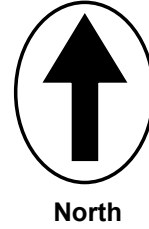


Date : 07/12/22

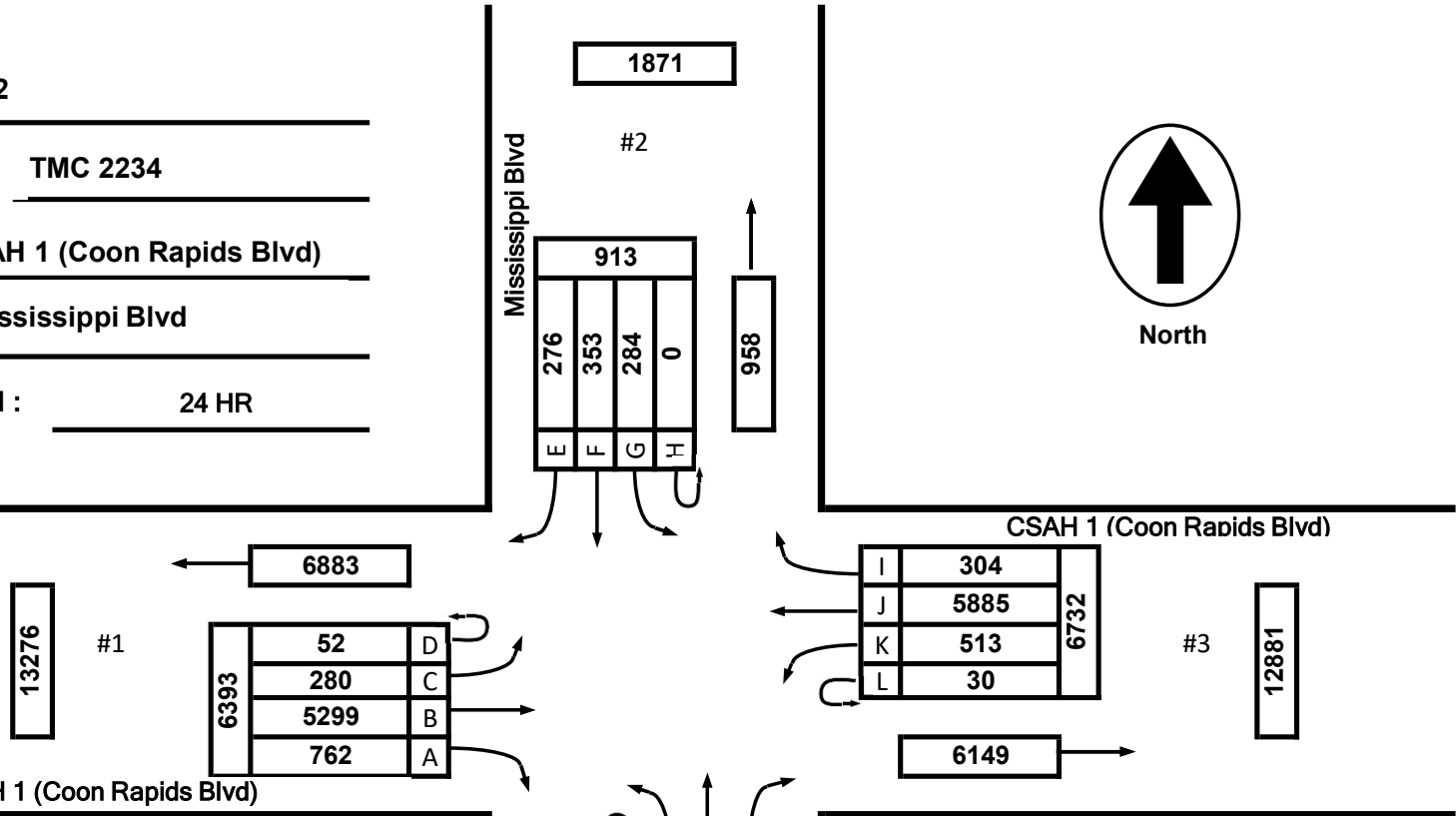
Count Number : TMC 2234

Location : CSAH 1 (Coon Rapids Blvd)
@ Mississippi Blvd

Collection Period : 24 HR



North



CSAH 1 (Coon Rapids Blvd)

CSAH 1 (Coon Rapids Blvd)

Mississippi Blvd

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

Anoka County Highway Department

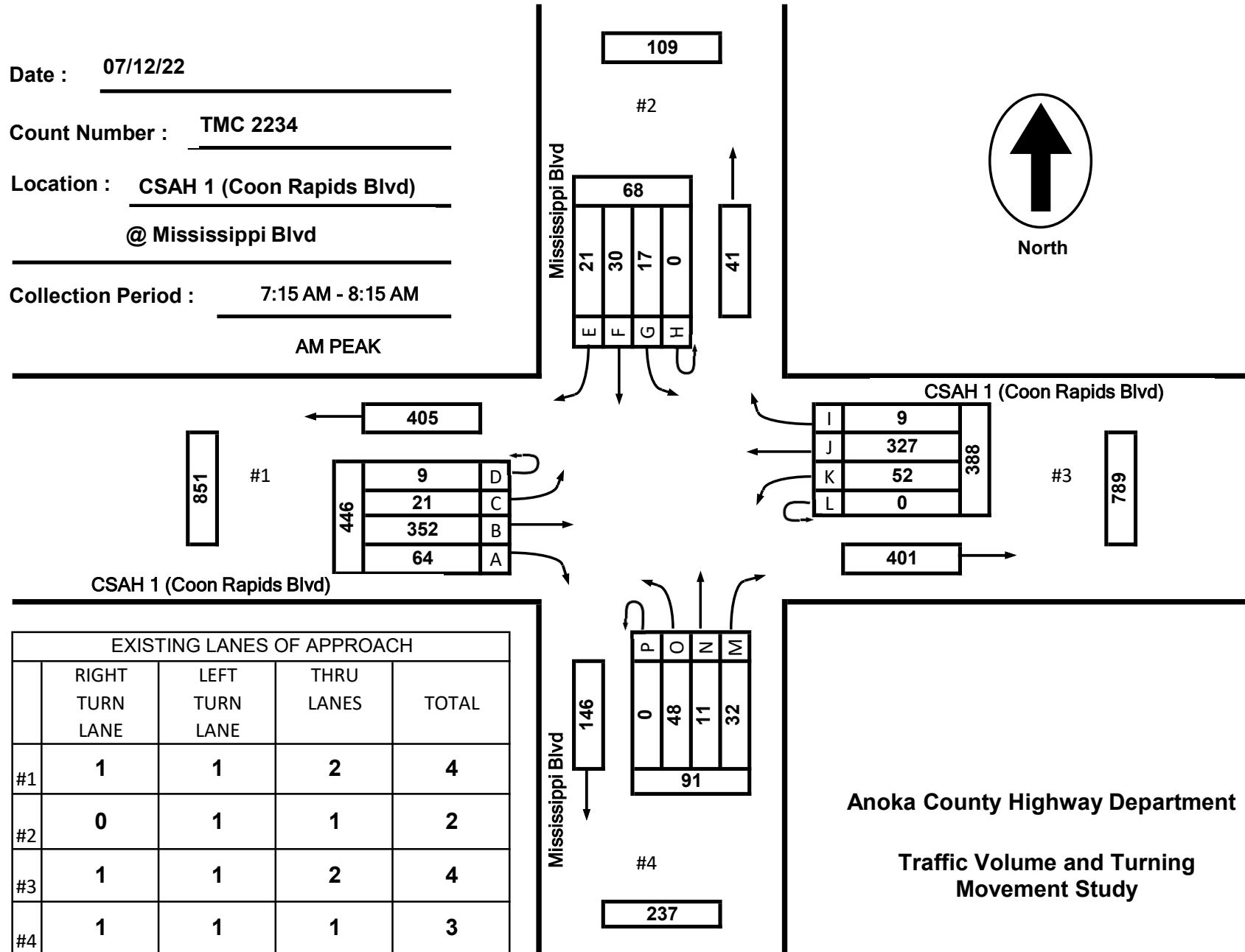
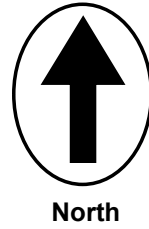
Traffic Volume and Turning Movement Study

Date : 07/12/22

Count Number : TMC 2234

Location : CSAH 1 (Coon Rapids Blvd)
@ Mississippi Blvd

Collection Period : 7:15 AM - 8:15 AM
AM PEAK



CSAH 1 (Coon Rapids Blvd)

CSAH 1 (Coon Rapids Blvd)

Mississippi Blvd

Mississippi Blvd

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

Anoka County Highway Department

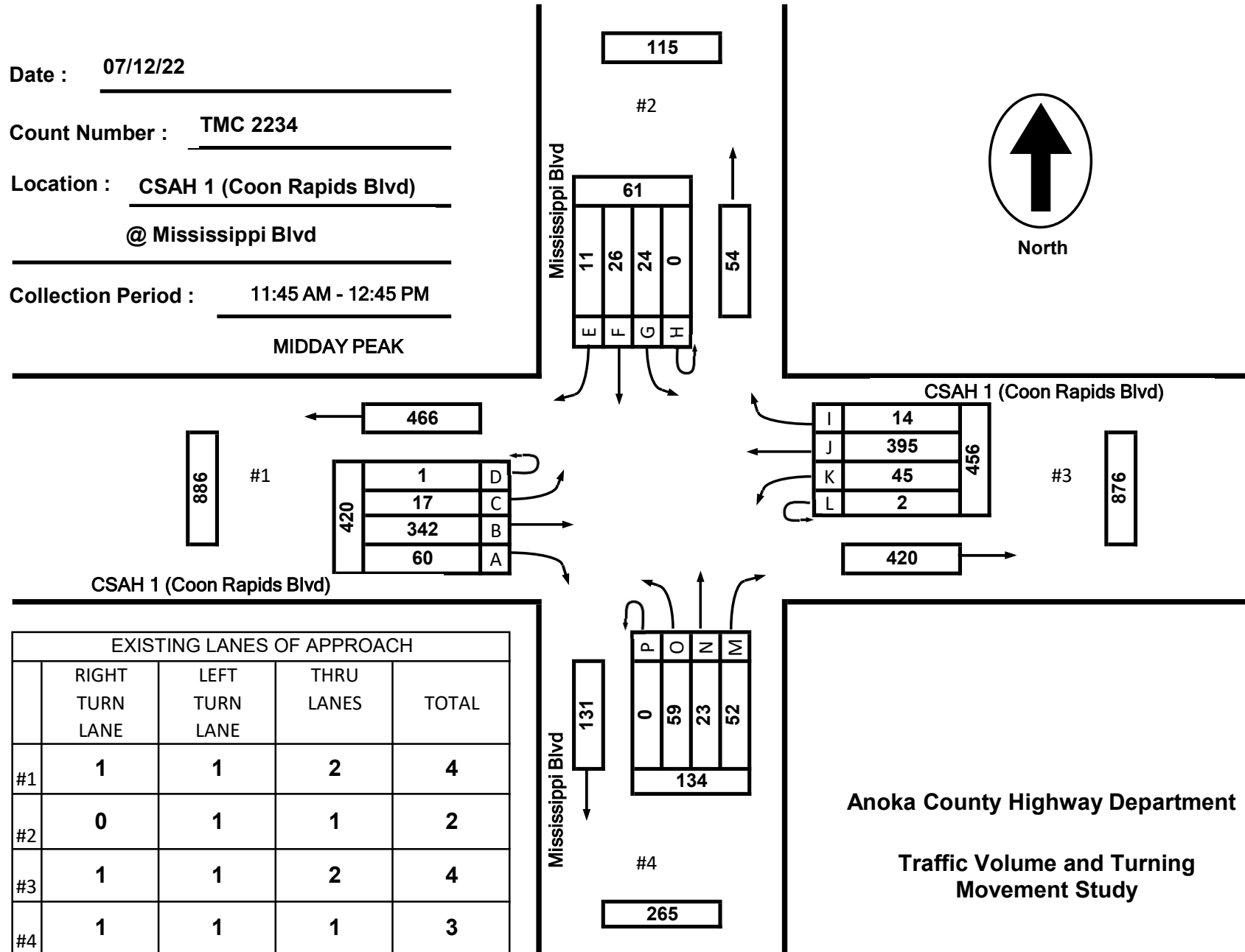
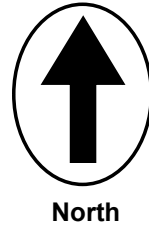
Traffic Volume and Turning Movement Study

Date : 07/12/22

Count Number : TMC 2234

Location : CSAH 1 (Coon Rapids Blvd)
@ Mississippi Blvd

Collection Period : 11:45 AM - 12:45 PM
MIDDAY PEAK



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

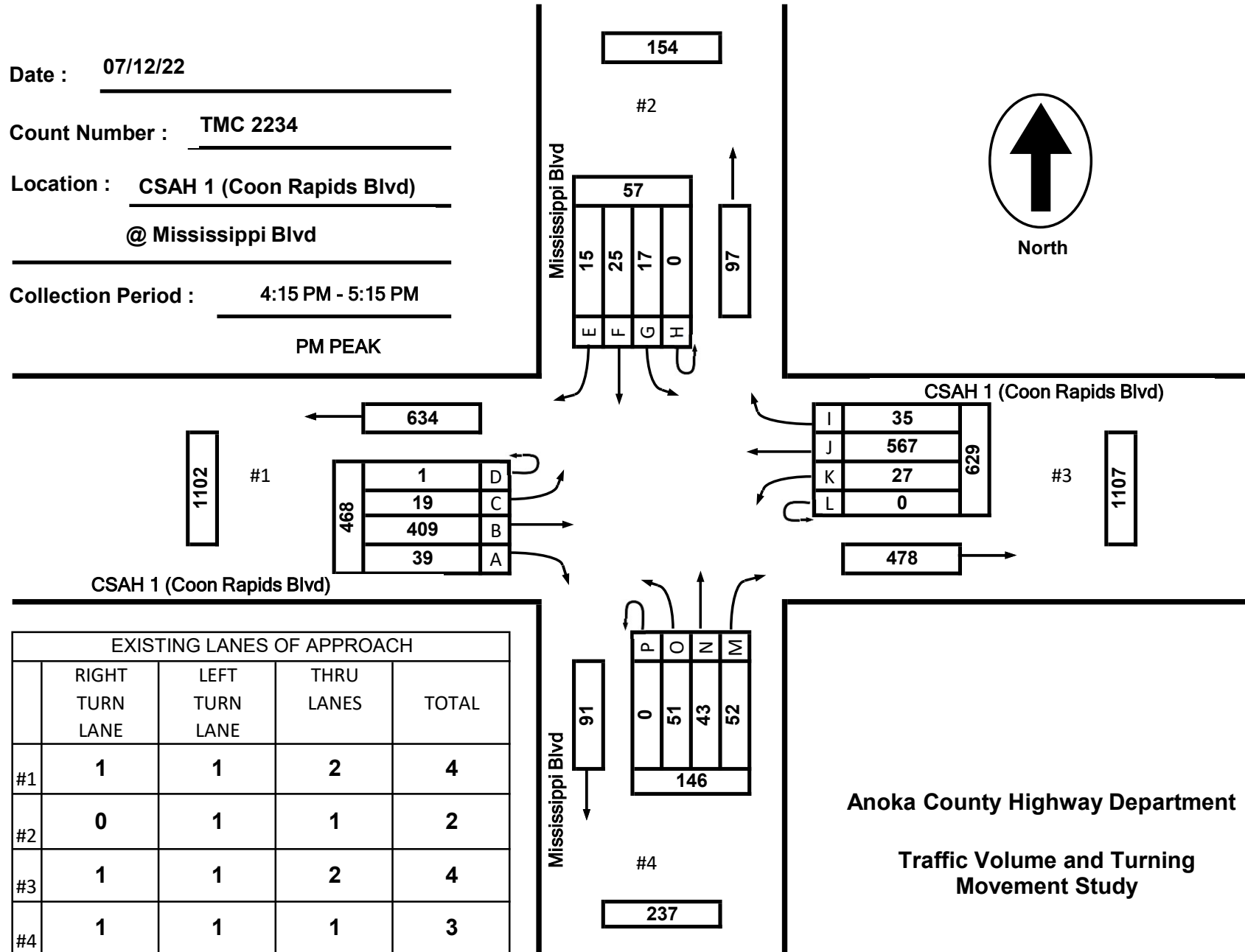
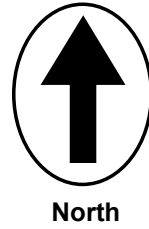
Anoka County Highway Department
Traffic Volume and Turning Movement Study

Date : 07/12/22

Count Number : TMC 2234

Location : CSAH 1 (Coon Rapids Blvd)
@ Mississippi Blvd

Collection Period : 4:15 PM - 5:15 PM
PM PEAK



Anoka County Highway Department
Traffic Volume and Turning Movement Study



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2234-t
 Site Code :
 Start Date : 07/12/2022
 Page No : 1

Weather: Warm & Sunny
 CountCAM 2
 Study Conducted by: Kevin

Groups Printed- Cars + - Trucks

Start Time	Mississippi Blvd Southbound						CSAH 1 (Coon Rapids Blvd) Westbound						Mississippi Blvd Northbound						CSAH 1 (Coon Rapids Blvd) Eastbound						Exclu. Total	Inclu. Total	Int. Total
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total			
00:00	0	0	0	0	0	0	0	8	0	0	0	0	8	0	0	0	0	0	1	7	1	0	0	9	0	17	17
00:15	0	0	0	0	0	0	0	5	0	0	0	0	5	0	0	0	0	0	3	7	0	0	0	10	0	15	15
00:30	0	0	0	0	0	0	2	9	0	0	0	11	0	0	1	0	0	1	0	7	0	0	0	7	0	19	19
00:45	0	1	0	0	0	1	0	6	0	0	0	6	1	0	1	0	0	2	0	5	0	0	0	5	0	14	14
Total	0	1	0	0	0	1	2	28	0	0	0	30	1	0	2	0	0	3	4	26	1	0	0	31	0	65	65
01:00	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	5	0	0	0	5	0	8	8
01:15	0	0	0	0	0	0	1	2	0	0	0	3	1	0	0	0	0	1	0	4	0	0	0	4	0	8	8
01:30	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	1	3	0	0	0	4	0	6	6
01:45	0	0	1	0	0	1	0	9	0	0	0	9	0	0	0	0	0	0	1	4	0	0	0	5	0	15	15
Total	0	0	1	0	0	1	1	15	0	0	0	16	1	0	1	0	0	2	2	16	0	0	0	18	0	37	37
02:00	1	0	1	0	0	2	0	4	0	0	0	4	0	0	0	0	0	0	0	4	0	0	0	4	0	10	10
02:15	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	8	1	0	0	9	0	10	10
02:30	0	0	0	0	0	0	0	1	4	0	0	5	0	0	0	0	0	0	0	4	0	0	0	4	0	9	9
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	3	3
Total	1	0	1	0	0	2	1	9	0	0	0	10	0	0	0	0	0	0	0	19	1	0	0	20	0	32	32
03:00	0	0	1	0	0	1	0	2	0	0	0	2	0	1	0	0	0	1	1	6	0	0	0	7	0	11	11
03:15	3	0	1	0	0	4	0	6	0	0	0	6	0	0	0	0	0	0	0	6	0	0	0	6	0	16	16
03:30	1	0	1	0	0	2	1	2	1	0	0	4	0	0	1	0	0	1	0	5	0	0	0	5	0	12	12
03:45	0	0	0	0	0	0	0	4	0	0	0	4	0	0	1	0	0	1	1	2	0	0	0	3	0	8	8
Total	4	0	3	0	0	7	1	14	1	0	0	16	0	1	2	0	0	3	2	19	0	0	0	21	0	47	47
04:00	1	0	0	0	0	1	1	5	1	0	0	7	1	0	1	0	0	2	1	7	0	0	0	8	0	18	18
04:15	0	0	2	0	0	2	0	9	2	0	0	11	0	0	2	0	0	2	0	7	0	0	0	7	0	22	22
04:30	4	1	4	0	0	9	0	12	1	0	0	13	2	0	1	0	0	3	0	17	0	0	0	17	0	42	42
04:45	0	0	0	0	0	0	1	4	1	0	0	6	1	0	2	0	0	3	2	18	1	0	0	21	0	30	30
Total	5	1	6	0	0	12	2	30	5	0	0	37	4	0	6	0	0	10	3	49	1	0	0	53	0	112	112
05:00	1	1	1	0	0	3	0	15	0	0	0	15	1	0	2	0	0	3	1	18	0	0	0	19	0	40	40
05:15	2	0	3	0	0	5	0	14	0	0	0	14	1	0	2	0	0	3	2	24	1	0	0	27	0	49	49
05:30	1	1	6	0	0	8	0	20	6	0	0	26	2	2	4	0	0	8	3	41	0	0	0	44	0	86	86
05:45	1	2	0	0	0	3	2	26	3	0	0	31	4	0	8	0	0	12	3	38	0	0	0	41	0	87	87
Total	5	4	10	0	0	19	2	75	9	0	0	86	8	2	16	0	0	26	9	121	1	0	0	131	0	262	262



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2234-t
 Site Code :
 Start Date : 07/12/2022
 Page No : 2

Weather: Warm & Sunny
 CountCAM 2
 Study Conducted by: Kevin

Groups Printed- Cars + - Trucks

Start Time	Mississippi Blvd Southbound						CSAH 1 (Coon Rapids Blvd) Westbound						Mississippi Blvd Northbound						CSAH 1 (Coon Rapids Blvd) Eastbound						Exclu. Total	Inclu. Total	Int. Total
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total			
06:00	1	3	2	0	0	6	1	32	3	0	0	36	0	0	4	0	0	4	2	45	0	1	0	48	0	94	94
06:15	5	1	3	0	0	9	5	39	8	0	0	52	3	2	7	0	0	12	7	50	1	1	0	59	0	132	132
06:30	4	3	3	0	0	10	3	67	6	0	0	76	3	5	4	0	0	12	7	73	2	1	0	83	0	181	181
06:45	5	2	8	0	0	15	2	67	13	0	0	82	4	1	13	0	0	18	7	67	5	1	0	80	0	195	195
Total	15	9	16	0	0	40	11	205	30	0	0	246	10	8	28	0	0	46	23	235	8	4	0	270	0	602	602
07:00	2	3	6	0	0	11	4	54	9	0	0	67	7	4	9	0	0	20	13	87	3	2	0	105	0	203	203
07:15	3	13	4	0	0	20	2	71	23	0	0	96	8	5	6	0	0	19	17	85	6	3	0	111	0	246	246
07:30	5	9	3	0	0	17	2	83	10	0	0	95	6	0	16	0	0	22	17	106	7	0	0	130	0	264	264
07:45	8	7	8	0	0	23	2	87	10	0	0	99	7	4	13	0	0	24	16	84	6	3	0	109	0	255	255
Total	18	32	21	0	0	71	10	295	52	0	0	357	28	13	44	0	0	85	63	362	22	8	0	455	0	968	968
08:00	5	1	2	0	0	8	3	86	9	0	0	98	11	2	13	0	0	26	14	77	2	3	0	96	0	228	228
08:15	7	4	5	0	0	16	0	64	12	1	0	77	12	5	8	0	0	25	17	64	5	2	0	88	0	206	206
08:30	2	7	4	0	1	13	4	81	14	2	0	101	6	5	13	0	0	24	17	79	4	2	1	102	2	240	242
08:45	8	6	3	0	0	17	1	88	6	0	0	95	9	2	9	0	0	20	8	83	4	0	0	95	0	227	227
Total	22	18	14	0	1	54	8	319	41	3	0	371	38	14	43	0	0	95	56	303	15	7	1	381	2	901	903
09:00	3	4	6	0	0	13	5	82	8	0	1	95	7	5	9	0	0	21	14	68	6	1	0	89	1	218	219
09:15	6	5	2	0	1	13	4	66	9	0	2	79	8	5	5	0	0	18	9	63	6	4	0	82	3	192	195
09:30	2	5	1	0	0	8	2	78	9	0	0	89	2	2	9	0	0	13	12	72	3	2	0	89	0	199	199
09:45	5	2	0	0	0	7	5	82	8	0	0	95	4	4	12	0	0	20	13	85	2	0	0	100	0	222	222
Total	16	16	9	0	1	41	16	308	34	0	3	358	21	16	35	0	0	72	48	288	17	7	0	360	4	831	835
10:00	0	8	6	0	0	14	3	77	13	1	0	94	11	3	9	0	0	23	8	57	7	2	0	74	0	205	205
10:15	3	2	5	0	0	10	4	86	8	2	0	100	6	7	15	0	0	28	7	78	2	4	0	91	0	229	229
10:30	4	4	2	0	0	10	2	70	4	0	0	76	8	3	15	0	0	26	7	79	6	1	0	93	0	205	205
10:45	8	1	1	0	1	10	4	85	4	0	0	93	5	6	7	0	0	18	5	81	1	0	0	87	1	208	209
Total	15	15	14	0	1	44	13	318	29	3	0	363	30	19	46	0	0	95	27	295	16	7	0	345	1	847	848
11:00	5	4	3	0	2	12	1	90	3	0	0	94	8	5	10	0	0	23	17	89	7	0	0	113	2	242	244
11:15	3	9	7	0	0	19	2	79	9	0	0	90	9	7	17	0	0	33	16	85	4	0	0	105	0	247	247
11:30	6	2	1	0	0	9	2	71	10	1	1	84	11	8	10	0	0	29	6	96	7	4	1	113	2	235	237
11:45	4	4	6	0	0	14	1	103	15	0	0	119	7	4	13	0	0	24	19	101	4	0	0	124	0	281	281
Total	18	19	17	0	2	54	6	343	37	1	1	387	35	24	50	0	0	109	58	371	22	4	1	455	4	1005	1009
12:00	3	11	4	0	0	18	6	82	5	2	1	95	15	9	11	0	0	35	11	98	6	1	1	116	2	264	266
12:15	0	6	5	0	0	11	3	107	15	0	0	125	15	4	19	0	0	38	15	68	4	0	0	87	0	261	261
12:30	4	5	9	0	0	18	4	103	10	0	0	117	15	6	16	0	0	37	15	75	3	0	1	93	1	265	266



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2234-t
 Site Code :
 Start Date : 07/12/2022
 Page No : 3

Weather: Warm & Sunny
 CountCAM 2
 Study Conducted by: Kevin

Groups Printed- Cars + - Trucks

Start Time	Mississippi Blvd Southbound						CSAH 1 (Coon Rapids Blvd) Westbound						Mississippi Blvd Northbound						CSAH 1 (Coon Rapids Blvd) Eastbound						Exclu. Total	Inclu. Total	Int. Total
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total			
12:45	2	4	3	0	0	9	3	119	8	0	0	130	13	13	13	0	0	39	18	69	7	0	0	94	0	272	272
Total	9	26	21	0	0	56	16	411	38	2	1	467	58	32	59	0	0	149	59	310	20	1	2	390	3	1062	1065
13:00	5	5	3	0	0	13	6	82	12	0	0	100	11	11	14	0	0	36	12	84	2	1	1	99	1	248	249
13:15	3	6	4	0	0	13	4	112	8	0	0	124	13	10	11	0	0	34	11	85	3	0	0	99	0	270	270
13:30	5	6	3	0	0	14	5	98	9	0	0	112	15	4	16	0	0	35	10	75	1	0	0	86	0	247	247
13:45	1	10	2	0	1	13	0	97	11	2	0	110	7	4	11	0	0	22	16	80	3	1	0	100	1	245	246
Total	14	27	12	0	1	53	15	389	40	2	0	446	46	29	52	0	0	127	49	324	9	2	1	384	2	1010	1012
14:00	3	8	2	0	0	13	10	93	5	0	1	108	18	6	16	0	0	40	13	87	5	1	1	106	2	267	269
14:15	3	3	4	0	0	10	6	105	5	2	2	118	6	4	10	0	0	20	12	83	2	1	0	98	2	246	248
14:30	6	7	3	0	0	16	5	115	6	0	0	126	10	8	7	0	0	25	7	95	3	0	0	105	0	272	272
14:45	8	2	3	0	0	13	9	127	5	1	0	142	9	4	8	0	0	21	8	82	4	1	0	95	0	271	271
Total	20	20	12	0	0	52	30	440	21	3	3	494	43	22	41	0	0	106	40	347	14	3	1	404	4	1056	1060
15:00	2	9	3	0	1	14	8	149	7	1	4	165	13	6	6	0	0	25	15	102	4	0	0	121	5	325	330
15:15	3	9	5	0	0	17	6	105	7	0	5	118	8	5	10	0	0	23	18	88	7	0	0	113	5	271	276
15:30	4	4	3	0	0	11	7	122	7	2	0	138	18	4	13	0	0	35	17	116	6	0	1	139	1	323	324
15:45	4	2	4	0	1	10	7	126	7	0	0	140	8	3	13	0	0	24	16	111	4	2	3	133	4	307	311
Total	13	24	15	0	2	52	28	502	28	3	9	561	47	18	42	0	0	107	66	417	21	2	4	506	15	1226	1241
16:00	5	4	8	0	0	17	11	126	10	0	0	147	13	8	9	0	0	30	12	95	8	0	0	115	0	309	309
16:15	4	4	4	0	1	12	5	156	10	0	0	171	11	11	13	0	0	35	13	111	4	0	1	128	2	346	348
16:30	4	7	2	0	0	13	8	128	4	0	1	140	9	9	9	0	0	27	6	108	4	1	1	119	2	299	301
16:45	3	8	4	0	1	15	7	152	4	0	0	163	8	10	17	0	0	35	8	91	7	0	0	106	1	319	320
Total	16	23	18	0	2	57	31	562	28	0	1	621	41	38	48	0	0	127	39	405	23	1	2	468	5	1273	1278
17:00	4	6	7	0	0	17	15	131	9	0	0	155	24	13	12	0	0	49	12	99	4	0	0	115	0	336	336
17:15	7	10	2	0	0	19	5	137	7	0	0	149	7	11	9	0	0	27	9	91	3	0	0	103	0	298	298
17:30	6	7	3	0	1	16	5	127	11	0	1	143	9	5	13	0	0	27	12	98	6	1	0	117	2	303	305
17:45	6	6	8	0	1	20	8	126	7	1	1	142	6	9	9	0	0	24	21	82	10	1	0	114	2	300	302
Total	23	29	20	0	2	72	33	521	34	1	2	589	46	38	43	0	0	127	54	370	23	2	0	449	4	1237	1241
18:00	10	4	1	0	0	15	9	100	8	2	1	119	8	8	16	0	0	32	12	90	3	0	0	105	1	271	272
18:15	6	5	3	0	0	14	1	78	2	1	0	82	9	6	9	0	0	24	12	64	6	0	1	82	1	202	203
18:30	1	5	8	0	0	14	9	63	7	0	0	79	5	9	6	0	0	20	9	69	6	0	0	84	0	197	197
18:45	4	7	3	0	0	14	3	88	2	1	2	94	6	7	6	0	0	19	8	60	1	0	0	69	2	196	198
Total	21	21	15	0	0	57	22	329	19	4	3	374	28	30	37	0	0	95	41	283	16	0	1	340	4	866	870



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2234-t
 Site Code :
 Start Date : 07/12/2022
 Page No : 4

Weather: Warm & Sunny
 CountCAM 2
 Study Conducted by: Kevin

Groups Printed- Cars + - Trucks

Start Time	Mississippi Blvd Southbound						CSAH 1 (Coon Rapids Blvd) Westbound						Mississippi Blvd Northbound						CSAH 1 (Coon Rapids Blvd) Eastbound						Exclu. Total	Inclu. Total	Int. Total
	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total	Right	Thru	Left	UTrn	Peds	App. Total			
19:00	3	4	3	0	0	10	3	72	6	0	1	81	5	7	3	0	0	15	15	76	4	0	1	95	2	201	203
19:15	3	13	2	0	2	18	5	61	4	1	0	71	8	9	6	0	0	23	11	56	2	1	0	70	2	182	184
19:30	4	0	4	0	1	8	5	56	4	2	0	67	1	7	5	0	0	13	8	59	5	0	2	72	3	160	163
19:45	7	10	5	0	0	22	6	64	9	1	0	80	2	7	6	0	0	15	9	63	2	0	0	74	0	191	191
Total	17	27	14	0	3	58	19	253	23	4	1	299	16	30	20	0	0	66	43	254	13	1	3	311	7	734	741
20:00	1	10	9	0	0	20	4	59	8	1	1	72	2	2	8	0	0	12	8	42	2	0	0	52	1	156	157
20:15	1	3	3	0	0	7	6	53	5	0	0	64	6	4	7	0	0	17	8	47	8	0	0	63	0	151	151
20:30	1	6	2	0	0	9	4	62	5	0	0	71	5	5	4	0	0	14	8	45	7	0	0	60	0	154	154
20:45	1	2	3	0	0	6	4	38	6	0	0	48	6	5	8	0	0	19	7	41	4	0	0	52	0	125	125
Total	4	21	17	0	0	42	18	212	24	1	1	255	19	16	27	0	0	62	31	175	21	0	0	227	1	586	587
21:00	2	4	3	0	0	9	2	32	4	0	0	38	6	8	2	0	0	16	9	42	1	0	0	52	0	115	115
21:15	1	3	3	0	0	7	3	42	2	2	0	49	1	2	1	0	0	4	6	31	2	0	0	39	0	99	99
21:30	2	6	4	0	0	12	6	34	1	0	0	41	1	6	6	0	0	13	5	36	3	0	0	44	0	110	110
21:45	0	0	4	0	0	4	3	31	3	0	0	37	0	1	6	0	0	7	5	24	2	1	0	32	0	80	80
Total	5	13	14	0	0	32	14	139	10	2	0	165	8	17	15	0	0	40	25	133	8	1	0	167	0	404	404
22:00	3	4	3	0	0	10	0	24	1	0	0	25	0	2	0	0	0	2	3	32	1	1	0	37	0	74	74
22:15	4	1	3	0	0	8	3	29	4	1	0	37	3	1	2	0	0	6	4	19	2	0	0	25	0	76	76
22:30	2	0	3	0	0	5	1	31	2	0	0	34	1	0	3	0	0	4	6	23	0	0	0	29	0	72	72
22:45	4	1	0	0	0	5	0	20	1	0	0	21	0	1	5	0	0	6	2	27	0	1	0	30	0	62	62
Total	13	6	9	0	0	28	4	104	8	1	0	117	4	4	10	0	0	18	15	101	3	2	0	121	0	284	284
23:00	2	0	1	0	0	3	0	30	2	0	0	32	4	1	3	0	0	8	2	26	2	0	1	30	1	73	74
23:15	0	1	1	0	0	2	0	7	0	0	0	7	0	0	0	0	0	0	2	19	2	0	0	23	0	32	32
23:30	0	0	0	0	0	0	1	15	0	0	0	16	0	2	0	0	0	2	1	23	1	0	0	25	0	43	43
23:45	0	0	3	0	0	3	0	12	0	0	0	12	0	0	0	0	0	0	0	8	0	0	0	8	0	23	23
Total	2	1	5	0	0	8	1	64	2	0	0	67	4	3	3	0	0	10	5	76	5	0	1	86	1	171	172
Grand Total	276	353	284	0	15	913	304	5885	513	30	25	6732	536	374	670	0	0	1580	762	5299	280	52	17	6393	57	15618	15675
Apprch %	30.2	38.7	31.1	0	0	0	4.5	87.4	7.6	0.4	0	0	33.9	23.7	42.4	0	0	0	11.9	82.9	4.4	0.8	0	0	0	0	0
Total %	1.8	2.3	1.8	0	0	5.8	1.9	37.7	3.3	0.2	0	43.1	3.4	2.4	4.3	0	10.1	4.9	33.9	1.8	0.3	0	40.9	0.4	99.6	0	0
Cars +	268	343	275	0	0	901	293	5668	493	30	0	6509	508	368	642	0	0	1518	725	5122	265	44	0	6173	0	0	15101
% Cars +	97.1	97.2	96.8	0	100	97.1	96.4	96.3	96.1	100	100	96.3	94.8	98.4	95.8	0	0	96.1	95.1	96.7	94.6	84.6	100	96.3	0	0	96.3
Trucks	8	10	9	0	0	27	11	217	20	0	0	248	28	6	28	0	0	62	37	177	15	8	0	237	0	0	574
% Trucks	2.9	2.8	3.2	0	0	2.9	3.6	3.7	3.9	0	0	3.7	5.2	1.6	4.2	0	0	3.9	4.9	3.3	5.4	15.4	0	3.7	0	0	3.7



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2234-t
 Site Code :
 Start Date : 07/12/2022
 Page No : 5

Weather: Warm & Sunny
 CountCAM 2
 Study Conducted by: Kevin

Start Time	Mississippi Blvd Southbound					CSAH 1 (Coon Rapids Blvd) Westbound					Mississippi Blvd Northbound					CSAH 1 (Coon Rapids Blvd) Eastbound					Int. Total
	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	
Peak Hour Analysis From 00:00 to 09:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15																					
07:15	3	13	4	0	20	2	71	23	0	96	8	5	6	0	19	17	85	6	3	111	246
07:30	5	9	3	0	17	2	83	10	0	95	6	0	16	0	22	17	106	7	0	130	264
07:45	8	7	8	0	23	2	87	10	0	99	7	4	13	0	24	16	84	6	3	109	255
08:00	5	1	2	0	8	3	86	9	0	98	11	2	13	0	26	14	77	2	3	96	228
Total Volume	21	30	17	0	68	9	327	52	0	388	32	11	48	0	91	64	352	21	9	446	993
% App. Total	30.9	44.1	25	0		2.3	84.3	13.4	0		35.2	12.1	52.7	0		14.3	78.9	4.7	2		
PHF	.656	.577	.531	.000	.739	.750	.940	.565	.000	.980	.727	.550	.750	.000	.875	.941	.830	.750	.750	.858	.940

Peak Hour Analysis From 10:00 to 13:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45																					
11:45	4	4	6	0	14	1	103	15	0	119	7	4	13	0	24	19	101	4	0	124	281
12:00	3	11	4	0	18	6	82	5	2	95	15	9	11	0	35	11	98	6	1	116	264
12:15	0	6	5	0	11	3	107	15	0	125	15	4	19	0	38	15	68	4	0	87	261
12:30	4	5	9	0	18	4	103	10	0	117	15	6	16	0	37	15	75	3	0	93	265
Total Volume	11	26	24	0	61	14	395	45	2	456	52	23	59	0	134	60	342	17	1	420	1071
% App. Total	18	42.6	39.3	0		3.1	86.6	9.9	0.4		38.8	17.2	44	0		14.3	81.4	4	0.2		
PHF	.688	.591	.667	.000	.847	.583	.923	.750	.250	.912	.867	.639	.776	.000	.882	.789	.847	.708	.250	.847	.953

Peak Hour Analysis From 14:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:15																					
16:15	4	4	4	0	12	5	156	10	0	171	11	11	13	0	35	13	111	4	0	128	346
16:30	4	7	2	0	13	8	128	4	0	140	9	9	9	0	27	6	108	4	1	119	299
16:45	3	8	4	0	15	7	152	4	0	163	8	10	17	0	35	8	91	7	0	106	319
17:00	4	6	7	0	17	15	131	9	0	155	24	13	12	0	49	12	99	4	0	115	336
Total Volume	15	25	17	0	57	35	567	27	0	629	52	43	51	0	146	39	409	19	1	468	1300
% App. Total	26.3	43.9	29.8	0		5.6	90.1	4.3	0		35.6	29.5	34.9	0		8.3	87.4	4.1	0.2		
PHF	.938	.781	.607	.000	.838	.583	.909	.675	.000	.920	.542	.827	.750	.000	.745	.750	.921	.679	.250	.914	.939



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2234-t
 Site Code :
 Start Date : 07/12/2022
 Page No : 1

Weather: Warm & Sunny
 CountCAM 2
 Study Conducted by: Kevin

Groups Printed- Trucks

Start Time	Mississippi Blvd Southbound					CSAH 1 (Coon Rapids Blvd) Westbound					Mississippi Blvd Northbound					CSAH 1 (Coon Rapids Blvd) Eastbound					Int. Total	
	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total		
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:30	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
00:45	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1
01:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	2
Total	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	1	0	0	0	1	3
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
02:30	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
02:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	1	2
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1
03:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	2
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
05:15	0	0	1	0	1	0	1	0	0	1	0	0	0	0	0	0	1	1	0	0	2	4
05:30	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	0	1	3
05:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Total	0	0	1	0	1	0	3	0	0	3	0	0	0	0	0	0	4	1	0	0	5	9
06:00	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	1	0	2	3
06:15	0	0	1	0	1	1	0	2	0	3	0	0	0	0	0	0	3	0	0	0	3	7
06:30	0	0	0	0	0	0	1	0	0	1	0	1	0	1	0	0	1	0	0	0	1	3
06:45	0	0	0	0	0	0	2	1	0	3	0	0	0	0	0	0	4	1	0	0	5	8
Total	0	0	1	0	1	1	4	3	0	8	0	1	1	0	1	0	9	1	1	0	11	21
07:00	0	0	0	0	0	1	2	0	0	3	0	0	0	0	0	2	1	1	1	0	5	8
07:15	0	0	0	0	0	1	7	0	0	8	1	1	0	0	2	1	4	0	1	0	6	16
07:30	0	0	0	0	0	0	6	0	0	6	0	0	1	0	1	1	3	1	0	0	5	12
07:45	1	0	0	0	1	0	7	0	0	7	0	0	0	0	0	1	7	2	1	0	11	19
Total	1	0	0	0	1	2	22	0	0	24	1	1	1	0	3	5	15	4	3	0	27	55
08:00	0	0	0	0	0	0	8	1	0	9	3	1	0	0	4	1	4	0	2	0	7	20
08:15	0	1	0	0	1	0	3	2	0	5	3	1	1	0	5	2	3	0	1	0	6	17
08:30	1	0	0	0	1	0	4	1	0	5	1	0	0	0	1	1	7	0	1	0	9	16
08:45	0	0	1	0	1	0	5	0	0	5	1	0	0	0	1	0	4	1	0	0	5	12
Total	1	1	1	0	3	0	20	4	0	24	8	2	1	0	11	4	18	1	4	0	27	65
09:00	0	0	1	0	1	0	13	0	0	13	3	0	0	0	3	1	1	0	0	0	2	19



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2234-t
 Site Code :
 Start Date : 07/12/2022
 Page No : 2

Weather: Warm & Sunny
 CountCAM 2
 Study Conducted by: Kevin

Groups Printed- Trucks

Start Time	Mississippi Blvd Southbound					CSAH 1 (Coon Rapids Blvd) Westbound					Mississippi Blvd Northbound					CSAH 1 (Coon Rapids Blvd) Eastbound					Int. Total
	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	
09:15	0	0	1	0	1	1	6	1	0	8	0	0	1	0	1	1	4	0	0	5	15
09:30	0	0	0	0	0	0	5	0	0	5	0	0	1	0	1	0	2	0	0	2	8
09:45	0	0	0	0	0	0	2	1	0	3	1	0	0	0	1	0	2	0	0	2	6
Total	0	0	2	0	2	1	26	2	0	29	4	0	2	0	6	2	9	0	0	11	48
10:00	0	0	0	0	0	0	4	1	0	5	0	0	0	0	0	0	2	1	0	3	8
10:15	0	0	0	0	0	0	3	1	0	4	0	0	1	0	1	4	6	0	0	10	15
10:30	0	0	0	0	0	1	4	0	0	5	1	0	2	0	3	0	4	0	0	4	12
10:45	1	0	0	0	1	0	2	0	0	2	0	0	1	0	1	0	11	0	0	11	15
Total	1	0	0	0	1	1	13	2	0	16	1	0	4	0	5	4	23	1	0	28	50
11:00	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	0	5	0	0	5	11
11:15	0	0	0	0	0	0	3	2	0	5	1	0	1	0	2	1	3	0	0	4	11
11:30	0	0	0	0	0	0	1	0	0	1	0	1	1	0	2	1	6	2	0	9	12
11:45	0	0	0	0	0	0	7	1	0	8	0	0	1	0	1	0	3	0	0	3	12
Total	0	0	0	0	0	0	17	3	0	20	1	1	3	0	5	2	17	2	0	21	46
12:00	0	0	1	0	1	0	5	0	0	5	1	0	1	0	2	0	6	0	0	6	14
12:15	0	0	1	0	1	0	7	2	0	9	1	0	2	0	3	2	5	0	0	7	20
12:30	1	0	0	0	1	0	5	0	0	5	0	0	0	0	0	0	2	1	0	3	9
12:45	0	0	0	0	0	0	6	0	0	6	0	0	0	0	0	1	1	1	0	3	9
Total	1	0	2	0	3	0	23	2	0	25	2	0	3	0	5	3	14	2	0	19	52
13:00	0	1	0	0	1	1	5	0	0	6	1	0	0	0	1	1	7	0	0	8	16
13:15	0	0	0	0	0	0	3	0	0	3	0	0	1	0	1	2	3	0	0	5	9
13:30	0	0	0	0	0	0	1	1	0	2	1	1	2	0	4	0	3	0	0	3	9
13:45	0	5	0	0	5	0	3	1	0	4	0	0	0	0	0	0	2	0	0	2	11
Total	0	6	0	0	6	1	12	2	0	15	2	1	3	0	6	3	15	0	0	18	45
14:00	1	0	0	0	1	0	3	0	0	3	5	0	1	0	6	1	1	1	0	3	13
14:15	0	0	0	0	0	2	6	0	0	8	0	0	1	0	1	1	4	0	0	5	14
14:30	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	4	0	0	4	7
14:45	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	5	0	0	5	8
Total	1	0	0	0	1	2	15	0	0	17	5	0	2	0	7	2	14	1	0	17	42
15:00	0	0	0	0	0	0	5	0	0	5	1	0	0	0	1	0	2	0	0	2	8
15:15	0	1	0	0	1	0	1	0	0	1	0	0	0	0	0	2	1	0	0	3	5
15:30	0	0	0	0	0	0	4	1	0	5	0	0	1	0	1	0	4	0	0	4	10
15:45	0	0	0	0	0	0	4	0	0	4	1	0	0	0	1	2	2	0	0	4	9
Total	0	1	0	0	1	0	14	1	0	15	2	0	1	0	3	4	9	0	0	13	32
16:00	0	0	1	0	1	0	3	0	0	3	0	1	0	0	1	0	1	0	0	1	6
16:15	0	0	0	0	0	0	3	1	0	4	0	0	1	0	1	0	3	0	0	3	8
16:30	1	0	0	0	1	0	1	0	0	1	0	0	0	0	0	1	4	0	0	5	7
16:45	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	2	0	0	2	5
Total	1	0	1	0	2	0	10	1	0	11	0	1	1	0	2	1	10	0	0	11	26
17:00	0	0	0	0	0	1	4	0	0	5	0	0	1	0	1	0	0	0	0	0	6
17:15	0	1	0	0	1	0	4	0	0	4	0	0	0	0	0	1	1	0	0	2	7
17:30	1	0	0	0	1	1	6	0	0	7	0	0	0	0	0	0	3	1	0	4	12
17:45	1	0	1	0	2	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	6
Total	2	1	1	0	4	2	17	0	0	19	0	0	1	0	1	1	5	1	0	7	31
18:00	0	0	0	0	0	0	4	0	0	4	0	0	0	0	0	0	2	0	0	2	6
18:15	0	1	0	0	1	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	3
18:30	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1	1	0	0	2	3
18:45	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	3
Total	0	1	0	0	1	0	8	0	0	8	0	0	0	0	0	1	5	0	0	6	15



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2234-t
 Site Code :
 Start Date : 07/12/2022
 Page No : 3

Weather: Warm & Sunny
 CountCAM 2
 Study Conducted by: Kevin

Groups Printed- Trucks

Start Time	Mississippi Blvd Southbound					CSAH 1 (Coon Rapids Blvd) Westbound					Mississippi Blvd Northbound					CSAH 1 (Coon Rapids Blvd) Eastbound					Int. Total
	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	Right	Thru	Left	UTrn	App. Total	
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2
19:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
19:30	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	1	0	0	0	1
19:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	1	3	0	0	0	4
20:00	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	1	0	0	0	1
20:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3
20:30	0	0	0	0	0	0	2	0	0	2	0	0	1	0	1	0	1	1	0	0	2
20:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	4	0	0	4	0	0	1	0	1	1	4	1	0	0	6
21:00	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	0	1	0	0	0	1
21:15	0	0	0	0	0	1	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1
21:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	1	2	0	0	3	1	0	1	0	2	1	1	0	0	0	2
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
22:30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1
22:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	1	0	0	0	0	1
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:45	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
Grand Total	8	10	9	0	27	11	217	20	0	248	28	6	28	0	62	37	177	15	8	237	574
Apprch %	29.6	37	33.3	0		4.4	87.5	8.1	0		45.2	9.7	45.2	0		15.6	74.7	6.3	3.4		
Total %	1.4	1.7	1.6	0	4.7	1.9	37.8	3.5	0	43.2	4.9	1	4.9	0	10.8	6.4	30.8	2.6	1.4	41.3	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/15/2022

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 1 (Coon Rapids Blvd)

Number of Lanes : 2+

Total Approach Volume: 6,393

Westbound: CSAH 1 (Coon Rapids Blvd)

Number of Lanes :2+

Total Approach Volume: 6,732

Minor Street Approaches

Northbound: Mississippi Blvd

Number of Lanes :1

Total Approach Volume: 1,580

Southbound: Mississippi Blvd

Number of Lanes :1

Total Approach Volume: 913

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 7 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 11 hours, 8 are needed

Required 1B volumes reached for 14 hours, 8 are needed

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

Number of hours (11) volumes exceed minimum >= minimum required (4).

Warrant 3 - Peak Hour.....Satisfied

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

Number of one hour periods (28) 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:

Study Date : 09/15/2022

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

Volume Requirements

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

Veh/Hr Minor = **105**

Time	Major Road					Minor Road			Met?
	Major EB	+	Major WB	=	Total	Minor NB	Minor SB		
	CSAH 1 (Coon Rapids Blvd)					Mississippi Blvd			
16:00 - 17:00	468	+	621	=	1089	127	57	Yes	
15:00 - 16:00	506	+	561	=	1067	107	52	Yes	
17:00 - 18:00	449	+	589	=	1038	127	72	Yes	
14:00 - 15:00	404	+	494	=	898	106	52	Yes	
12:00 - 13:00	390	+	467	=	857	149	56	Yes	
11:00 - 12:00	455	+	387	=	842	109	54	Yes	
13:00 - 14:00	384	+	446	=	830	127	53	Yes	
07:15 - 08:15	446	+	388	=	834	91	68	No	
07:00 - 08:00	455	+	357	=	812	85	71	No	
07:30 - 08:30	423	+	369	=	792	97	64	No	
10:45 - 11:45	418	+	361	=	779	103	50	No	
07:45 - 08:45	395	+	375	=	770	99	60	No	
06:45 - 07:45	426	+	340	=	766	79	63	No	
08:00 - 09:00	381	+	371	=	752	95	54	No	
10:30 - 11:30	398	+	353	=	751	100	51	No	
10:15 - 11:15	384	+	363	=	747	95	42	No	
08:15 - 09:15	374	+	368	=	742	90	59	No	
08:30 - 09:30	368	+	370	=	738	83	56	No	
09:30 - 10:30	354	+	378	=	732	84	39	No	
09:45 - 10:45	358	+	365	=	723	97	41	No	
09:00 - 10:00	360	+	358	=	718	72	41	No	
18:00 - 19:00	340	+	374	=	714	95	57	No	
08:45 - 09:45	355	+	358	=	713	72	51	No	
10:00 - 11:00	345	+	363	=	708	95	44	No	
09:15 - 10:15	345		357		702	74	42	No	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/15/2022

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

Volume Requirements

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

Veh/Hr Minor = **53**

Time	Major Road				Total	Minor Road		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
	CSAH 1 (Coon Rapids Blvd)					Mississippi Blvd		
15:30 - 16:30	515	+	596	=	1111	124	50	Yes
16:30 - 17:30	443	+	607	=	1050	138	64	Yes
14:30 - 15:30	434	+	551	=	985	94	60	Yes
17:30 - 18:30	418	+	486	=	904	107	65	Yes
11:30 - 12:30	440	+	423	=	863	126	52	Yes
12:30 - 13:30	385	+	471	=	856	146	53	Yes
13:30 - 14:30	390	+	448	=	838	117	50	Yes
07:30 - 08:30	423	+	369	=	792	97	64	Yes
10:30 - 11:30	398	+	353	=	751	100	51	Yes
08:30 - 09:30	368	+	370	=	738	83	56	Yes
09:30 - 10:30	354	+	378	=	732	84	39	Yes
06:30 - 07:30	379	+	321	=	700	69	56	Yes
18:30 - 19:30	318	+	325	=	643	77	56	Yes
06:15 - 07:15	327	+	277	=	604	62	45	No
19:30 - 20:30	261	+	283	=	544	57	57	No
19:45 - 20:45	249	+	287	=	536	58	58	No
06:00 - 07:00	270	+	246	=	516	46	40	No
20:00 - 21:00	227	+	255	=	482	62	42	No
20:15 - 21:15	227	+	221	=	448	66	31	No
05:45 - 06:45	231	+	195	=	426	40	28	No
20:30 - 21:30	203	+	206	=	409	53	31	No
20:45 - 21:45	187	+	176	=	363	52	34	No
05:30 - 06:30	192	+	145	=	337	36	26	No
21:00 - 22:00	167	+	165	=	332	40	32	No
21:15 - 22:15	152		152		304	26	33	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/15/2022

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

11 hours meet 1A minimums.
14 hours meet 1B minimums.
Warrant IS met.

Site Data Required

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

Volume Requirements

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

Veh/Hr Minor = **84 42**

Major Road CSAH 1 (Coon Rapids Blvd)

Minor Road Mississippi Blvd

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1A?
15:30 - 16:30	515	+	596	=	1111	124	50	Yes
16:30 - 17:30	443	+	607	=	1050	138	64	Yes
14:30 - 15:30	434	+	551	=	985	94	60	Yes
17:30 - 18:30	418	+	486	=	904	107	65	Yes
11:30 - 12:30	440	+	423	=	863	126	52	Yes
12:30 - 13:30	385	+	471	=	856	146	53	Yes
13:30 - 14:30	390	+	448	=	838	117	50	Yes
07:00 - 08:00	455	+	357	=	812	85	71	Yes
08:00 - 09:00	381	+	371	=	752	95	54	Yes
10:30 - 11:30	398	+	353	=	751	100	51	Yes
09:30 - 10:30	354	+	378	=	732	84	39	Yes
06:45 - 07:45	426		340		766	79	63	No

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
16:00 - 17:00	468	+	621	=	1089	127	57	Yes
15:00 - 16:00	506	+	561	=	1067	107	52	Yes
17:00 - 18:00	449	+	589	=	1038	127	72	Yes
14:00 - 15:00	404	+	494	=	898	106	52	Yes
12:00 - 13:00	390	+	467	=	857	149	56	Yes
11:00 - 12:00	455	+	387	=	842	109	54	Yes
13:00 - 14:00	384	+	446	=	830	127	53	Yes
07:00 - 08:00	455	+	357	=	812	85	71	Yes
08:00 - 09:00	381	+	371	=	752	95	54	Yes
09:00 - 10:00	360	+	358	=	718	72	41	Yes
18:00 - 19:00	340	+	374	=	714	95	57	Yes
10:00 - 11:00	345		363		708	95	44	Yes

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/15/2022

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.

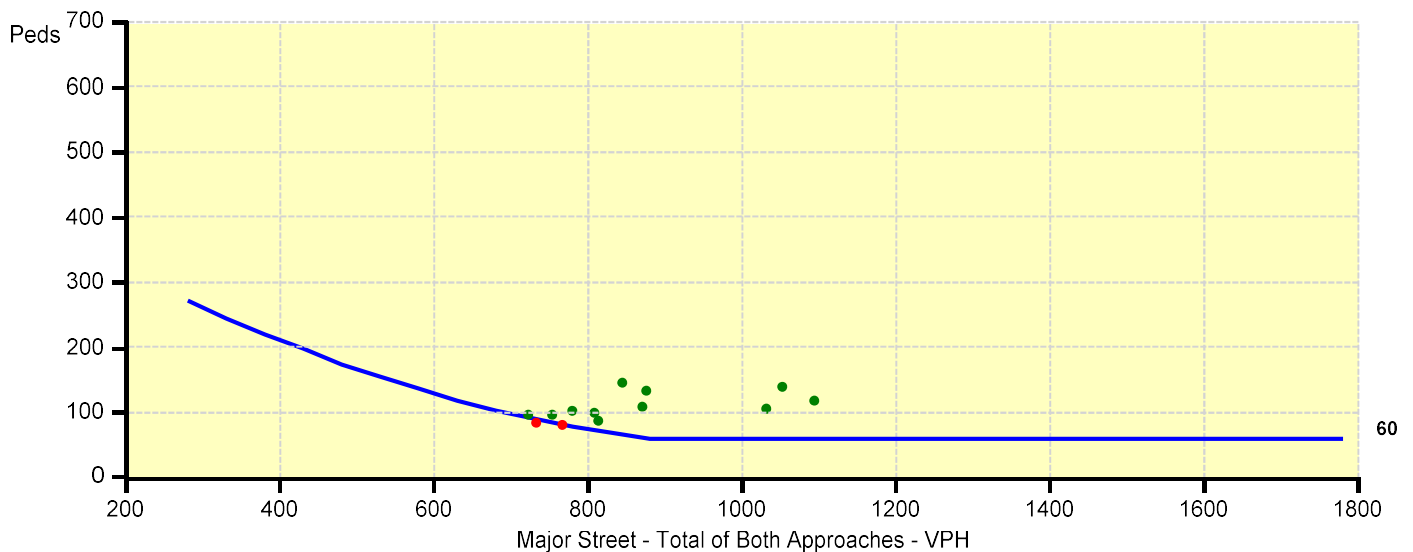
Summary

11 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Time	Major Road				Total	Minor Road		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
	CSAH 1 (Coon Rapids Blvd)					Mississippi Blvd		
15:45 - 16:45	495	+	598	=	1093	116	52	Yes
16:45 - 17:45	441	+	610	=	1051	138	67	Yes
14:45 - 15:45	468	+	563	=	1031	104	55	Yes
11:45 - 12:45	420	+	456	=	876	134	61	Yes
13:45 - 14:45	409	+	462	=	871	107	52	Yes
12:45 - 13:45	378	+	466	=	844	144	49	Yes
07:00 - 08:00	455	+	357	=	812	85	71	Yes
17:45 - 18:45	385	+	422	=	807	100	63	Yes
10:45 - 11:45	418	+	361	=	779	103	50	Yes
08:00 - 09:00	381	+	371	=	752	95	54	Yes
09:45 - 10:45	358	+	365	=	723	97	41	Yes
06:45 - 07:45	426		340		766	79	63	No



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 09/15/2022

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

11 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Time	Major Road				Minor Road			Met?
	CSAH 1 (Coon Rapids Blvd)				Mississippi Blvd			
	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	
15:30 - 16:30	515	+	596	=	1111	124	50	Yes
16:15 - 17:15	468	+	629	=	1097	146	57	Yes
15:45 - 16:45	495	+	598	=	1093	116	52	Yes
16:00 - 17:00	468	+	621	=	1089	127	57	Yes
15:00 - 16:00	506	+	561	=	1067	107	52	Yes
16:45 - 17:45	441	+	610	=	1051	138	67	Yes
16:30 - 17:30	443	+	607	=	1050	138	64	Yes
15:15 - 16:15	500	+	543	=	1043	112	55	Yes
17:00 - 18:00	449	+	589	=	1038	127	72	Yes
14:45 - 15:45	468	+	563	=	1031	104	55	Yes
12:00 - 13:00	390	+	467	=	857	149	56	Yes
17:15 - 18:15	439		553		992	110	70	No

