0	54	0	2	71	24	0	97	0	2	4	0	0	6	0	0	69	3	0	72	229
Hourly Total	0	145	23	14	0	182	0	8	224	76	1	308	0	10	12	2	0	24	0	8	250	10	0	268	782
9:00 AM	0	31	7	5	0	43	0	3	54	27	0	84	0	2	3	0	0	5	0	3	49	6	0	58	190
9:15 AM	0	28	4	5	0	37	0	2	44	35	0	81	0	0	7	2	0	9	0	3	43	5	0	51	178
9:30 AM	0	29	3	2	0	34	0	1	56	18	7	75	0	1	7	4	0	12	0	4	55	0	0	59	180
9:45 AM	0	24	9	4	0	37	0	3	50	16	1	69	0	2	3	0	1	5	0	2	52	3	0	57	168
Hourly Total	0	112	23	16	0	151	0	9	204	96	8	309	0	5	20	6	1	31	0	12	199	14	0	225	716
10:00 AM	0	27	4	2	0	33	0	4	53	26	0	83	0	1	6	3	0	10	0	1	32	5	0	38	164
10:15 AM	0	28	9	2	0	39	0	3	66	32	0	101	0	2	5	0	0	7	0	7	50	3	1	60	207
10:30 AM	0	45	10	5	0	60	0	5	53	24	0	82	0	0	7	5	0	12	0	2	58	6	0	66	220
10:45 AM	0	35	10	3	0	48	0	7	54	26	8	87	0	0	4	1	0	5	0	1	53	0	0	54	194
Hourly Total	0	135	33	12	0	180	0	19	226	108	8	353	0	3	22	9	0	34	0	11	193	14	1	218	785
11:00 AM	0	23	5	8	1	36	0	6	56	29	0	91	0	0	7	3	1	10	0	5	51	3	0	59	196
11:15 AM	0	33	3	5	1	41	0	2	78	35	0	115	0	0	5	0	0	5	0	3	47	5	0	55	216
11:30 AM	0	33	9	5	0	47	0	1	64	25	0	90	0	1	7	3	0	11	0	3	36	9	0	48	196
11:45 AM	0	30	8	5	0	43	0	3	71	24	0	98	0	2	3	2	0	7	0	0	46	3	0	49	197
Hourly Total	0	119	25	23	2	167	0	12	269	113	0	394	0	3	22	8	1	33	0	11	180	20	0	211	805
12:00 PM	0	26	6	5	0	37	0	4	60	37	0	101	0	2	5	1	0	8	0	6	58	2	0	66	212
12:15 PM	0	36	8	2	1	46	0	1	59	38	0	98	0	1	3	4	2	8	0	5	46	7	0	58	210
12:30 PM	0	28	5	5	1	38	0	1	63	31	0	95	0	2	1	2	0	5	0	5	53	4	0	62	200
12:45 PM	0	33	2	4	0	39	0	4	48	26	2	78	0	0	6	5	1	11	0	6	61	3	0	70	198
Hourly Total	0	123	21	16	2	160	0	10	230	132	2	372	0	5	15	12	3	32	0	22	218	16	0	256	820
1:00 PM	0	30	8	4	0	42	0	5	67	29	0	101	0	0	2	3	1	5	0	0	64	3	0	67	215
1:15 PM	0	25	7	3	1	35	0	5	53	30	3	88	0	2	6	0	2	8	0	2	54	5	1	61	192
1:30 PM	0	27	3	3	1	33	0	1	78	41	1	120	0	0	3	3	0	6	0	6	59	7	0	72	231
1:45 PM	0	34	6	1	0	41	0	4	66	32	1	102	0	2	4	1	0	7	0	2	64	4	1	70	220
Hourly Total	0	116	24	11	2	151	0	15	264	132	5	411	0	4	15	7	3	26	0	10	241	19	2	270	858
2:00 PM	0	38	4	4	0	46	0	0	77	40	1	117	0	5	8	3	1	16	0	4	60	2	0	66	245
2:15 PM	0	46	8	4	0	58	0	2	88	45	1	135	0	1	6	5	0	12	0	2	59	4	1	65	270
2:30 PM	0	49	9	7	0	65	0	2	94	50	0	146	0	1	5	0	1	6	0	5	65	3	0	73	290
2:45 PM	0	63	7	2	0	72	0	2	58	54	0	114	0	2	1	0	1	3	0	9	58	3	0	70	259
Hourly Total	0	196	28	17	0	241	0	6	317	189	2	512	0	9	20	8	3	37	0	20	242	12	1	274	1064
3:00 PM	0	37	3	6	0	46	0	7	110	55	0	172	0	1	5	4	0	10	0	3	55	4	0	62	290
3:15 PM	0	37	4	10	0	51	0	1	94	63	0	158	0	1	4	5	0	10	0	4	47	2	0	53	272
3:30 PM	0	38	4	3	0	45	0	6	108	71	3	185	0	5	11	4	3	20	0	5	57	7	0	69	319
3:45 PM	0	52	9	3	0	64	0	1	104	58	1	163	0	1	7	6	0	14	0	2	52	2	0	56	297
Hourly Total	0	164	20	22	0	206	0	15	416	247	4	678	0	8	27	19	3	54	0	14	211	15	0	240	1178

**TMC 2537 - CSAH 1 @ 7th Ave
Anoka MN
Wednesday, June 18, 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	27	3	5	0	35	0	1	101	62	0	164	0	1	5	1	0	7	0	6	68	0	0	74	280
4:15 PM	0	29	11	8	0	48	0	2	111	78	5	191	0	6	3	1	0	10	0	3	61	2	0	66	315
4:30 PM	0	18	3	9	0	30	0	4	110	79	0	193	0	1	4	1	0	6	0	1	66	4	0	71	300
4:45 PM	0	21	4	5	1	30	0	4	85	61	3	150	0	4	10	1	0	15	0	6	53	4	0	63	258
Hourly Total	0	95	21	27	1	143	0	11	407	280	8	698	0	12	22	4	0	38	0	16	248	10	0	274	1153
5:00 PM	0	33	4	3	3	40	0	1	99	48	3	148	0	2	5	2	0	9	0	3	53	4	0	60	257
5:15 PM	0	33	5	3	1	41	0	3	98	64	3	165	0	1	6	2	0	9	0	1	62	0	0	63	278
5:30 PM	0	25	7	1	0	33	0	3	96	62	0	161	0	1	3	2	0	6	0	3	38	3	0	44	244
5:45 PM	0	23	5	4	0	32	0	5	112	52	0	169	0	0	4	1	1	5	0	2	35	4	0	41	247
Hourly Total	0	114	21	11	4	146	0	12	405	226	6	643	0	4	18	7	1	29	0	9	188	11	0	208	1026
6:00 PM	0	18	4	5	0	27	0	2	63	36	3	101	0	2	6	1	1	9	0	1	50	1	0	52	189
6:15 PM	0	27	3	4	0	34	0	0	48	41	2	89	0	0	3	0	3	3	0	2	58	0	0	60	186
6:30 PM	0	21	0	3	0	24	0	1	37	29	2	67	0	2	3	1	0	6	0	2	48	1	0	51	148
6:45 PM	0	36	0	4	1	40	0	3	36	35	0	74	0	2	3	0	0	5	0	5	53	4	0	62	181
Hourly Total	0	102	7	16	1	125	0	6	184	141	7	331	0	6	15	2	4	23	0	10	209	6	0	225	704
7:00 PM	0	32	3	1	0	36	0	1	49	17	3	67	0	0	3	3	3	6	0	1	40	0	0	41	150
7:15 PM	0	23	3	3	0	29	0	3	40	17	0	60	0	3	3	1	1	7	0	1	43	1	1	45	141
7:30 PM	0	19	0	5	0	24	0	2	51	48	2	101	0	1	5	0	2	6	0	1	30	3	0	34	165
7:45 PM	0	11	5	2	0	18	0	2	39	22	1	63	0	3	6	1	1	10	0	2	39	0	0	41	132
Hourly Total	0	85	11	11	0	107	0	8	179	104	6	291	0	7	17	5	7	29	0	5	152	4	1	161	588
8:00 PM	0	14	4	5	1	23	0	2	47	18	0	67	0	0	3	0	0	3	0	0	42	2	0	44	137
8:15 PM	0	14	5	2	0	21	0	1	28	7	0	36	0	0	1	1	1	2	0	5	39	0	1	44	103
8:30 PM	0	18	1	4	2	23	0	0	31	14	0	45	0	0	2	0	0	2	0	3	33	0	0	36	106
8:45 PM	0	8	2	2	0	12	0	1	31	9	0	41	0	0	1	1	0	2	0	0	27	0	0	27	82
Hourly Total	0	54	12	13	3	79	0	4	137	48	0	189	0	0	7	2	1	9	0	8	141	2	1	151	428
9:00 PM	0	7	4	5	0	16	0	2	18	14	3	34	0	0	2	1	0	3	0	1	19	2	0	22	75
9:15 PM	0	10	5	1	0	16	0	0	22	10	2	32	0	0	3	0	0	3	0	1	23	1	0	25	76
9:30 PM	0	6	3	0	0	9	0	1	15	14	1	30	0	2	0	3	0	5	0	1	17	1	2	19	63
9:45 PM	0	11	6	1	0	18	0	1	23	10	0	34	0	0	3	2	0	5	0	3	18	0	0	21	78
Hourly Total	0	34	18	7	0	59	0	4	78	48	6	130	0	2	8	6	0	16	0	6	77	4	2	87	292
10:00 PM	0	10	3	4	0	17	0	1	19	9	0	29	0	1	1	1	0	3	0	1	22	1	0	24	73
10:15 PM	0	6	4	2	0	12	0	2	14	11	0	27	0	0	0	1	0	1	0	0	20	1	0	21	61
10:30 PM	0	10	0	0	0	10	0	0	12	4	0	16	0	0	0	0	0	0	0	2	23	1	0	26	52
10:45 PM	0	8	2	0	0	10	0	0	8	4	0	12	0	0	0	0	0	0	0	1	22	0	0	23	45
Hourly Total	0	34	9	6	0	49	0	3	53	28	0	84	0	1	1	2	0	4	0	4	87	3	0	94	231
11:00 PM	0	7	1	1	0	9	0	0	8	8	0	16	0	0	1	0	0	1	0	0	11	0	0	11	37
11:15 PM	0	11	0	0	0	11	0	0	13	9	0	22	0	0	0	0	0	0	0	0	10	0	0	10	43
11:30 PM	0	4	1	0	0	5	0	1	22	28	0	51	0	0	0	0	0	0	0	1	10	0	0	11	67
11:45 PM	0	6	1	1	1	8	0	0	6	8	0	14	0	0	0	0	0	0	0	2	11	1	0	14	36
Hourly Total	0	28	3	2	1	33	0	1	49	53	0	103	0	0	1	0	0	1	0	3	42	1	0	46	183
DAILY TOTAL	0	2112	322	254	17	2688	0	148	4154	2208	63	6510	0	93	288	120	29	501	0	187	3514	166	10	3867	13566
Cars	0	2060	317	249	14	2626	0	148	4107	2154	55	6409	0	93	284	118	16	495	0	185	3467	164	6	3816	13346
Heavy Vehicles	0	52	5	5	3	62	0	0	47	54	8	101	0	0	4	2	13	6	0	2	47	2	4	51	220
Heavy Vehicle %	0.00%	2.46%	1.55%	1.97%	17.65%	2.31%	0.00%	0.00%	1.13%	2.45%	12.70%	1.55%	0.00%	0.00%	1.39%	1.67%	44.83%	1.20%	0.00%	1.07%	1.34%	1.20%	40.00%	1.32%	1.62%

TMC 2537 - CSAH 1 @ 7th Ave
Anoka MN
Wednesday, June 18, 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	59	3	4	0	66	0	0	61	10	0	71	0	2	2	4	0	8	0	4	67	1	0	72	217
7:30 AM	0	37	6	4	0	47	0	0	94	32	0	126	0	1	6	4	0	11	0	0	71	2	1	73	257
7:45 AM	0	41	3	5	0	49	0	0	50	21	0	71	0	4	5	2	0	11	0	2	89	1	0	92	223
8:00 AM	0	32	4	5	0	41	0	2	52	16	1	70	0	1	1	0	0	2	0	3	60	1	0	64	177
Peak Hour Total	0	169	16	18	0	203	0	2	257	79	1	338	0	8	14	10	0	32	0	9	287	5	1	301	874
Peak Hour Heavy Vehicles	0	6	0	1	0	7	0	0	6	3	1	9	0	0	0	0	0	0	0	1	3	0	0	4	20
Peak Hour Heavy Vehicles %	0.00%	3.55%	0.00%	5.56%	0.00%	3.45%	0.00%	0.00%	2.33%	3.80%	100.00%	2.66%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	11.11%	1.05%	0.00%	0.00%	1.33%	2.29%
PHF	0.000	0.716	0.667	0.900	0.000	0.769	0.000	0.250	0.684	0.617	0.250	0.671	0.000	0.500	0.583	0.625	0.000	0.727	0.000	0.563	0.806	0.625	0.250	0.818	0.850

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	30	8	4	0	42	0	5	67	29	0	101	0	0	2	3	1	5	0	0	64	3	0	67	215
1:15 PM	0	25	7	3	1	35	0	5	53	30	3	88	0	2	6	0	2	8	0	2	54	5	1	61	192
1:30 PM	0	27	3	3	1	33	0	1	78	41	1	120	0	0	3	3	0	6	0	6	59	7	0	72	231
1:45 PM	0	34	6	1	0	41	0	4	66	32	1	102	0	2	4	1	0	7	0	2	64	4	1	70	220
Peak Hour Total	0	116	24	11	2	151	0	15	264	132	5	411	0	4	15	7	3	26	0	10	241	19	2	270	858
Peak Hour Heavy Vehicles	0	2	1	1	0	4	0	0	1	11	1	12	0	0	0	0	0	0	0	0	3	0	2	3	19
Peak Hour Heavy Vehicles %	0.00%	1.72%	4.17%	9.09%	0.00%	2.65%	0.00%	0.00%	0.38%	8.33%	20.00%	2.92%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.24%	0.00%	100.00%	1.11%	2.21%
PHF	0.000	0.853	0.750	0.688	0.500	0.899	0.000	0.750	0.846	0.805	0.417	0.856	0.000	0.500	0.625	0.583	0.375	0.813	0.000	0.417	0.941	0.679	0.500	0.938	0.929

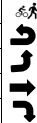
PM Peak Hour (14:00 - 24:00)

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	
3:30 PM	0	38	4	3	0	45	0	6	108	71	3	185	0	5	11	4	3	20	0	5	57	7	0	69	319
3:45 PM	0	52	9	3	0	64	0	1	104	58	1	163	0	1	7	6	0	14	0	2	52	2	0	56	297
4:00 PM	0	27	3	5	0	35	0	1	101	62	0	164	0	1	5	1	0	7	0	6	68	0	0	74	280
4:15 PM	0	29	11	8	0	48	0	2	111	78	5	191	0	6	3	1	0	10	0	3	61	2	0	66	315
Peak Hour Total	0	146	27	19	0	192	0	10	424	269	9	703	0	13	26	12	3	51	0	16	238	11	0	265	1211
Peak Hour Heavy Vehicles	0	0	0	0	0	0	0	0	2	2	2	4	0	0	0	0	0	0	0	0	0	0	0	0	4
Peak Hour Heavy Vehicles %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.47%	0.74%	22.22%	0.57%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.33%
PHF	0.000	0.702	0.614	0.594	0.000	0.750	0.000	0.417	0.955	0.862	0.450	0.920	0.000	0.542	0.591	0.500	0.250	0.638	0.000	0.667	0.875	0.393	0.000	0.895	0.949

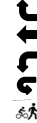
Total Vehicles On Leg				5371			
Vehicles Entering Intersection				2683			
Southbound				Intersection			
Cars	249	317	2060	0	14		
Heavy	5	5	52	0	3		
Total	254	322	2112	0	17		



Total Vehicles on Leg 8368	Vehicles Entering Intersection 3867	Eastbound	Cars	Heavy	Total	
			6	4	10	
			0	0	0	
	Vehicles Exiting Intersection 4501		185	2	187	
			3467	47	3514	
			164	2	166	



Daily Volumes



Cars	Heavy	Total	Westbound	Vehicles Entering Intersection 6510	Total Vehicles on Leg 12256
2154	54	2208			
4107	47	4154			
148	0	148			
0	0	0			
55	8	63		Vehicles Exiting Intersection 5746	

Cars	16	0	93	284	118
Heavy	13	0	0	4	2
Total	29	0	93	288	120
Northbound					
Vehicles Entering Intersection 501			Vehicles Exiting Intersection 636		
Total Vehicles On Leg			1137		

TMC 2537 - CSAH 1 @ 7th Ave
Anoka MN
Wednesday, June 18, 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	0	0	0	0	0
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	0	0	0	0	0
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	0	0	0	0	0
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	0	0	0	0	0
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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
3:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
5:15 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
5:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
5:45 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	1	1	1
6:00 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
6:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	2
6:30 AM	0	5	0	0	0	5	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	7
6:45 AM	0	2	0	0	0	2	0	0	1	1	0	2	0	0	0	0	0	0	0	0	1	0	0	1	5
Hourly 'Heavy Vehicles'	0	7	0	0	0	7	0	0	3	1	0	4	0	0	0	0	0	0	0	0	5	0	0	5	16
7:00 AM	0	1	0	0	0	1	0	0	0	2	0	2	0	0	0	0	1	0	0	0	1	0	0	1	4
7:15 AM	0	1	0	0	0	1	0	0	1	2	0	3	0	0	0	0	0	0	0	0	1	0	0	1	5
7:30 AM	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
7:45 AM	0	2	0	1	0	3	0	0	2	1	0	3	0	0	0	0	0	0	0	0	1	2	0	3	9
Hourly 'Heavy Vehicles'	0	5	0	1	0	6	0	0	4	5	0	9	0	0	0	0	1	0	0	1	4	0	0	5	20

**TMC 2537 - CSAH 1 @ 7th Ave
Anoka MN
Wednesday, June 18, 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	0	0	2	0	0	2	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	4
8:15 AM	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	3	1	0	4	6
8:30 AM	0	2	1	0	0	3	0	0	1	0	0	1	0	0	1	0	0	1	0	0	2	0	0	2	7
8:45 AM	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	4
Hourly 'Heavy Vehicles'	0	6	1	0	0	7	0	0	5	0	1	5	0	0	1	0	0	1	0	0	7	1	0	8	21
9:00 AM	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
9:15 AM	0	1	0	0	0	1	0	0	1	6	0	7	0	0	1	0	0	1	0	0	1	0	0	1	10
9:30 AM	0	0	0	0	0	0	0	0	1	3	0	4	0	0	0	1	0	1	0	0	0	0	0	0	5
9:45 AM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	2	0	0	0	2	0	0	2	10	0	12	0	0	1	1	0	2	0	0	1	0	0	1	17
10:00 AM	0	0	0	0	0	0	0	0	3	1	0	4	0	0	1	0	0	1	0	0	1	0	0	1	6
10:15 AM	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	4
10:30 AM	0	11	0	0	0	11	0	0	1	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	13
10:45 AM	0	1	1	0	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3
Hourly 'Heavy Vehicles'	0	14	1	0	0	15	0	0	4	3	0	7	0	0	1	0	0	1	0	0	3	0	0	3	26
11:00 AM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0	1	0	0	4	1	0	5	7
11:15 AM	0	2	0	0	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	0	0	2	5
11:30 AM	0	0	1	1	0	2	0	0	2	1	0	3	0	0	0	0	0	0	0	0	1	0	0	1	6
11:45 AM	0	2	0	1	0	3	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	5
Hourly 'Heavy Vehicles'	0	4	1	2	0	7	0	0	4	2	0	6	0	0	0	1	0	1	0	0	8	1	0	9	23
12:00 PM	0	2	0	0	0	2	0	0	3	2	0	5	0	0	1	0	0	1	0	0	1	0	0	1	9
12:15 PM	0	1	0	0	0	1	0	0	2	1	0	3	0	0	0	0	1	0	0	0	1	0	0	1	5
12:30 PM	0	0	0	1	0	1	0	0	1	4	0	5	0	0	0	0	0	0	0	0	2	0	0	2	8
12:45 PM	0	2	0	0	0	2	0	0	2	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	6
Hourly 'Heavy Vehicles'	0	5	0	1	0	6	0	0	8	9	0	17	0	0	1	0	1	1	0	0	4	0	0	4	28
1:00 PM	0	1	0	0	0	1	0	0	1	4	0	5	0	0	0	0	0	0	0	0	0	0	0	0	6
1:15 PM	0	0	1	1	0	2	0	0	0	3	0	3	0	0	0	0	1	0	0	0	2	0	1	2	7
1:30 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	1
1:45 PM	0	1	0	0	0	1	0	0	0	3	0	3	0	0	0	0	0	0	0	0	1	0	1	1	5
Hourly 'Heavy Vehicles'	0	2	1	1	0	4	0	0	1	11	1	12	0	0	0	0	1	0	0	0	3	0	2	3	19
2:00 PM	0	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
2:15 PM	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2
2:30 PM	0	0	1	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	3
2:45 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	2	1	0	0	3	0	0	2	1	1	3	0	0	0	0	2	0	0	0	1	0	1	1	7
3:00 PM	0	2	0	0	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	4
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	0	0	0	0	0	0	1	2	1	0	0	0	0	3	0	0	0	0	0	0	0	1
3:45 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	1
Hourly 'Heavy Vehicles'	0	2	0	0	0	2	0	0	1	4	2	5	0	0	0	0	3	0	0	0	2	0	0	2	9

TMC 2537 - CSAH 1 @ 7th Ave
Anoka MN
Wednesday, June 18, 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 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	2
4:30 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
4:45 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	1
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
5:00 PM	0	0	0	0	2	0	0	0	2	2	0	4	0	0	0	0	0	0	0	0	0	2	0	2	6
5:15 PM	0	0	0	0	0	0	0	0	2	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	2
5:30 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
5:45 PM	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1	2
Hourly 'Heavy Vehicles'	0	0	0	0	2	0	0	0	4	3	1	7	0	0	0	0	0	0	0	0	0	3	0	3	10
6:00 PM	0	0	0	0	0	0	0	0	2	1	0	3	0	0	0	0	1	0	0	0	0	0	0	0	3
6:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0
6:30 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	1
6:45 PM	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	1	0	0	2	3
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	3	2	1	5	0	0	0	0	4	0	0	1	1	0	0	2	7
7:00 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
7:15 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
7:30 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	1
7:45 PM	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	2	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	2
8:00 PM	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
8:15 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
8:30 PM	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
8:45 PM	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
Hourly 'Heavy Vehicles'	0	1	0	0	1	1	0	0	1	1	0	2	0	0	0	0	0	0	0	0	2	0	0	2	5
9:00 PM	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
9:15 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
9:30 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
9:45 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
Hourly 'Heavy Vehicles'	0	1	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2
10:00 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	1
10:15 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
10:30 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
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
Hourly 'Heavy Vehicles'	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
11:00 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
11:15 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
11:30 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
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
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
DAILY 'Heavy Vehicles'	0	52	5	5	3	62	0	0	47	54	8	101	0	0	4	2	13	6	0	2	47	2	4	51	220

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2537

Study Date : 08/07/2025

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 1

Number of Lanes : 2+

Total Approach Volume: 3,867

Westbound: CSAH 1

Number of Lanes :2+

Total Approach Volume: 6,510

Minor Street Approaches

Northbound: 7th Ave

Number of Lanes :1

Total Approach Volume: 501

Southbound: 7th Ave

Number of Lanes :1

Total Approach Volume: 2,434

Warrant Summary (Urban Values Apply)

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

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

Required volumes reached for 6 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 12 hours, 8 are needed

Required 1B volumes reached for 4 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 (30) 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 2537

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 6 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 CSAH 1						Minor Road 7th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
15:30 - 16:30	265	+	703	=	968	51	173	Yes
14:30 - 15:30	258	+	590	=	848	29	209	Yes
13:30 - 14:30	273	+	474	=	747	41	166	Yes
11:30 - 12:30	221	+	387	=	608	34	156	Yes
06:45 - 07:45	291	+	312	=	603	34	219	Yes
10:15 - 11:15	239	+	361	=	600	34	165	Yes
16:30 - 17:30	257	+	656	=	913	39	121	No
16:45 - 17:45	230	+	624	=	854	39	132	No
17:00 - 18:00	208	+	643	=	851	29	135	No
17:15 - 18:15	200	+	596	=	796	29	120	No
17:30 - 18:30	197	+	520	=	717	23	112	No
13:15 - 14:15	269	+	427	=	696	37	144	No
13:00 - 14:00	270	+	411	=	681	26	140	No
12:45 - 13:45	270	+	387	=	657	30	135	No
17:45 - 18:45	204	+	426	=	630	23	101	No
12:30 - 13:30	260	+	362	=	622	29	138	No
11:15 - 12:15	218	+	404	=	622	31	148	No
08:15 - 09:15	262	+	322	=	584	27	170	No
08:30 - 09:30	242	+	336	=	578	28	161	No
08:45 - 09:45	240	+	337	=	577	32	150	No
08:00 - 09:00	268	+	308	=	576	24	168	No
10:00 - 11:00	218	+	353	=	571	34	168	No
07:45 - 08:45	288	+	282	=	570	29	164	No
18:00 - 19:00	225	+	331	=	556	23	109	No
09:45 - 10:45	221		335		556	34	156	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2537

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						Minor Road		
CSAH 1						7th Ave		
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met?
16:00 - 17:00	274	+	698	=	972	38	116	Yes
15:00 - 16:00	240	+	678	=	918	54	184	Yes
14:45 - 15:45	254	+	629	=	883	43	193	No
17:00 - 18:00	208	+	643	=	851	29	135	No
14:30 - 15:30	258	+	590	=	848	29	209	No
14:15 - 15:15	270	+	567	=	837	31	222	No
17:15 - 18:15	200	+	596	=	796	29	120	No
14:00 - 15:00	274	+	512	=	786	37	224	No
13:45 - 14:45	274	+	500	=	774	41	194	No
13:30 - 14:30	273	+	474	=	747	41	166	No
17:30 - 18:30	197	+	520	=	717	23	112	No
13:15 - 14:15	269	+	427	=	696	37	144	No
13:00 - 14:00	270	+	411	=	681	26	140	No
12:45 - 13:45	270	+	387	=	657	30	135	No
07:15 - 08:15	301	+	338	=	639	32	185	No
07:30 - 08:30	300	+	334	=	634	32	164	No
17:45 - 18:45	204	+	426	=	630	23	101	No
12:15 - 13:15	257	+	372	=	629	29	150	No
12:00 - 13:00	256	+	372	=	628	32	144	No
11:45 - 12:45	235	+	392	=	627	28	147	No
07:00 - 08:00	290	+	336	=	626	40	191	No
12:30 - 13:30	260	+	362	=	622	29	138	No
11:15 - 12:15	218	+	404	=	622	31	148	No
10:30 - 11:30	234	+	375	=	609	32	164	No
11:30 - 12:30	221		387		608	34	156	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2537

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

12 hours meet 1A minimums.
Only 4 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	265	+	703	=	968	51		173		Yes
16:30 - 17:30	257	+	656	=	913	39		121		Yes
14:30 - 15:30	258	+	590	=	848	29		209		Yes
13:30 - 14:30	273	+	474	=	747	41		166		Yes
07:30 - 08:30	300	+	334	=	634	32		164		Yes
12:30 - 13:30	260	+	362	=	622	29		138		Yes
10:30 - 11:30	234	+	375	=	609	32		164		Yes
11:30 - 12:30	221	+	387	=	608	34		156		Yes
08:30 - 09:30	242	+	336	=	578	28		161		Yes
09:30 - 10:30	214	+	328	=	542	34		133		Yes
06:30 - 07:30	301	+	235	=	536	32		236		Yes
18:15 - 19:15	214		297		511	20		122		Yes

Time	Major EB	+	Major WB	=	Total	Minor NB		Minor SB		Met1B?
15:30 - 16:30	265	+	703	=	968	51		173		Yes
16:30 - 17:30	257	+	656	=	913	39		121		Yes
14:30 - 15:30	258	+	590	=	848	29		209		Yes
13:30 - 14:30	273	+	474	=	747	41		166		Yes
17:30 - 18:30	197	+	520	=	717	23		112		No
13:15 - 14:15	269	+	427	=	696	37		144		No
13:00 - 14:00	270	+	411	=	681	26		140		No
12:45 - 13:45	270	+	387	=	657	30		135		No
07:15 - 08:15	301	+	338	=	639	32		185		No
07:30 - 08:30	300	+	334	=	634	32		164		No
17:45 - 18:45	204	+	426	=	630	23		101		No
12:15 - 13:15	257		372		629	29		150		No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2537

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.

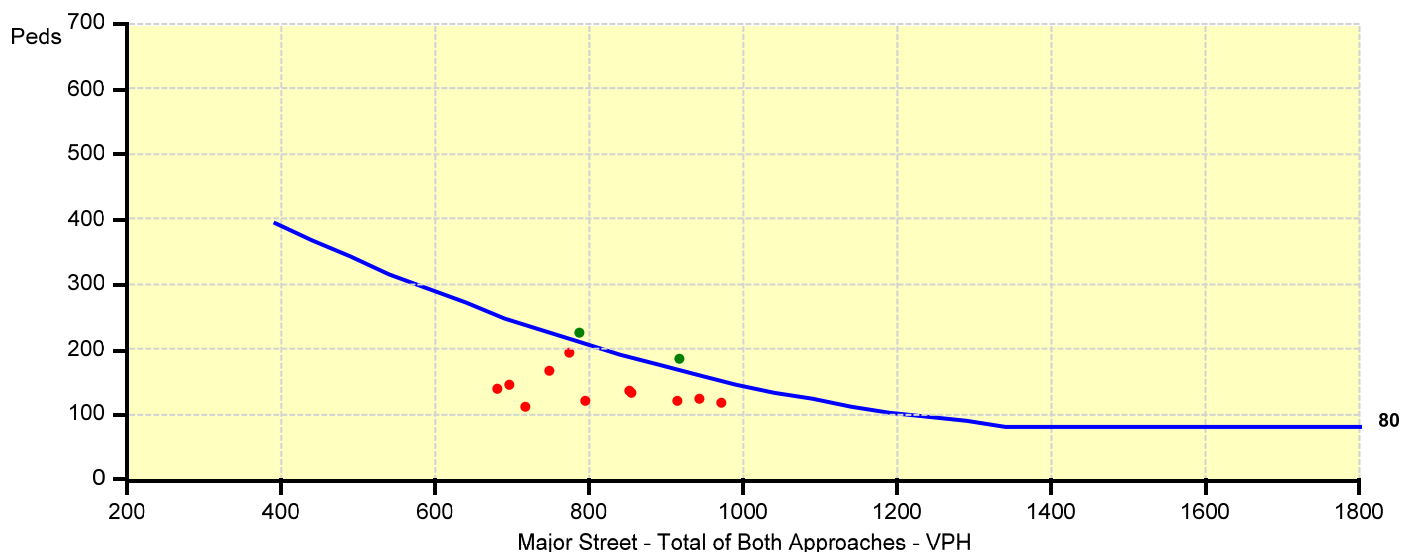
Summary

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?
15:00 - 16:00	240	+	678	=	918	54	184	Yes
14:00 - 15:00	274	+	512	=	786	37	224	Yes
16:00 - 17:00	274	+	698	=	972	38	116	No
16:15 - 17:15	260	+	682	=	942	40	123	No
16:30 - 17:30	257	+	656	=	913	39	121	No
16:45 - 17:45	230	+	624	=	854	39	132	No
17:00 - 18:00	208	+	643	=	851	29	135	No
17:15 - 18:15	200	+	596	=	796	29	120	No
13:45 - 14:45	274	+	500	=	774	41	194	No
13:30 - 14:30	273	+	474	=	747	41	166	No
17:30 - 18:30	197	+	520	=	717	23	112	No
13:15 - 14:15	269	+	427	=	696	37	144	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2537

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.

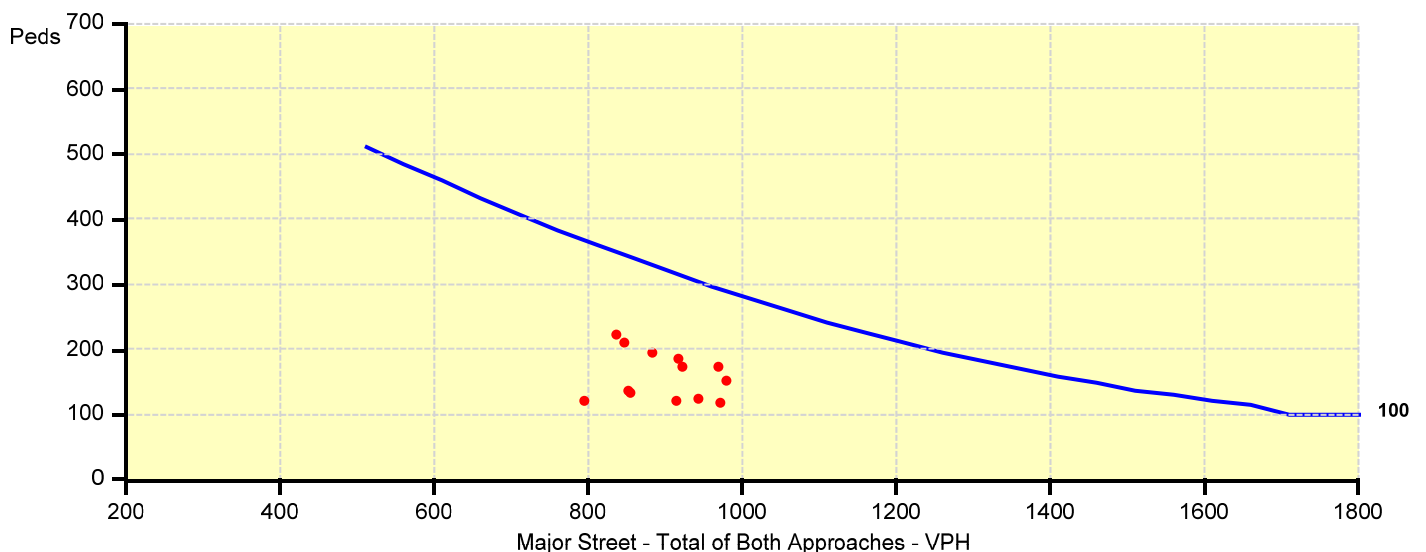
Summary

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?	
15:45 - 16:45	267	+	711	=	978	37	152	No	
16:00 - 17:00	274	+	698	=	972	38	116	No	
15:30 - 16:30	265	+	703	=	968	51	173	No	
16:15 - 17:15	260	+	682	=	942	40	123	No	
15:15 - 16:15	252	+	670	=	922	51	174	No	
15:00 - 16:00	240	+	678	=	918	54	184	No	
16:30 - 17:30	257	+	656	=	913	39	121	No	
14:45 - 15:45	254	+	629	=	883	43	193	No	
16:45 - 17:45	230	+	624	=	854	39	132	No	
17:00 - 18:00	208	+	643	=	851	29	135	No	
14:30 - 15:30	258	+	590	=	848	29	209	No	
14:15 - 15:15	270	+	567	=	837	31	222	No	



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2537

Study Date : 08/07/2025

Multiway Stop Warrants - Summary

Major Street Approaches

Eastbound: CSAH 1

Number of Lanes : 2+

Total Approach Volume: 3,867

Westbound: CSAH 1

Number of Lanes : 2+

Total Approach Volume: 6,510

Minor Street Approaches

Northbound: 7th Ave

Number of Lanes : 1

Total Approach Volume: 501

Southbound: 7th Ave

Number of Lanes : 1

Total Approach Volume: 2,434

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?
14:15 - 15:15	837	669.1	255	211.4	300	200	Yes
07:00 - 08:00	626		234				
15:30 - 16:30	968		224				
06:00 - 07:00	404		207				
10:30 - 11:30	609		199				
08:15 - 09:15	584		198				
12:15 - 13:15	629		190				
13:15 - 14:15	696		184				
09:30 - 10:30	542		174				
16:30 - 17:30	913		162				
18:45 - 19:45	484		162				
17:30 - 18:30	717		140				

Criteria D Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
15:30 - 16:30	968	749.4	224	198.5	240	160	Yes
14:15 - 15:15	837		255				
16:30 - 17:30	913		162				
13:15 - 14:15	696		184				
07:00 - 08:00	626		234				
17:30 - 18:30	717		140				
12:15 - 13:15	629		190				
10:30 - 11:30	609		199				
08:15 - 09:15	584		198				
09:30 - 10:30	542		174				
18:45 - 19:45	484		162				
06:00 - 07:00	404		207				