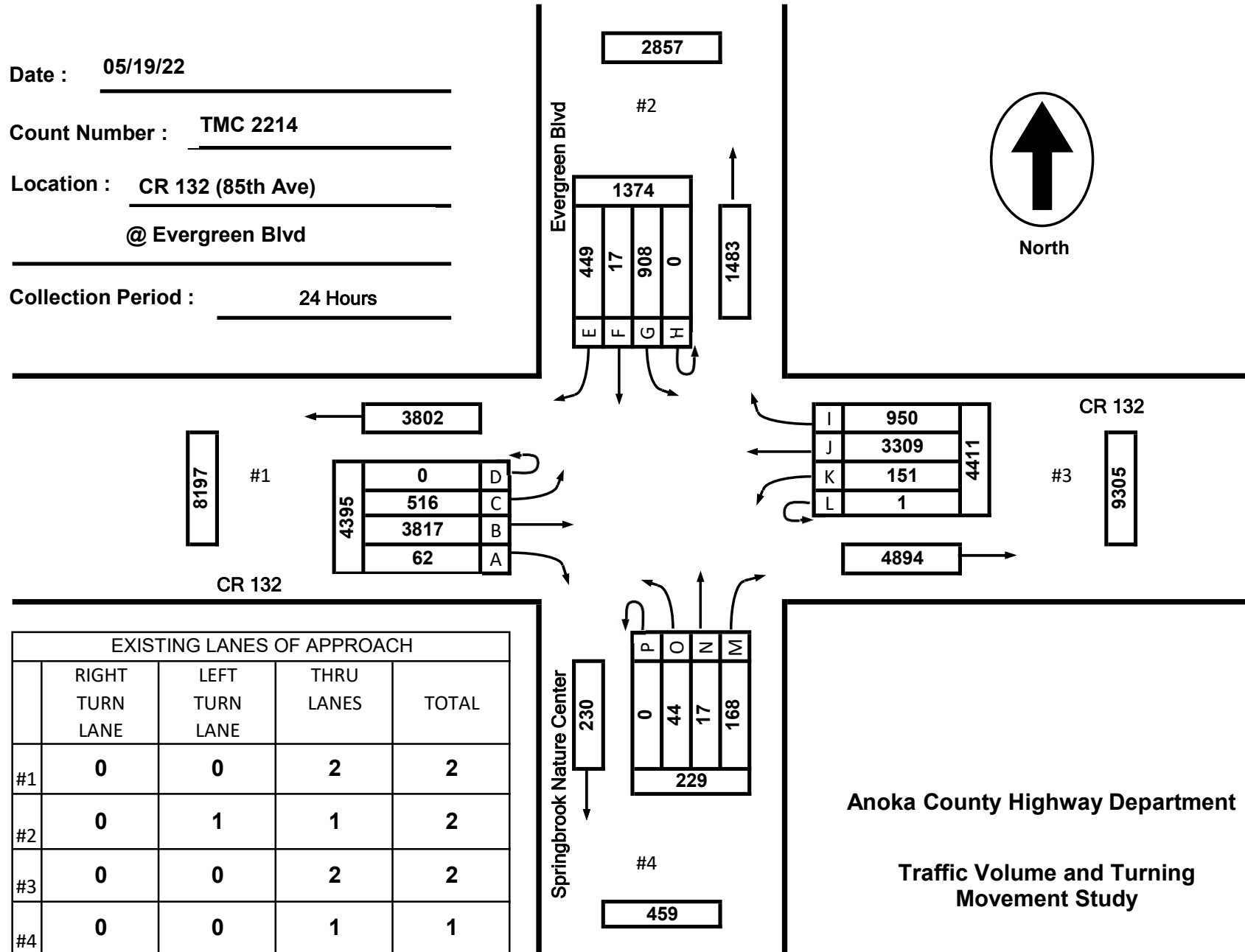


Date : 05/19/22

Count Number : TMC 2214

Location : CR 132 (85th Ave)
@ Evergreen Blvd

Collection Period : 24 Hours



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

Anoka County Highway Department
 Traffic Volume and Turning Movement Study

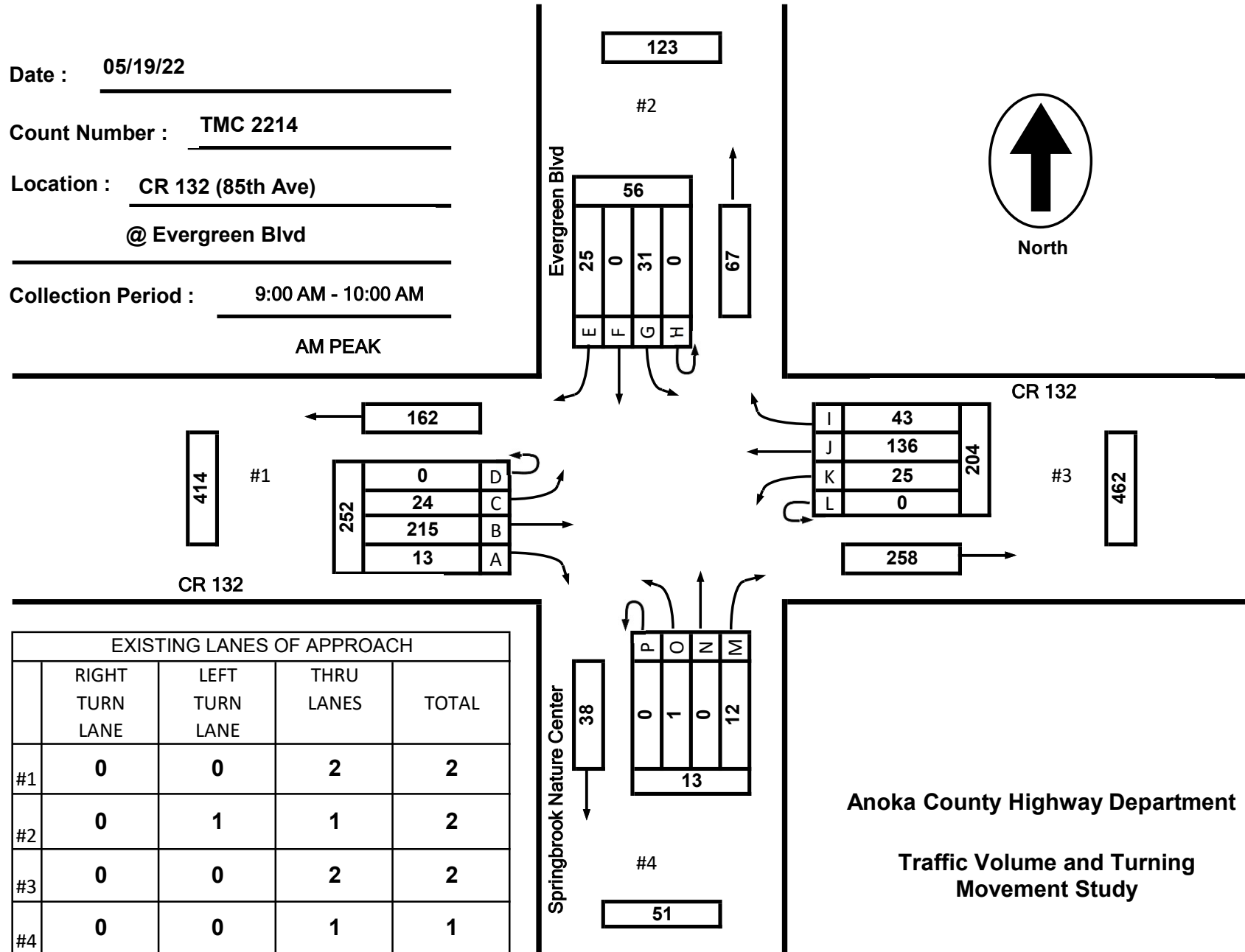
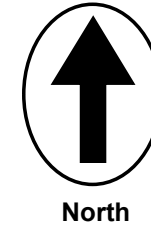
Date : 05/19/22

Count Number : TMC 2214

Location : CR 132 (85th Ave)
@ Evergreen Blvd

Collection Period : 9:00 AM - 10:00 AM

AM PEAK



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

Anoka County Highway Department
 Traffic Volume and Turning Movement Study

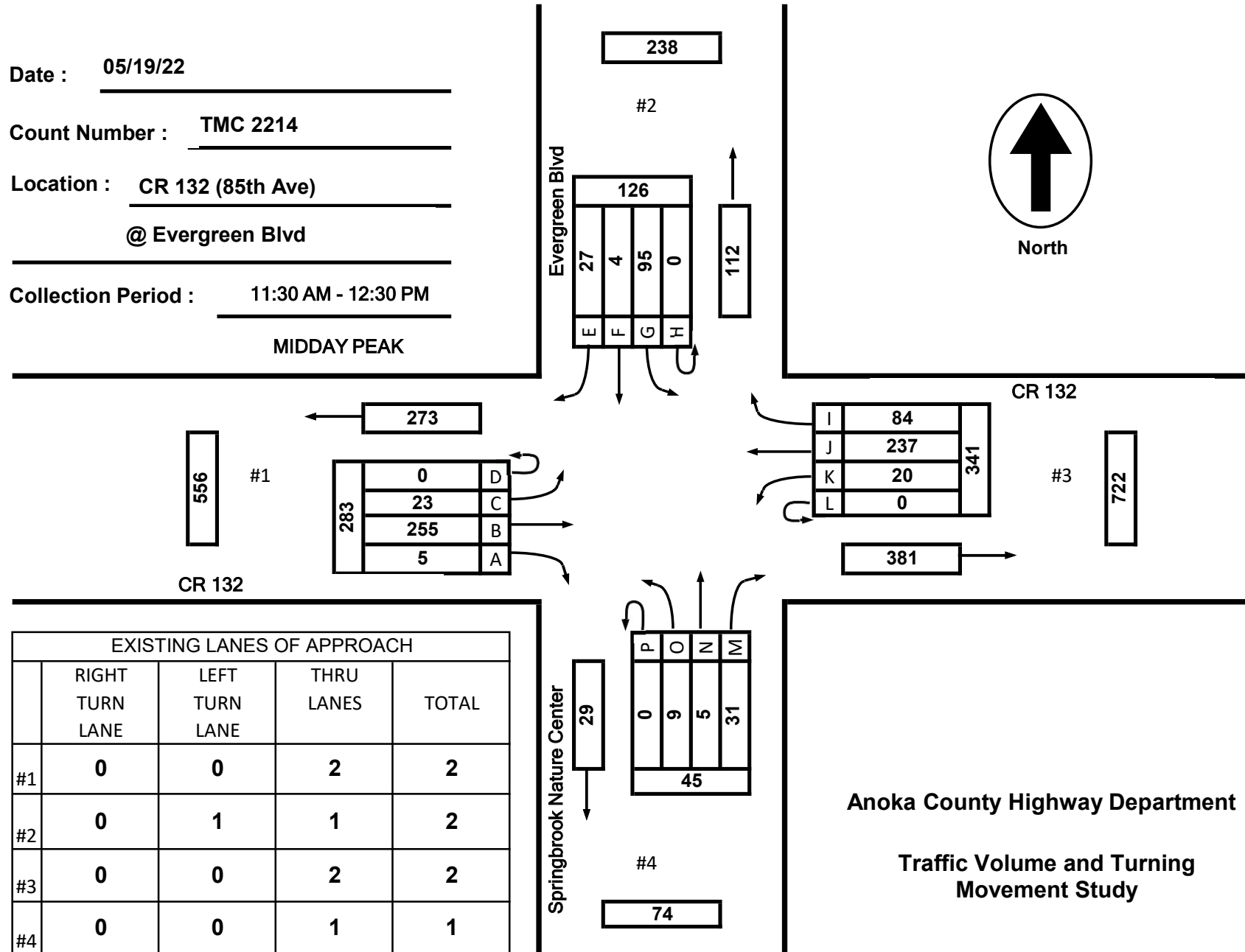
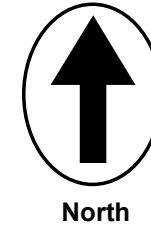
Date : 05/19/22

Count Number : TMC 2214

Location : CR 132 (85th Ave)
@ Evergreen Blvd

Collection Period : 11:30 AM - 12:30 PM

MIDDAY PEAK



Anoka County Highway Department

Traffic Volume and Turning Movement Study

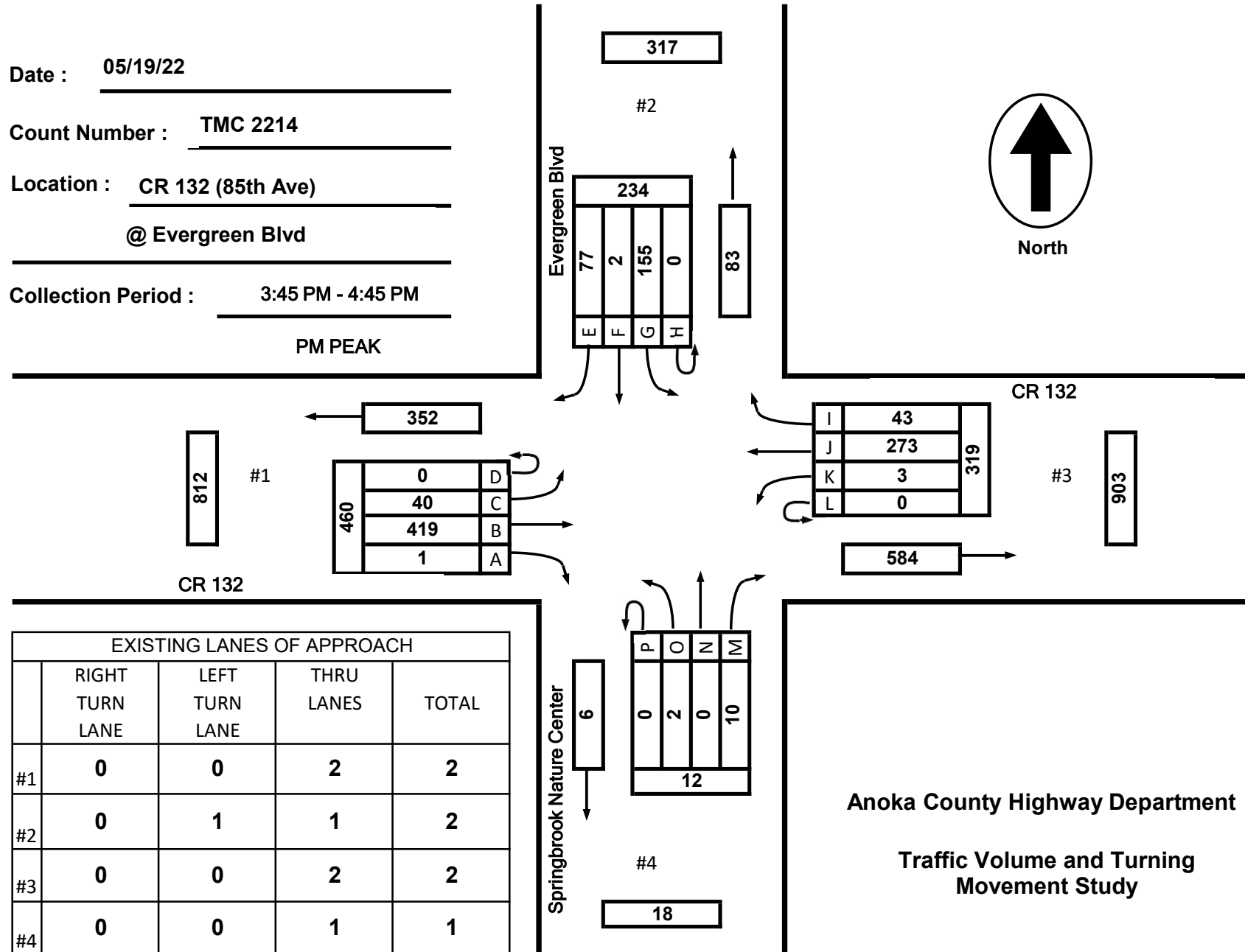
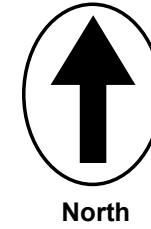
Date : 05/19/22

Count Number : TMC 2214

Location : CR 132 (85th Ave)
@ Evergreen Blvd

Collection Period : 3:45 PM - 4:45 PM

PM PEAK



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

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 2214
 Site Code :
 Start Date : 05/19/2022
 Page No : 1

Weather: Warm & Cloudy
 CountCAM 2
 Study Conducted By: Kevin

Groups Printed- Cars + - Trucks

Start Time	Evergreen Blvd Southbound						CR 132 Westbound						Springbrook Nature Center Northbound						CR 132 Eastbound						Exclu. Total	Inclu. Total	Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total			
00:00	0	3	0	0	0	3	0	0	3	2	0	5	0	0	0	0	0	0	0	1	3	0	0	4	0	12	12
00:15	0	1	0	2	0	3	0	0	1	0	0	1	0	0	0	0	0	0	0	1	6	0	0	7	0	11	11
00:30	0	1	0	0	0	1	0	0	2	0	0	2	0	0	0	0	0	0	0	1	2	0	0	3	0	6	6
00:45	0	1	0	0	0	1	0	0	4	0	0	4	0	0	0	0	0	0	0	1	2	0	0	3	0	8	8
Total	0	6	0	2	0	8	0	0	10	2	0	12	0	0	0	0	0	0	0	4	13	0	0	17	0	37	37
01:00	0	4	0	2	0	6	0	0	1	2	0	3	0	0	0	0	0	0	0	0	5	0	0	5	0	14	14
01:15	0	2	0	1	0	3	0	0	3	0	0	3	0	0	0	0	0	0	0	0	6	0	0	6	0	12	12
01:30	0	3	0	0	0	3	0	0	2	1	0	3	0	0	0	0	0	0	0	3	10	0	0	13	0	19	19
01:45	0	1	0	1	0	2	0	0	4	1	0	5	0	0	0	0	0	0	0	0	8	0	0	8	0	15	15
Total	0	10	0	4	0	14	0	0	10	4	0	14	0	0	0	0	0	0	0	3	29	0	0	32	0	60	60
02:00	0	18	0	3	0	21	0	0	3	0	0	3	0	0	0	0	0	0	0	3	28	0	1	31	1	55	56
02:15	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	7	0	0	7	0	9	9
02:30	0	1	0	2	0	3	0	0	3	1	0	4	0	0	0	0	0	0	0	1	4	0	0	5	0	12	12
02:45	0	1	0	0	0	1	0	0	5	2	0	7	0	0	0	0	0	0	0	2	5	0	0	7	0	15	15
Total	0	21	0	5	0	26	0	0	11	4	0	15	0	0	0	0	0	0	0	6	44	0	1	50	1	91	92
03:00	0	3	0	0	0	3	0	0	2	4	0	6	0	0	0	0	0	0	0	1	1	0	0	2	0	11	11
03:15	0	0	0	0	0	0	0	0	4	2	0	6	0	0	0	0	0	0	0	2	2	0	1	4	1	10	11
03:30	0	39	0	3	0	42	0	0	4	1	0	5	0	0	0	0	0	0	0	0	27	0	0	27	0	74	74
03:45	0	6	0	1	0	7	0	0	4	4	0	8	0	0	0	0	0	0	0	1	4	0	0	5	0	20	20
Total	0	48	0	4	0	52	0	0	14	11	0	25	0	0	0	0	0	0	0	4	34	0	1	38	1	115	116
04:00	0	1	0	1	0	2	0	0	4	4	0	8	0	0	0	0	0	0	0	3	3	0	0	6	0	16	16
04:15	0	3	0	0	0	3	0	0	15	20	0	35	0	0	0	0	0	0	0	3	3	0	0	6	0	44	44
04:30	0	2	0	0	0	2	0	0	19	32	0	51	0	0	0	0	0	0	0	8	3	0	0	11	0	64	64
04:45	0	2	0	1	0	3	0	0	45	51	0	96	0	0	0	0	0	0	0	19	8	0	0	27	0	126	126
Total	0	8	0	2	0	10	0	0	83	107	0	190	0	0	0	0	0	0	0	33	17	0	0	50	0	250	250
05:00	0	2	0	3	0	5	0	0	11	10	0	21	0	0	0	0	0	0	0	5	10	0	0	15	0	41	41
05:15	0	0	0	1	0	1	0	0	24	15	0	39	0	0	0	0	0	0	0	7	13	0	0	20	0	60	60
05:30	0	4	0	3	0	7	0	0	11	26	0	37	0	0	0	0	0	0	0	16	14	1	0	31	0	75	75
05:45	0	8	0	2	0	10	0	1	18	32	0	51	0	0	0	1	0	1	0	17	27	0	0	44	0	106	106
Total	0	14	0	9	0	23	0	1	64	83	0	148	0	0	0	1	0	1	0	45	64	1	0	110	0	282	282



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2214
 Site Code :
 Start Date : 05/19/2022
 Page No : 2

Weather: Warm & Cloudy
 CountCAM 2
 Study Conducted By: Kevin

Groups Printed- Cars + - Trucks

Start Time	Evergreen Blvd Southbound						CR 132 Westbound						Springbrook Nature Center Northbound						CR 132 Eastbound						Exclu. Total	Inclu. Total	Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total			
06:00	0	5	0	7	0	12	0	0	13	21	0	34	0	0	0	0	0	0	0	4	16	0	0	20	0	66	66
06:15	0	6	0	3	0	9	0	0	7	15	0	22	0	0	0	0	0	0	0	3	21	0	0	24	0	55	55
06:30	0	4	0	4	0	8	0	0	19	15	0	34	0	0	0	0	0	0	0	10	27	0	0	37	0	79	79
06:45	0	2	0	7	0	9	0	0	23	33	0	56	0	0	0	0	0	0	0	12	33	0	0	45	0	110	110
Total	0	17	0	21	0	38	0	0	62	84	0	146	0	0	0	0	0	0	0	29	97	0	0	126	0	310	310
07:00	0	7	0	5	0	12	0	0	13	12	0	25	0	0	0	0	0	0	0	15	36	0	1	51	1	88	89
07:15	0	8	0	4	0	12	0	1	39	27	0	67	0	0	0	0	0	0	0	12	33	0	0	45	0	124	124
07:30	0	7	0	4	0	11	0	0	33	18	0	51	0	0	0	0	0	0	0	7	45	0	0	52	0	114	114
07:45	0	10	0	8	0	18	0	1	34	20	0	55	0	0	0	2	0	2	0	20	44	1	0	65	0	140	140
Total	0	32	0	21	0	53	0	2	119	77	0	198	0	0	0	2	0	2	0	54	158	1	1	213	1	466	467
08:00	0	9	0	2	0	11	0	3	25	17	0	45	0	1	0	0	0	1	0	6	32	1	1	39	1	96	97
08:15	0	6	1	11	0	18	0	5	26	14	0	45	0	0	0	1	0	1	0	9	36	0	0	45	0	109	109
08:30	0	8	0	5	0	13	0	3	37	20	0	60	0	0	0	2	0	2	0	11	62	0	0	73	0	148	148
08:45	0	3	1	3	0	7	0	1	30	8	0	39	0	1	0	4	0	5	0	12	49	2	0	63	0	114	114
Total	0	26	2	21	0	49	0	12	118	59	0	189	0	2	0	7	0	9	0	38	179	3	1	220	1	467	468
09:00	0	7	0	5	0	12	0	4	38	11	0	53	0	1	0	1	0	2	0	8	36	4	0	48	0	115	115
09:15	0	5	0	7	0	12	0	4	27	10	0	41	0	0	0	3	0	3	0	5	65	3	1	73	1	129	130
09:30	0	6	0	8	0	14	0	5	37	9	0	51	0	0	0	1	0	1	0	6	52	3	0	61	0	127	127
09:45	0	13	0	5	0	18	0	12	34	13	0	59	0	0	0	7	0	7	0	5	62	3	0	70	0	154	154
Total	0	31	0	25	0	56	0	25	136	43	0	204	0	1	0	12	0	13	0	24	215	13	1	252	1	525	526
10:00	0	10	0	7	0	17	0	4	25	6	0	35	0	2	0	2	0	4	0	6	46	1	0	53	0	109	109
10:15	0	6	0	5	0	11	0	3	37	8	0	48	0	1	0	2	0	3	0	2	40	3	0	45	0	107	107
10:30	0	6	0	7	0	13	0	5	36	8	0	49	0	0	0	5	0	5	0	10	47	0	2	57	2	124	126
10:45	0	13	2	3	0	18	0	2	49	14	0	65	0	2	0	6	0	8	0	10	40	1	1	51	1	142	143
Total	0	35	2	22	0	59	0	14	147	36	0	197	0	5	0	15	0	20	0	28	173	5	3	206	3	482	485
11:00	0	18	0	4	0	22	0	5	38	8	0	51	0	0	0	4	0	4	0	8	52	1	0	61	0	138	138
11:15	0	22	1	3	0	26	0	3	50	8	0	61	0	0	1	2	0	3	0	8	59	2	0	69	0	159	159
11:30	0	24	0	10	0	34	0	4	59	15	0	78	0	0	1	5	0	6	0	7	60	2	7	69	7	187	194
11:45	0	27	0	6	0	33	0	8	48	21	0	77	0	3	2	9	0	14	0	8	50	1	1	59	1	183	184
Total	0	91	1	23	0	115	0	20	195	52	0	267	0	3	4	20	0	27	0	31	221	6	8	258	8	667	675
12:00	0	27	3	5	0	35	0	5	60	20	0	85	0	5	1	12	0	18	0	4	83	1	7	88	7	226	233



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2214
 Site Code :
 Start Date : 05/19/2022
 Page No : 3

Weather: Warm & Cloudy
 CountCAM 2
 Study Conducted By: Kevin

Groups Printed- Cars + - Trucks

Start Time	Evergreen Blvd Southbound						CR 132 Westbound						Springbrook Nature Center Northbound						CR 132 Eastbound						Exclu. Total	Inclu. Total	Int. Total
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total			
12:15	0	17	1	6	0	24	0	3	70	28	0	101	0	1	1	5	0	7	0	4	62	1	3	67	3	199	202
12:30	0	14	1	10	0	25	0	4	54	22	0	80	0	3	1	5	0	9	0	9	52	1	0	62	0	176	176
12:45	0	12	1	9	0	22	0	3	47	9	0	59	0	1	2	4	0	7	0	6	60	1	1	67	1	155	156
Total	0	70	6	30	0	106	0	15	231	79	0	325	0	10	5	26	0	41	0	23	257	4	11	284	11	756	767
13:00	0	13	0	6	0	19	0	2	58	13	0	73	0	2	1	2	0	5	0	4	50	2	0	56	0	153	153
13:15	0	8	0	3	0	11	0	1	47	13	0	61	0	1	0	1	0	2	0	6	70	0	0	76	0	150	150
13:30	0	11	0	8	0	19	0	2	46	14	0	62	0	0	0	3	0	3	0	6	54	2	0	62	0	146	146
13:45	0	12	0	9	0	21	0	5	51	15	0	71	0	0	0	5	0	5	0	5	51	0	0	56	0	153	153
Total	0	44	0	26	0	70	0	10	202	55	0	267	0	3	1	11	0	15	0	21	225	4	0	250	0	602	602
14:00	0	15	0	7	0	22	0	0	43	17	0	60	0	0	0	2	0	2	0	11	76	2	1	89	1	173	174
14:15	0	14	0	7	0	21	0	3	61	18	0	82	0	2	0	1	0	3	0	6	59	1	0	66	0	172	172
14:30	0	24	0	12	0	36	0	3	68	17	0	88	0	3	1	2	0	6	0	5	85	2	0	92	0	222	222
14:45	0	9	0	5	0	14	0	3	77	17	0	97	0	3	0	3	0	6	0	7	79	1	0	87	0	204	204
Total	0	62	0	31	0	93	0	9	249	69	0	327	0	8	1	8	0	17	0	29	299	6	1	334	1	771	772
15:00	0	20	0	15	0	35	0	4	70	15	1	89	0	0	1	5	0	6	0	5	92	0	1	97	2	227	229
15:15	0	12	0	10	0	22	0	1	77	26	0	104	0	2	1	5	0	8	0	8	84	2	0	94	0	228	228
15:30	0	47	0	30	0	77	0	2	80	10	0	92	0	0	1	2	0	3	0	7	104	2	1	113	1	285	286
15:45	0	30	0	12	0	42	0	0	76	7	0	83	0	2	0	5	0	7	0	9	100	1	0	110	0	242	242
Total	0	109	0	67	0	176	0	7	303	58	1	368	0	4	3	17	0	24	0	29	380	5	2	414	3	982	985
16:00	0	24	1	19	0	44	0	0	65	8	0	73	0	0	0	0	0	0	0	17	124	0	0	141	0	258	258
16:15	0	26	1	7	0	34	0	2	68	19	0	89	0	0	0	3	0	3	0	6	103	0	0	109	0	235	235
16:30	0	75	0	39	0	114	0	1	64	9	0	74	0	0	0	2	0	2	0	8	92	0	0	100	0	290	290
16:45	0	31	0	13	0	44	0	1	72	4	0	77	0	0	0	0	0	0	0	9	81	0	0	90	0	211	211
Total	0	156	2	78	0	236	0	4	269	40	0	313	0	0	0	5	0	5	0	40	400	0	0	440	0	994	994
17:00	0	12	1	5	0	18	0	2	72	8	0	82	0	0	0	2	0	2	0	4	90	0	1	94	1	196	197
17:15	0	8	0	7	0	15	0	1	58	3	0	62	0	1	0	1	0	2	0	7	103	3	1	113	1	192	193
17:30	0	9	1	8	0	18	0	2	67	3	0	72	0	0	0	4	0	4	0	7	50	1	0	58	0	152	152
17:45	0	9	1	7	0	17	0	2	34	5	0	41	0	0	0	3	0	3	0	11	62	1	0	74	0	135	135
Total	0	38	3	27	0	68	0	7	231	19	0	257	0	1	0	10	0	11	0	29	305	5	2	339	2	675	677
18:00	0	10	0	1	0	11	0	4	54	2	0	60	0	2	2	3	0	7	0	4	76	0	0	80	0	158	158
18:15	0	4	0	2	0	6	0	5	64	3	0	72	0	1	0	0	0	1	0	0	60	1	0	61	0	140	140



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2214
 Site Code :
 Start Date : 05/19/2022
 Page No : 4

Weather: Warm & Cloudy
 CountCAM 2
 Study Conducted By: Kevin

Groups Printed- Cars + - Trucks

Start Time	Evergreen Blvd Southbound						CR 132 Westbound						Springbrook Nature Center Northbound						CR 132 Eastbound						Exclu. Total	Inclu. Total	Int. Total	
	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total	UTrn	Left	Thru	Right	Peds	App. Total				
18:30	0	7	0	1	0	8	0	4	64	2	0	70	0	0	0	3	0	3	0	9	49	2	0	60	0	141	141	
18:45	0	3	0	1	0	4	0	0	46	4	0	50	0	2	0	4	0	6	0	6	54	1	0	61	0	121	121	
Total	0	24	0	5	0	29	0	13	228	11	0	252	0	5	2	10	0	17	0	19	239	4	0	262	0	560	560	
19:00	0	3	0	1	0	4	0	3	58	4	0	65	0	0	0	6	0	6	0	2	49	0	0	51	0	126	126	
19:15	0	5	0	0	0	5	0	3	54	4	0	61	0	0	0	3	0	3	0	1	37	0	0	38	0	107	107	
19:30	0	4	0	2	0	6	0	0	45	6	0	51	0	0	0	2	0	2	0	2	46	2	0	50	0	109	109	
19:45	0	1	0	3	0	4	0	1	43	3	0	47	0	0	0	0	0	0	0	1	46	0	0	47	0	98	98	
Total	0	13	0	6	0	19	0	7	200	17	0	224	0	0	0	11	0	11	0	6	178	2	0	186	0	440	440	
20:00	0	6	0	4	0	10	0	3	54	3	0	60	0	0	0	4	0	4	0	4	38	0	0	42	0	116	116	
20:15	0	3	0	2	0	5	0	1	47	3	0	51	0	1	0	2	0	3	0	2	36	1	0	39	0	98	98	
20:30	0	5	1	0	0	6	0	0	56	4	0	60	0	0	1	3	0	4	0	0	37	1	0	38	0	108	108	
20:45	0	8	0	2	0	10	0	0	36	2	0	38	0	0	0	3	0	3	0	1	25	0	0	26	0	77	77	
Total	0	22	1	8	0	31	0	4	193	12	0	209	0	1	1	12	0	14	0	7	136	2	0	145	0	399	399	
21:00	0	5	0	0	0	5	0	0	40	5	0	45	0	0	0	0	0	0	0	1	23	0	0	24	0	74	74	
21:15	0	1	0	3	0	4	1	0	37	4	0	42	0	0	0	0	0	0	0	1	24	0	0	25	0	71	71	
21:30	0	3	0	2	0	5	0	0	24	6	0	30	0	0	0	0	0	0	0	3	17	0	0	20	0	55	55	
21:45	0	1	0	0	0	1	0	0	27	3	0	30	0	1	0	0	0	1	0	4	15	1	0	20	0	52	52	
Total	0	10	0	5	0	15	1	0	128	18	0	147	0	1	0	0	0	1	0	9	79	1	0	89	0	252	252	
22:00	0	5	0	1	0	6	0	1	27	1	0	29	0	0	0	0	0	0	0	0	19	0	0	19	0	54	54	
22:15	0	2	0	1	0	3	0	0	12	1	0	13	0	0	0	1	0	1	0	0	12	0	0	12	0	29	29	
22:30	0	2	0	2	0	4	0	0	16	3	0	19	0	0	0	0	0	0	0	1	14	0	0	15	0	38	38	
22:45	0	1	0	0	0	1	0	0	14	2	0	16	0	0	0	0	0	0	0	1	6	0	0	7	0	24	24	
Total	0	10	0	4	0	14	0	1	69	7	0	77	0	0	0	1	0	1	0	2	51	0	0	53	0	145	145	
23:00	0	5	0	2	0	7	0	0	15	0	0	15	0	0	0	0	0	0	0	1	5	0	0	6	0	28	28	
23:15	0	0	0	0	0	0	0	0	12	1	0	13	0	0	0	0	0	0	0	1	9	0	0	10	0	23	23	
23:30	0	4	0	0	0	4	0	0	7	1	0	8	0	0	0	0	0	0	0	0	4	0	0	4	0	16	16	
23:45	0	2	0	1	0	3	0	0	3	1	0	4	0	0	0	0	0	0	0	1	6	0	0	7	0	14	14	
Total	0	11	0	3	0	14	0	0	37	3	0	40	0	0	0	0	0	0	0	3	24	0	0	27	0	81	81	
Grand Total	0	908	17	449	0	1374	1	151	3309	950	1	4411	0	44	17	168	0	229	0	516	3817	62	32	4395	33	10409	10442	
Apprch %	0	66.1	1.2	32.7			0	3.4	75	21.5			0	19.2	7.4	73.4			0	11.7	86.8	1.4						
Total %	0	8.7	0.2	4.3		13.2	0	1.5	31.8	9.1		42.4	0	0.4	0.2	1.6		2.2	0	5	36.7	0.6		42.2	0.3	99.7		
Cars +	0	817	17	388		1222	1	147	3258	854		4261	0	43	17	162		222	0	436	3751	58		4277	0	0	9982	
% Cars +	0	90	100	86.4		88.9	100	97.4	98.5	89.9		96.6	0	97.7	100	96.4		96.9	0	84.5	98.3	93.5	100	96.6	0	0	95.6	
Trucks	0	91	0	61		152	0	4	51	96		151	0	1	0	6		7	0	80	66	4		150	0	0	460	
% Trucks	0	10	0	13.6		11.1	0	2.6	1.5	10.1		3.4	0	2.3	0	3.6		3.1	0	15.5	1.7	6.5	0	3.4	0	0	4.4	

Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Start Time	Evergreen Blvd Southbound					CR 132 Westbound					Springbrook Nature Center Northbound					CR 132 Eastbound					Int. Total
	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	
Peak Hour Analysis From 00:00 to 09:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 09:00																					
09:00	0	7	0	5	12	0	4	38	11	53	0	1	0	1	2	0	8	36	4	48	115
09:15	0	5	0	7	12	0	4	27	10	41	0	0	0	3	3	0	5	65	3	73	129
09:30	0	6	0	8	14	0	5	37	9	51	0	0	0	1	1	0	6	52	3	61	127
09:45	0	13	0	5	18	0	12	34	13	59	0	0	0	7	7	0	5	62	3	70	154
Total Volume	0	31	0	25	56	0	25	136	43	204	0	1	0	12	13	0	24	215	13	252	525
% App. Total	0	55.4	0	44.6		0	12.3	66.7	21.1		0	7.7	0	92.3		0	9.5	85.3	5.2		
PHF	.000	.596	.000	.781	.778	.000	.521	.895	.827	.864	.000	.250	.000	.429	.464	.000	.750	.827	.813	.863	.852

Peak Hour Analysis From 10:00 to 13:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:30																					
11:30	0	24	0	10	34	0	4	59	15	78	0	0	1	5	6	0	7	60	2	69	187
11:45	0	27	0	6	33	0	8	48	21	77	0	3	2	9	14	0	8	50	1	59	183
12:00	0	27	3	5	35	0	5	60	20	85	0	5	1	12	18	0	4	83	1	88	226
12:15	0	17	1	6	24	0	3	70	28	101	0	1	1	5	7	0	4	62	1	67	199
Total Volume	0	95	4	27	126	0	20	237	84	341	0	9	5	31	45	0	23	255	5	283	795
% App. Total	0	75.4	3.2	21.4		0	5.9	69.5	24.6		0	20	11.1	68.9		0	8.1	90.1	1.8		
PHF	.000	.880	.333	.675	.900	.000	.625	.846	.750	.844	.000	.450	.625	.646	.625	.000	.719	.768	.625	.804	.879

Peak Hour Analysis From 14:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 15:45																					
15:45	0	30	0	12	42	0	0	76	7	83	0	2	0	5	7	0	9	100	1	110	242
16:00	0	24	1	19	44	0	0	65	8	73	0	0	0	0	0	0	17	124	0	141	258
16:15	0	26	1	7	34	0	2	68	19	89	0	0	0	3	3	0	6	103	0	109	235
16:30	0	75	0	39	114	0	1	64	9	74	0	0	0	2	2	0	8	92	0	100	290
Total Volume	0	155	2	77	234	0	3	273	43	319	0	2	0	10	12	0	40	419	1	460	1025
% App. Total	0	66.2	0.9	32.9		0	0.9	85.6	13.5		0	16.7	0	83.3		0	8.7	91.1	0.2		
PHF	.000	.517	.500	.494	.513	.000	.375	.898	.566	.896	.000	.250	.000	.500	.429	.000	.588	.845	.250	.816	.884



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2214
 Site Code :
 Start Date : 05/19/2022
 Page No : 1

Weather: Warm & Cloudy
 CountCAM 2
 Study Conducted By: Kevin

Groups Printed- Trucks

Start Time	Evergreen Blvd Southbound					CR 132 Westbound					Springbrook Nature Center Northbound					CR 132 Eastbound					Int. Total
	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	
00:00	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	3
00:15	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	3
00:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
Total	0	3	0	1	4	0	0	0	1	1	0	0	0	0	0	0	3	0	0	3	8
01:00	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
01:45	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	1	0	2	3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	4
02:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:45	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	2
Total	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	3
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
03:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:30	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	3
03:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	5
04:00	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	1	1	0	0	0	0	0	0	0	1	0	1	2
04:30	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	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	3
05:00	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
05:15	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
05:30	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
05:45	0	1	0	1	2	0	0	1	1	2	0	0	0	0	0	0	1	0	0	1	5
Total	0	3	0	3	6	0	0	1	2	3	0	0	0	0	0	0	2	0	0	2	11
06:00	0	1	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	4
06:15	0	4	0	3	7	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	8
06:30	0	2	0	2	4	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	6
06:45	0	0	0	2	2	0	0	1	1	2	0	0	0	0	0	0	0	2	0	2	6
Total	0	7	0	9	16	0	0	1	3	4	0	0	0	0	0	0	1	3	0	4	24
07:00	0	3	0	0	3	0	0	1	0	1	0	0	0	0	0	0	1	2	0	3	7
07:15	0	1	0	1	2	0	0	1	2	3	0	0	0	0	0	0	1	2	0	3	8
07:30	0	1	0	0	1	0	0	2	3	5	0	0	0	0	0	0	1	2	0	3	9
07:45	0	2	0	3	5	0	0	1	1	2	0	0	0	0	0	0	3	3	0	6	13
Total	0	7	0	4	11	0	0	5	6	11	0	0	0	0	0	0	6	9	0	15	37
08:00	0	1	0	2	3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	4
08:15	0	2	0	1	3	0	0	2	0	2	0	0	0	0	0	0	2	0	0	2	7
08:30	0	1	0	2	3	0	0	1	5	6	0	0	0	0	0	0	2	2	0	4	13
08:45	0	0	0	1	1	0	0	2	2	4	0	0	0	0	0	0	1	3	0	4	9
Total	0	4	0	6	10	0	0	5	8	13	0	0	0	0	0	0	5	5	0	10	33



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2214
 Site Code :
 Start Date : 05/19/2022
 Page No : 3

Weather: Warm & Cloudy
 CountCAM 2
 Study Conducted By: Kevin

Groups Printed- Trucks

Start Time	Evergreen Blvd Southbound					CR 132 Westbound					Springbrook Nature Center Northbound					CR 132 Eastbound					Int. Total
	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	UTrn	Left	Thru	Right	App. Total	
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	3
18:45	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	2
Total	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	4	1	0	5	6
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
19:15	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
19:30	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
19:45	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	0	0	0	0	0	1	3	4	0	0	0	0	0	0	1	1	0	2	6
20:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	3
20:15	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	1	2
20:30	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
20:45	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	3
Total	0	2	0	0	2	0	0	1	2	3	0	0	0	0	0	0	3	1	0	4	9
21:00	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	3
21:15	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
21:30	0	1	0	1	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	3
21:45	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	2
Total	0	2	0	2	4	0	0	1	2	3	0	0	0	0	0	0	1	1	0	2	9
22:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
22:15	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
22:30	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	3
22:45	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	1	0	0	1	3
Total	0	4	0	0	4	0	0	1	2	3	0	0	0	0	0	0	1	2	0	3	10
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	1	1	2	0	0	0	0	0	0	0	0	0	0	2
23:30	0	1	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
23:45	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
Total	0	1	0	1	2	0	0	1	2	3	0	0	0	0	0	0	1	0	0	1	6
Grand Total	0	91	0	61	152	0	4	51	96	151	0	1	0	6	7	0	80	66	4	150	460
Apprch %	0	59.9	0	40.1		0	2.6	33.8	63.6		0	14.3	0	85.7		0	53.3	44	2.7		
Total %	0	19.8	0	13.3	33	0	0.9	11.1	20.9	32.8	0	0.2	0	1.3	1.5	0	17.4	14.3	0.9	32.6	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2214

Study Date : 06/02/2022

Signal Warrants - Summary

Major Street Approaches

Eastbound: CR 132

Number of Lanes : 2+

Total Approach Volume: 4,395

Westbound: CR 132

Number of Lanes :2+

Total Approach Volume: 4,411

Minor Street Approaches

Northbound: Springbrook Nature Center

Number of Lanes :1

Total Approach Volume: 229

Southbound: Evergreen Blvd

Number of Lanes :1

Total Approach Volume: 1,374

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 5 hours, 8 are needed

Warrant 1B - Interruption of Continuous Traffic.....Not Satisfied

Required volumes reached for 3 hours, 8 are needed

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

Required 1A volumes reached for 6 hours, 8 are needed

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

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

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

Warrant 3 - Peak Hour.....Satisfied

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

Number of one hour periods (10) volumes exceed minimum >= required (1). Delay data not evaluated.

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

Volumes exceed minimums for at least one hour period.

Warrant 4 - Pedestrian Volumes.....Not Evaluated

Warrant 5 - School Crossing.....Not Evaluated

Warrant 6 - Coordinated Signal System.....Not Evaluated

Warrant 7 - Crash Experience.....Not Evaluated

Warrant 8 - Roadway Network.....Not Evaluated

Warrant 9 - Intersection Near a Grade Crossing.....Not Evaluated

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2214

Study Date : 06/02/2022

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

Only 3 one hour periods meet minimums.
Warrant is NOT met.

Site Data Required

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

Volume Requirements

Rural Factor of 70 % applied
 Veh/Hr Major = **630**
 Veh/Hr Minor = **53**

Time	Major Road CR 132				Total	Minor Road Springbrook Nature Center		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:00 - 16:00	414	+	368	=	782	24	176	Yes
16:00 - 17:00	440	+	313	=	753	5	236	Yes
14:00 - 15:00	334	+	327	=	661	17	93	Yes
11:30 - 12:30	283	+	341	=	624	45	126	No
11:45 - 12:45	276	+	343	=	619	48	117	No
12:00 - 13:00	284	+	325	=	609	41	106	No
13:45 - 14:45	303	+	301	=	604	16	100	No
17:00 - 18:00	339	+	257	=	596	11	68	No
11:15 - 12:15	285	+	301	=	586	41	128	No
12:15 - 13:15	252	+	313	=	565	28	90	No
17:15 - 18:15	325	+	235	=	560	16	61	No
13:30 - 14:30	273	+	275	=	548	13	83	No
13:15 - 14:15	283	+	254	=	537	12	73	No
12:30 - 13:30	261	+	273	=	534	23	77	No
11:00 - 12:00	258	+	267	=	525	27	115	No
17:45 - 18:45	275	+	243	=	518	14	42	No
17:30 - 18:30	273	+	245	=	518	15	52	No
13:00 - 14:00	250	+	267	=	517	15	70	No
12:45 - 13:45	261	+	255	=	516	17	71	No
18:00 - 19:00	262	+	252	=	514	17	29	No
10:45 - 11:45	250	+	255	=	505	21	100	No
18:15 - 19:15	233	+	257	=	490	16	22	No
10:30 - 11:30	238	+	226	=	464	20	79	No
09:00 - 10:00	252	+	204	=	456	13	56	No
18:30 - 19:30	210		246		456	18	21	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2214

Study Date : 06/02/2022

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

Only 6 hours meet 1A minimums.
8 hours meet 1B minimums.
Warrant is NOT met.

Site Data Required

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

Volume Requirements

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

Veh/Hr Minor = **84 42**

Major Road

CR 132

Minor Road

Springbrook Nature Center

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1A?
15:45 - 16:45	460	+	319	=	779	12	234	Yes
14:45 - 15:45	391	+	382	=	773	23	148	Yes
16:45 - 17:45	355	+	293	=	648	8	95	Yes
11:45 - 12:45	276	+	343	=	619	48	117	Yes
13:45 - 14:45	303	+	301	=	604	16	100	Yes
10:45 - 11:45	250	+	255	=	505	21	100	Yes
13:30 - 14:30	273	+	275	=	548	13	83	No
13:15 - 14:15	283	+	254	=	537	12	73	No
17:45 - 18:45	275	+	243	=	518	14	42	No
13:00 - 14:00	250	+	267	=	517	15	70	No
12:45 - 13:45	261	+	255	=	516	17	71	No
18:00 - 19:00	262	+	252	=	514	17	29	No

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
15:45 - 16:45	460	+	319	=	779	12	234	Yes
14:45 - 15:45	391	+	382	=	773	23	148	Yes
16:45 - 17:45	355	+	293	=	648	8	95	Yes
11:45 - 12:45	276	+	343	=	619	48	117	Yes
13:45 - 14:45	303	+	301	=	604	16	100	Yes
17:45 - 18:45	275	+	243	=	518	14	42	Yes
12:45 - 13:45	261	+	255	=	516	17	71	Yes
10:45 - 11:45	250	+	255	=	505	21	100	Yes
10:30 - 11:30	238	+	226	=	464	20	79	No
09:00 - 10:00	252	+	204	=	456	13	56	No
08:30 - 09:30	257	+	193	=	450	12	44	No
09:15 - 10:15	257	+	186	=	443	15	61	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2214

Study Date : 06/02/2022

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.

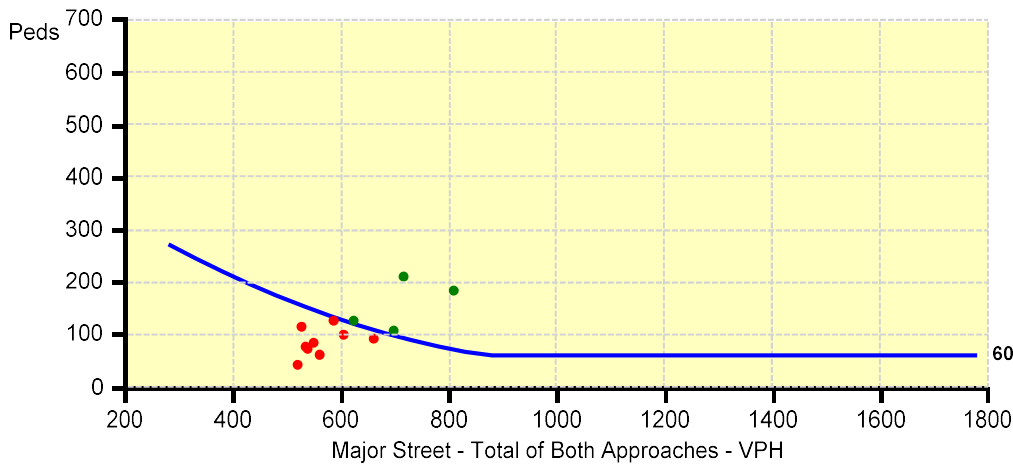
Summary

4 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 CR 132				=	Total	Minor Road Springbrook Nature Center		Met?
	Major EB	+	Major WB				Minor NB	Minor SB	
15:15 - 16:15	458	+	352	=	810	18	185	Yes	
16:15 - 17:15	393	+	322	=	715	7	210	Yes	
14:15 - 15:15	342	+	356	=	698	21	106	Yes	
11:30 - 12:30	283	+	341	=	624	45	126	Yes	
14:00 - 15:00	334	+	327	=	661	17	93	No	
13:45 - 14:45	303	+	301	=	604	16	100	No	
11:15 - 12:15	285	+	301	=	586	41	128	No	
17:15 - 18:15	325	+	235	=	560	16	61	No	
13:30 - 14:30	273	+	275	=	548	13	83	No	
13:15 - 14:15	283	+	254	=	537	12	73	No	
12:30 - 13:30	261	+	273	=	534	23	77	No	
							115	No	



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2214

Study Date : 06/02/2022

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

6 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 CR 132				Total	Minor Road Springbrook Nature Center		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
15:30 - 16:30	473	+	337	=	810	13	197	Yes
15:15 - 16:15	458	+	352	=	810	18	185	Yes
15:00 - 16:00	414	+	368	=	782	24	176	Yes
15:45 - 16:45	460	+	319	=	779	12	234	Yes
16:00 - 17:00	440	+	313	=	753	5	236	Yes
16:15 - 17:15	393	+	322	=	715	7	210	Yes
14:45 - 15:45	391	+	382	=	773	23	148	No
14:30 - 15:30	370	+	378	=	748	26	107	No
14:15 - 15:15	342	+	356	=	698	21	106	No
16:30 - 17:30	397	+	295	=	692	6	191	No
14:00 - 15:00	334	+	327	=	661	17	93	No
							95	No

