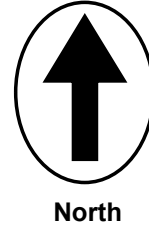


Date : 07/13/22

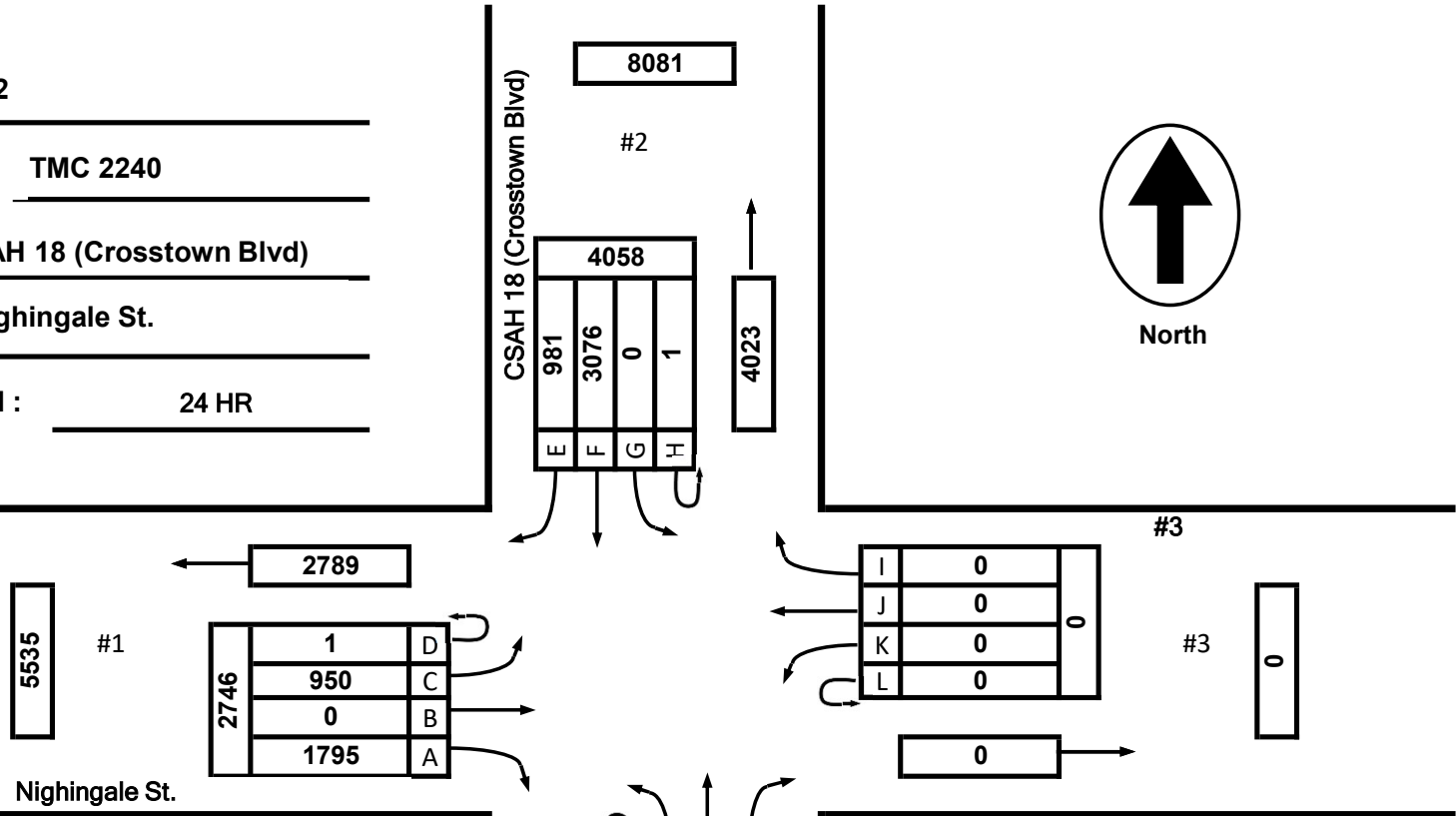
Count Number : TMC 2240

Location : CSAH 18 (Crosstown Blvd)
@ Nighingale St.

Collection Period : 24 HR



North



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

Anoka County Highway Department
 Traffic Volume and Turning Movement Study

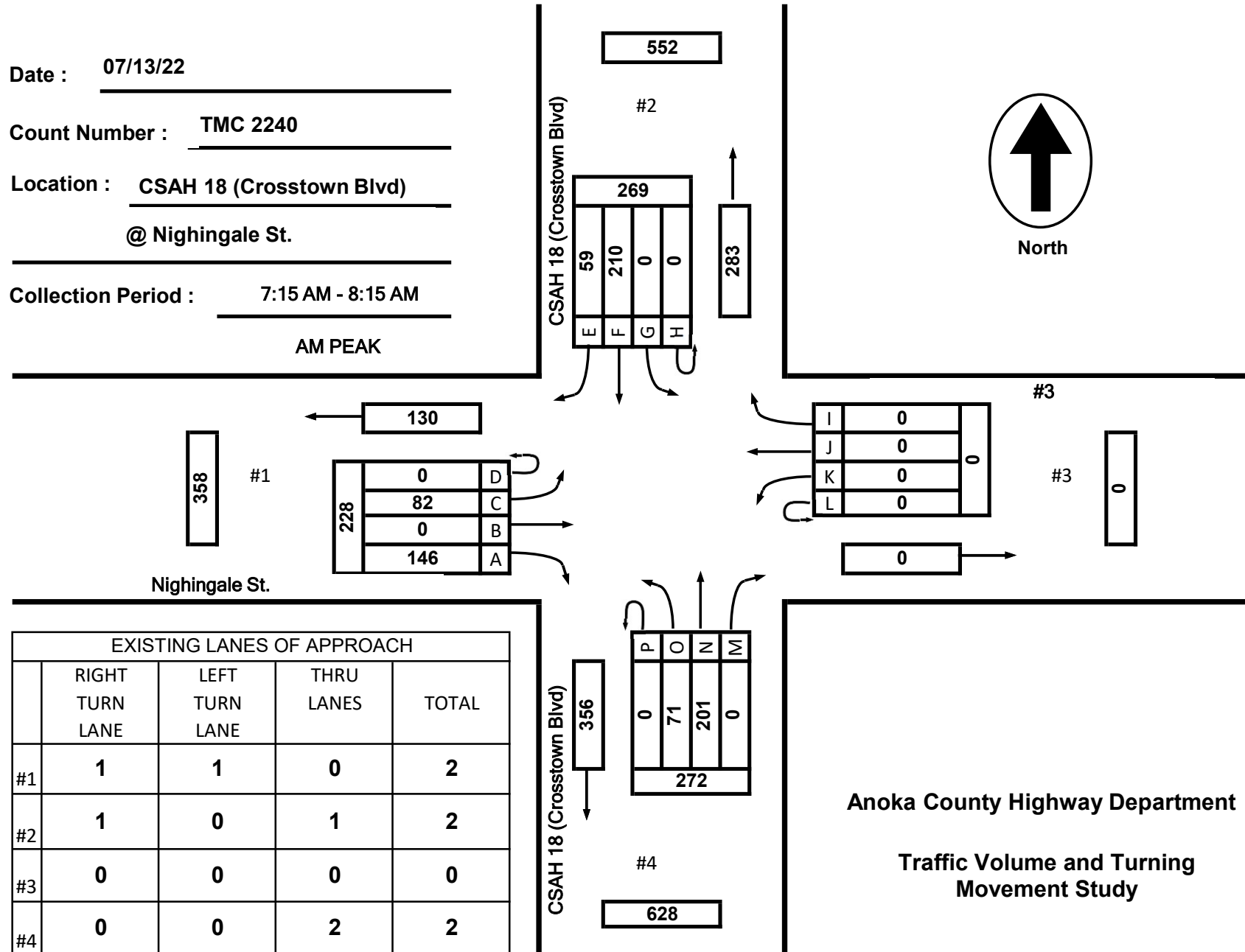
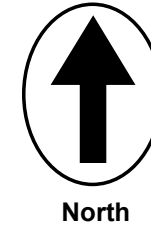
Date : 07/13/22

Count Number : TMC 2240

Location : CSAH 18 (Crosstown Blvd)
@ Nighingale St.

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

AM PEAK



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

Anoka County Highway Department

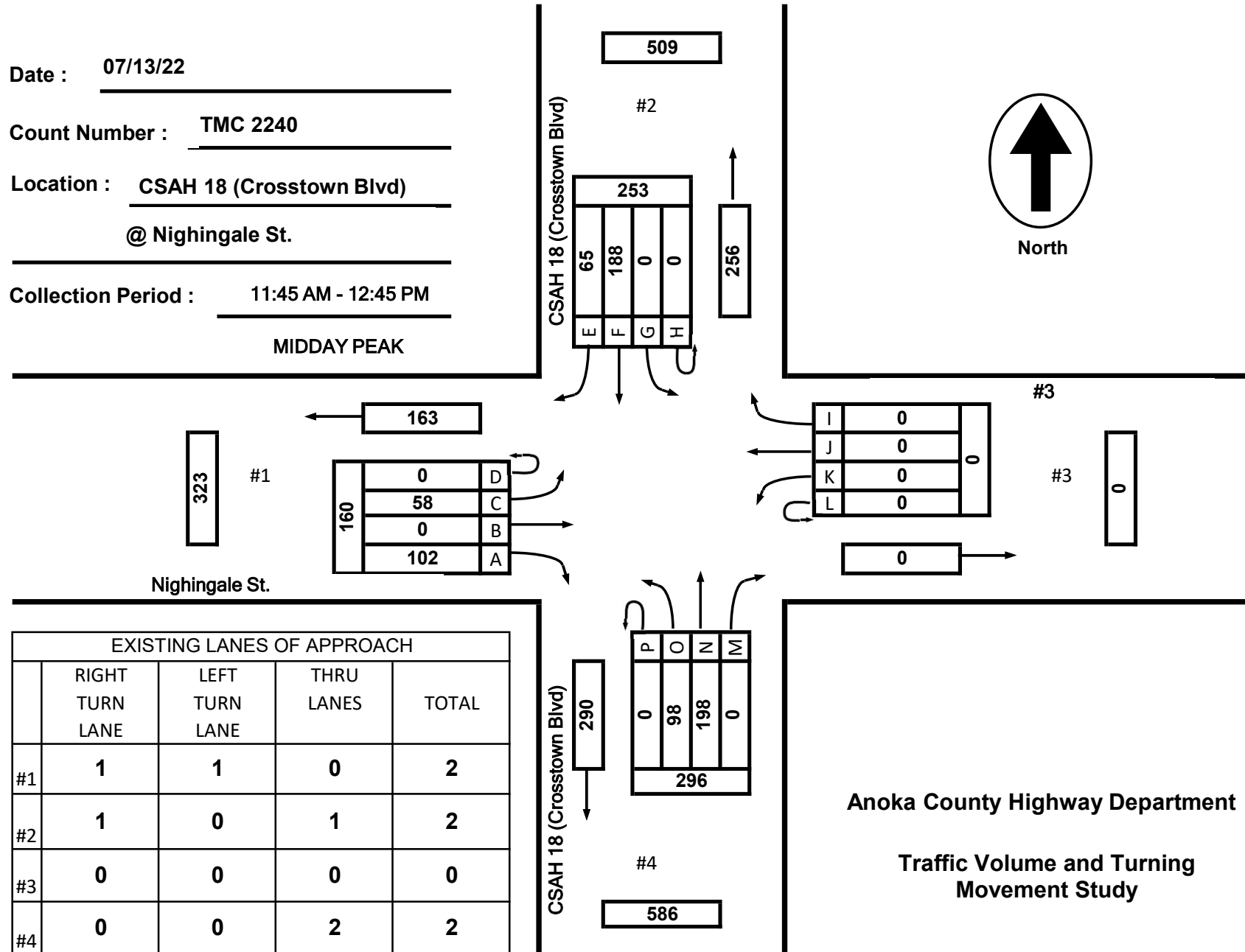
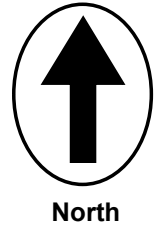
Traffic Volume and Turning Movement Study

Date : 07/13/22

Count Number : TMC 2240

Location : CSAH 18 (Crosstown Blvd)
@ Nighingale St.

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	0	2
#2	1	0	1	2
#3	0	0	0	0
#4	0	0	2	2

Anoka County Highway Department

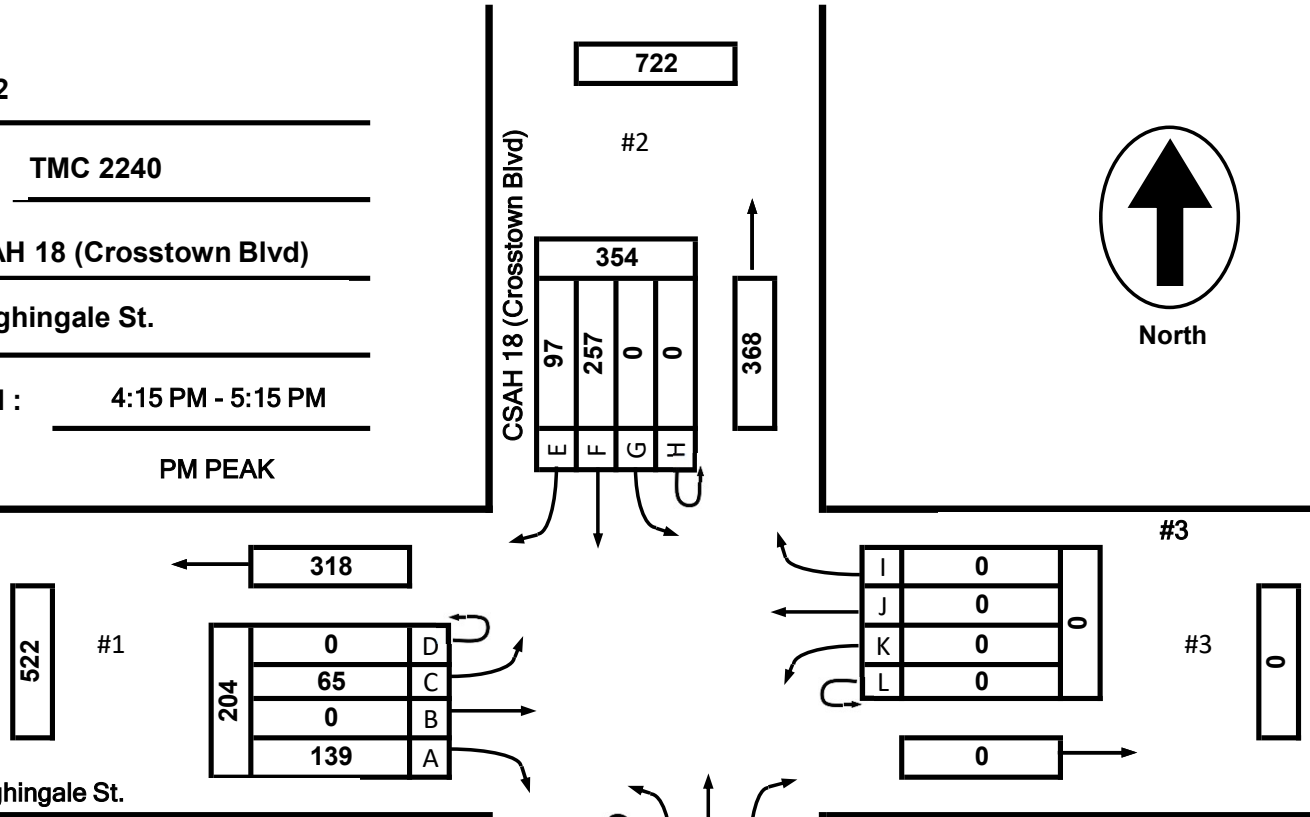
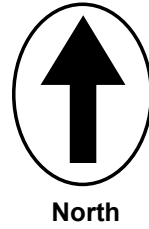
Traffic Volume and Turning Movement Study

Date : 07/13/22

Count Number : TMC 2240

Location : CSAH 18 (Crosstown Blvd)
@ Nighingale St.

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



Nighingale St.

CSAH 18 (Crosstown Blvd)

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

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 2240-t
 Site Code :
 Start Date : 07/13/2022
 Page No : 1

Weather: Warm & Sunny
 CountCAM 3
 Study Conducted By: Kevin

Groups Printed- Cars + - Trucks

Start Time	CSAH 18 (Crosstown Blvd) Southbound					Westbound					CSAH 18 (Crosstown Blvd) Northbound					Nightingale St 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	1	2	0	0	3	0	0	0	0	0	0	2	3	0	5	1	0	1	0	2	10
00:15	2	0	0	0	2	0	0	0	0	0	0	0	2	0	2	2	0	0	0	2	6
00:30	0	1	0	0	1	0	0	0	0	0	0	0	2	0	2	0	0	2	0	2	5
00:45	2	2	0	0	4	0	0	0	0	0	0	1	2	0	3	0	0	0	0	0	7
Total	5	5	0	0	10	0	0	0	0	0	0	3	9	0	12	3	0	3	0	6	28
01:00	0	1	0	0	1	0	0	0	0	0	0	1	3	0	4	1	0	1	0	2	7
01:15	1	2	0	0	3	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	5
01:30	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	3
01:45	1	0	0	0	1	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	3
Total	3	3	0	0	6	0	0	0	0	0	0	4	4	0	8	1	0	3	0	4	18
02:00	1	0	0	0	1	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	3
02:15	0	2	0	0	2	0	0	0	0	0	0	0	1	0	1	1	0	0	0	1	4
02:30	0	3	0	0	3	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	5
02:45	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	1	0	1	3
Total	1	5	0	0	6	0	0	0	0	0	0	3	3	0	6	2	0	1	0	3	15
03:00	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
03:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
03:30	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
03:45	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	5
Total	1	7	0	0	8	0	0	0	0	0	0	0	0	0	0	1	0	2	0	3	11
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
04:15	0	7	0	0	7	0	0	0	0	0	0	1	0	0	1	2	0	4	0	6	14
04:30	0	8	0	0	8	0	0	0	0	0	0	4	1	0	5	7	0	2	0	9	22
04:45	0	11	0	0	11	0	0	0	0	0	0	7	0	0	7	2	0	4	0	6	24
Total	0	26	0	0	26	0	0	0	0	0	0	12	1	0	13	12	0	10	0	22	61
05:00	0	8	0	0	8	0	0	0	0	0	0	4	3	0	7	9	0	7	0	16	31
05:15	1	6	0	0	7	0	0	0	0	0	0	5	0	0	5	10	0	6	0	16	28
05:30	0	9	0	0	9	0	0	0	0	0	0	5	2	0	7	10	0	8	0	18	34
05:45	1	13	0	0	14	0	0	0	0	0	0	15	3	0	18	18	0	14	0	32	64
Total	2	36	0	0	38	0	0	0	0	0	0	29	8	0	37	47	0	35	0	82	157



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2240-t
 Site Code :
 Start Date : 07/13/2022
 Page No : 2

Weather: Warm & Sunny
 CountCAM 3
 Study Conducted By: Kevin

Groups Printed- Cars + - Trucks

Start Time	CSAH 18 (Crosstown Blvd) Southbound					Westbound					CSAH 18 (Crosstown Blvd) Northbound					Nightingale St 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	
06:00	2	17	0	0	19	0	0	0	0	0	0	10	5	0	15	19	0	13	0	32	66
06:15	3	26	0	0	29	0	0	0	0	0	0	15	2	0	17	17	0	16	0	33	79
06:30	5	37	0	0	42	0	0	0	0	0	0	27	5	0	32	36	0	16	0	52	126
06:45	5	56	0	0	61	0	0	0	0	0	0	33	18	0	51	58	0	21	0	79	191
Total	15	136	0	0	151	0	0	0	0	0	0	85	30	0	115	130	0	66	0	196	462
07:00	6	39	0	0	45	0	0	0	0	0	0	41	12	0	53	31	0	15	0	46	144
07:15	6	50	0	0	56	0	0	0	0	0	0	25	6	0	31	33	0	18	0	51	138
07:30	7	57	0	0	64	0	0	0	0	0	0	32	13	0	45	40	0	22	0	62	171
07:45	6	53	0	0	59	0	0	0	0	0	0	52	19	0	71	49	0	16	0	65	195
Total	25	199	0	0	224	0	0	0	0	0	0	150	50	0	200	153	0	71	0	224	648
08:00	11	42	0	0	53	0	0	0	0	0	0	43	14	0	57	31	0	10	0	41	151
08:15	13	57	0	0	70	0	0	0	0	0	0	54	18	0	72	42	0	17	0	59	201
08:30	8	47	0	0	55	0	0	0	0	0	0	55	25	0	80	37	0	29	0	66	201
08:45	16	56	0	0	72	0	0	0	0	0	0	56	14	0	70	32	0	18	0	50	192
Total	48	202	0	0	250	0	0	0	0	0	0	208	71	0	279	142	0	74	0	216	745
09:00	22	50	0	0	72	0	0	0	0	0	0	36	14	0	50	35	0	18	0	53	175
09:15	5	53	0	0	58	0	0	0	0	0	0	40	12	0	52	23	0	15	0	38	148
09:30	8	50	0	0	58	0	0	0	0	0	0	35	20	0	55	25	0	8	0	33	146
09:45	14	52	0	0	66	0	0	0	0	0	0	37	15	0	52	35	0	13	0	48	166
Total	49	205	0	0	254	0	0	0	0	0	0	148	61	0	209	118	0	54	0	172	635
10:00	9	35	0	0	44	0	0	0	0	0	0	43	19	0	62	25	0	9	0	34	140
10:15	5	56	0	0	61	0	0	0	0	0	0	38	15	0	53	25	0	8	0	33	147
10:30	4	46	0	0	50	0	0	0	0	0	0	39	17	0	56	23	0	15	0	38	144
10:45	11	57	0	0	68	0	0	0	0	0	0	48	24	0	72	27	0	12	0	39	179
Total	29	194	0	0	223	0	0	0	0	0	0	168	75	0	243	100	0	44	0	144	610
11:00	20	54	0	0	74	0	0	0	0	0	0	36	32	0	68	17	0	15	0	32	174
11:15	12	46	0	0	58	0	0	0	0	0	0	34	23	0	57	28	0	12	0	40	155
11:30	17	36	0	0	53	0	0	0	0	0	0	49	16	0	65	25	0	11	0	36	154
11:45	9	52	0	0	61	0	0	0	0	0	0	59	19	0	78	27	0	16	0	43	182
Total	58	188	0	0	246	0	0	0	0	0	0	178	90	0	268	97	0	54	0	151	665
12:00	19	49	0	0	68	0	0	0	0	0	0	49	27	0	76	23	0	14	0	37	181
12:15	21	49	0	0	70	0	0	0	0	0	0	41	19	0	60	25	0	14	0	39	169
12:30	16	38	0	0	54	0	0	0	0	0	0	49	33	0	82	27	0	14	0	41	177



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2240-t
 Site Code :
 Start Date : 07/13/2022
 Page No : 3

Weather: Warm & Sunny
 CountCAM 3
 Study Conducted By: Kevin

Groups Printed- Cars + - Trucks

Start Time	CSAH 18 (Crosstown Blvd) Southbound					Westbound					CSAH 18 (Crosstown Blvd) Northbound					Nightingale St 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	
12:45	14	46	0	0	60	0	0	0	0	0	0	42	27	0	69	31	0	15	1	47	176
Total	70	182	0	0	252	0	0	0	0	0	0	181	106	0	287	106	0	57	1	164	703
13:00	17	56	0	0	73	0	0	0	0	0	0	50	31	0	81	18	0	7	0	25	179
13:15	15	46	0	1	62	0	0	0	0	0	0	45	27	0	72	13	0	7	0	20	154
13:30	9	48	0	0	57	0	0	0	0	0	0	37	19	0	56	20	0	10	0	30	143
13:45	7	50	0	0	57	0	0	0	0	0	0	51	23	0	74	20	0	6	0	26	157
Total	48	200	0	1	249	0	0	0	0	0	0	183	100	0	283	71	0	30	0	101	633
14:00	6	37	0	0	43	0	0	0	0	0	0	46	28	0	74	25	0	17	0	42	159
14:15	12	32	0	0	44	0	0	0	0	0	0	40	21	0	61	27	0	15	0	42	147
14:30	13	34	0	0	47	0	0	0	0	0	0	35	42	0	77	21	0	10	0	31	155
14:45	16	42	0	0	58	0	0	0	0	0	0	39	28	0	67	23	0	8	0	31	156
Total	47	145	0	0	192	0	0	0	0	0	0	160	119	0	279	96	0	50	0	146	617
15:00	13	40	0	0	53	0	0	0	0	0	0	51	41	0	92	24	0	9	0	33	178
15:15	16	44	0	0	60	0	0	0	0	0	0	66	34	0	100	30	0	9	0	39	199
15:30	15	57	0	0	72	0	0	0	0	0	0	59	30	0	89	21	0	7	0	28	189
15:45	24	61	0	0	85	0	0	0	0	0	0	57	43	0	100	29	0	16	0	45	230
Total	68	202	0	0	270	0	0	0	0	0	0	233	148	0	381	104	0	41	0	145	796
16:00	23	65	0	0	88	0	0	0	0	0	0	72	34	0	106	29	0	19	0	48	242
16:15	17	53	0	0	70	0	0	0	0	0	0	90	61	0	151	38	0	11	0	49	270
16:30	31	62	0	0	93	0	0	0	0	0	0	67	60	0	127	40	0	9	0	49	269
16:45	28	74	0	0	102	0	0	0	0	0	0	69	50	0	119	32	0	20	0	52	273
Total	99	254	0	0	353	0	0	0	0	0	0	298	205	0	503	139	0	59	0	198	1054
17:00	21	68	0	0	89	0	0	0	0	0	0	77	50	0	127	29	0	25	0	54	270
17:15	17	60	0	0	77	0	0	0	0	0	0	80	46	0	126	37	0	27	0	64	267
17:30	24	52	0	0	76	0	0	0	0	0	0	86	43	0	129	34	0	27	0	61	266
17:45	30	62	0	0	92	0	0	0	0	0	0	50	47	0	97	29	0	19	0	48	237
Total	92	242	0	0	334	0	0	0	0	0	0	293	186	0	479	129	0	98	0	227	1040
18:00	20	33	0	0	53	0	0	0	0	0	0	71	42	0	113	28	0	19	0	47	213
18:15	24	71	0	0	95	0	0	0	0	0	0	56	38	0	94	23	0	21	0	44	233
18:30	20	50	0	0	70	0	0	0	0	0	0	51	36	0	87	33	0	20	0	53	210
18:45	22	50	0	0	72	0	0	0	0	0	0	47	33	1	81	50	0	16	0	66	219
Total	86	204	0	0	290	0	0	0	0	0	0	225	149	1	375	134	0	76	0	210	875



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2240-t
 Site Code :
 Start Date : 07/13/2022
 Page No : 4

Weather: Warm & Sunny
 CountCAM 3
 Study Conducted By: Kevin

Groups Printed- Cars + - Trucks

Start Time	CSAH 18 (Crosstown Blvd) Southbound					Westbound					CSAH 18 (Crosstown Blvd) Northbound					Nightingale St 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	16	39	0	0	55	0	0	0	0	0	0	49	32	0	81	20	0	15	0	35	171
19:15	14	36	0	0	50	0	0	0	0	0	0	43	27	0	70	15	0	15	0	30	150
19:30	12	29	0	0	41	0	0	0	0	0	0	37	33	0	70	20	0	12	0	32	143
19:45	18	30	0	0	48	0	0	0	0	0	0	37	26	0	63	22	0	14	0	36	147
Total	60	134	0	0	194	0	0	0	0	0	0	166	118	0	284	77	0	56	0	133	611
20:00	15	37	0	0	52	0	0	0	0	0	0	52	27	0	79	11	0	6	0	17	148
20:15	26	42	0	0	68	0	0	0	0	0	0	52	31	0	83	24	0	5	0	29	180
20:30	14	29	0	0	43	0	0	0	0	0	0	50	52	0	102	22	0	4	0	26	171
20:45	28	37	0	0	65	0	0	0	0	0	0	32	32	0	64	16	0	6	0	22	151
Total	83	145	0	0	228	0	0	0	0	0	0	186	142	0	328	73	0	21	0	94	650
21:00	13	38	0	0	51	0	0	0	0	0	0	27	21	0	48	4	0	7	0	11	110
21:15	9	18	0	0	27	0	0	0	0	0	0	23	24	0	47	8	0	6	0	14	88
21:30	14	25	0	0	39	0	0	0	0	0	0	38	25	0	63	10	0	7	0	17	119
21:45	8	23	0	0	31	0	0	0	0	0	0	15	8	0	23	5	0	5	0	10	64
Total	44	104	0	0	148	0	0	0	0	0	0	103	78	0	181	27	0	25	0	52	381
22:00	10	15	0	0	25	0	0	0	0	0	0	10	14	0	24	8	0	3	0	11	60
22:15	9	6	0	0	15	0	0	0	0	0	0	13	13	0	26	6	0	2	0	8	49
22:30	4	10	0	0	14	0	0	0	0	0	0	8	7	0	15	6	0	8	0	14	43
22:45	9	9	0	0	18	0	0	0	0	0	0	8	4	0	12	4	0	2	0	6	36
Total	32	40	0	0	72	0	0	0	0	0	0	39	38	0	77	24	0	15	0	39	188
23:00	4	5	0	0	9	0	0	0	0	0	0	3	6	0	9	5	0	1	0	6	24
23:15	4	2	0	0	6	0	0	0	0	0	0	6	6	0	12	2	0	0	0	2	20
23:30	4	6	0	0	10	0	0	0	0	0	0	5	2	0	7	2	0	3	0	5	22
23:45	4	5	0	0	9	0	0	0	0	0	0	3	2	0	5	0	0	1	0	1	15
Total	16	18	0	0	34	0	0	0	0	0	0	17	16	0	33	9	0	5	0	14	81
Grand Total	981	3076	0	1	4058	0	0	0	0	0	0	3072	1807	1	4880	1795	0	950	1	2746	11684
Apprch %	24.2	75.8	0	0		0	0	0	0		0	63	37	0		65.4	0	34.6	0		
Total %	8.4	26.3	0	0	34.7	0	0	0	0		0	26.3	15.5	0	41.8	15.4	0	8.1	0	23.5	
Cars +	946	3039	0	1	3986	0	0	0	0		0	3021	1784	1	4806	1770	0	936	1	2707	11499
% Cars +	96.4	98.8	0	100	98.2	0	0	0	0		0	98.3	98.7	100	98.5	98.6	0	98.5	100	98.6	98.4
Trucks	35	37	0	0	72	0	0	0	0		0	51	23	0	74	25	0	14	0	39	185
% Trucks	3.6	1.2	0	0	1.8	0	0	0	0		0	1.7	1.3	0	1.5	1.4	0	1.5	0	1.4	1.6



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2240-t
 Site Code :
 Start Date : 07/13/2022
 Page No : 5

Weather: Warm & Sunny
 CountCAM 3
 Study Conducted By: Kevin

Start Time	CSAH 18 (Crosstown Blvd) Southbound					Westbound					CSAH 18 (Crosstown Blvd) Northbound					Nightingale St 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 08:15																					
08:15	13	57	0	0	70	0	0	0	0	0	0	54	18	0	72	42	0	17	0	59	201
08:30	8	47	0	0	55	0	0	0	0	0	0	55	25	0	80	37	0	29	0	66	201
08:45	16	56	0	0	72	0	0	0	0	0	0	56	14	0	70	32	0	18	0	50	192
09:00	22	50	0	0	72	0	0	0	0	0	0	36	14	0	50	35	0	18	0	53	175
Total Volume	59	210	0	0	269	0	0	0	0	0	0	201	71	0	272	146	0	82	0	228	769
% App. Total	21.9	78.1	0	0		0	0	0	0	0	0	73.9	26.1	0		64	0	36	0		
PHF	.670	.921	.000	.000	.934	.000	.000	.000	.000	.000	.000	.897	.710	.000	.850	.869	.000	.707	.000	.864	.956

Peak Hour Analysis From 10:00 to 13:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:45																					
11:45	9	52	0	0	61	0	0	0	0	0	0	59	19	0	78	27	0	16	0	43	182
12:00	19	49	0	0	68	0	0	0	0	0	0	49	27	0	76	23	0	14	0	37	181
12:15	21	49	0	0	70	0	0	0	0	0	0	41	19	0	60	25	0	14	0	39	169
12:30	16	38	0	0	54	0	0	0	0	0	0	49	33	0	82	27	0	14	0	41	177
Total Volume	65	188	0	0	253	0	0	0	0	0	0	198	98	0	296	102	0	58	0	160	709
% App. Total	25.7	74.3	0	0		0	0	0	0	0	0	66.9	33.1	0		63.8	0	36.2	0		
PHF	.774	.904	.000	.000	.904	.000	.000	.000	.000	.000	.000	.839	.742	.000	.902	.944	.000	.906	.000	.930	.974

Peak Hour Analysis From 14:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:15																					
16:15	17	53	0	0	70	0	0	0	0	0	0	90	61	0	151	38	0	11	0	49	270
16:30	31	62	0	0	93	0	0	0	0	0	0	67	60	0	127	40	0	9	0	49	269
16:45	28	74	0	0	102	0	0	0	0	0	0	69	50	0	119	32	0	20	0	52	273
17:00	21	68	0	0	89	0	0	0	0	0	0	77	50	0	127	29	0	25	0	54	270
Total Volume	97	257	0	0	354	0	0	0	0	0	0	303	221	0	524	139	0	65	0	204	1082
% App. Total	27.4	72.6	0	0		0	0	0	0	0	0	57.8	42.2	0		68.1	0	31.9	0		
PHF	.782	.868	.000	.000	.868	.000	.000	.000	.000	.000	.000	.842	.906	.000	.868	.869	.000	.650	.000	.944	.991



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2240-t
 Site Code :
 Start Date : 07/13/2022
 Page No : 1

Weather: Warm & Sunny
 CountCAM 3
 Study Conducted By: Kevin

Groups Printed- Trucks

Start Time	CSAH 18 (Crosstown Blvd) Southbound					Westbound					CSAH 18 (Crosstown Blvd) Northbound					Nightingale St 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
00:45	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
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	0	0	0	0	0	0	0	0	0	0	0	0
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	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
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	0	0	0	0	0	0
02:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	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	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
03:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0
03:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
Total	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	0	0	1	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	1
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:45	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
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15	0	1	0	0	1	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	3
06:30	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
06:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	2	0	0	2	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	5
07:00	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	2
07:15	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	3	5
07:30	1	1	0	0	2	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	3
07:45	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	1	2
Total	1	3	0	0	4	0	0	0	0	0	0	1	3	0	4	3	0	1	0	0	4	12
08:00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	2
08:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30	1	1	0	0	2	0	0	0	0	0	0	5	0	0	5	0	0	1	0	0	1	8
08:45	1	4	0	0	5	0	0	0	0	0	0	8	0	0	8	0	0	4	0	0	4	17
Total	2	5	0	0	7	0	0	0	0	0	0	13	1	0	14	1	0	5	0	0	6	27
09:00	9	3	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	13



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2240-t
 Site Code :
 Start Date : 07/13/2022
 Page No : 2

Weather: Warm & Sunny
 CountCAM 3
 Study Conducted By: Kevin

Groups Printed- Trucks

Start Time	CSAH 18 (Crosstown Blvd) Southbound					Westbound					CSAH 18 (Crosstown Blvd) Northbound					Nightingale St 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
09:30	0	1	0	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
09:45	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	10	4	0	0	14	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	16
10:00	0	1	0	0	1	0	0	0	0	0	0	0	2	0	2	1	0	0	0	1	4
10:15	0	1	0	0	1	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	3
10:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
10:45	0	3	0	0	3	0	0	0	0	0	0	2	3	0	5	1	0	0	0	1	9
Total	0	5	0	0	5	0	0	0	0	0	0	3	5	0	8	4	0	0	0	4	17
11:00	1	2	0	0	3	0	0	0	0	0	0	1	2	0	3	1	0	0	0	1	7
11:15	2	0	0	0	2	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	4
11:30	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	1	0	0	0	1	4
11:45	2	1	0	0	3	0	0	0	0	0	0	7	0	0	7	1	0	1	0	2	12
Total	5	3	0	0	8	0	0	0	0	0	0	12	2	0	14	4	0	1	0	5	27
12:00	8	2	0	0	10	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	12
12:15	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	4
12:30	2	0	0	0	2	0	0	0	0	0	0	2	0	0	2	1	0	0	0	1	5
12:45	0	1	0	0	1	0	0	0	0	0	0	1	3	0	4	0	0	1	0	1	6
Total	11	5	0	0	16	0	0	0	0	0	0	4	4	0	8	2	0	1	0	3	27
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	2
13:15	0	2	0	0	2	0	0	0	0	0	0	0	3	0	3	1	0	0	0	1	6
13:30	0	1	0	0	1	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	4
13:45	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
Total	0	3	0	0	3	0	0	0	0	0	0	3	4	0	7	2	0	1	0	3	13
14:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	2
14:15	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	3
14:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
14:45	2	1	0	0	3	0	0	0	0	0	0	2	0	0	2	1	0	0	0	1	6
Total	2	2	0	0	4	0	0	0	0	0	0	4	0	0	4	2	0	2	0	4	12
15:00	2	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
15:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	2
15:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	1	2
15:45	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	2	2	0	0	4	0	0	0	0	0	0	1	0	0	1	3	0	0	0	3	8
16:00	0	0	0	0	0	0	0	0	0	0	0	3	1	0	4	0	0	0	0	0	4
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
16:30	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2
16:45	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	0	1	0	0	0	0	0	0	3	1	0	4	1	0	1	0	2	7
17:00	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1
17:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
17:45	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	1	0	0	0	1	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	3
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
18:45	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	3
Total	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	4



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 2240-t
 Site Code :
 Start Date : 07/13/2022
 Page No : 3

Weather: Warm & Sunny
 CountCAM 3
 Study Conducted By: Kevin

Groups Printed- Trucks

Start Time	CSAH 18 (Crosstown Blvd) Southbound					Westbound					CSAH 18 (Crosstown Blvd) Northbound					Nightingale St 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	0	0	0	0	0
19:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:30	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	2
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	0	0	0	0	0	0	1	1	0	2	0	0	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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	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	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
Grand Total	35	37	0	0	72	0	0	0	0	0	0	51	23	0	74	25	0	14	0	39	185
Apprch %	48.6	51.4	0	0		0	0	0	0		0	68.9	31.1	0		64.1	0	35.9	0		
Total %	18.9	20	0	0	38.9	0	0	0	0	0	0	27.6	12.4	0	40	13.5	0	7.6	0	21.1	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 07/13/2022

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 18 (Crosstown Blvd)

Number of Lanes : 1

Total Approach Volume: 4,880

Southbound: CSAH 18 (Crosstown Blvd)

Number of Lanes : 1

Total Approach Volume: 4,058

Minor Street Approaches

Eastbound: Nightingale St

Number of Lanes : 1

Total Approach Volume: 2,746

Warrant Summary (Rural Values Apply)

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

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

Required volumes reached for 14 hours, 8 are needed

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

Required volumes reached for 9 hours, 8 are needed

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

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

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

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

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

Warrant 3 - Peak Hour.....Satisfied

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

Number of one hour periods (35) 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 : 07/13/2022

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

14 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Volume Requirements

Rural Factor of 70 % applied
Veh/Hr Major = **350**

Veh/Hr Minor = **105**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	CSAH 18 (Crosstown Blvd)					Nightingale St		
16:30 - 17:30	499	+	361	=	860	219	0	Yes
15:30 - 16:30	446	+	315	=	761	170	0	Yes
17:30 - 18:30	433	+	316	=	749	200	0	Yes
18:30 - 19:30	319	+	247	=	566	184	0	Yes
14:30 - 15:30	336	+	218	=	554	134	0	Yes
12:30 - 13:30	304	+	249	=	553	133	0	Yes
11:30 - 12:30	279	+	252	=	531	155	0	Yes
08:30 - 09:30	252	+	257	=	509	207	0	Yes
19:30 - 20:30	295	+	209	=	504	114	0	Yes
10:30 - 11:30	253	+	250	=	503	149	0	Yes
07:30 - 08:30	245	+	246	=	491	227	0	Yes
13:30 - 14:30	265	+	201	=	466	140	0	Yes
09:30 - 10:30	222	+	229	=	451	148	0	Yes
06:30 - 07:30	167	+	204	=	371	228	0	Yes
20:30 - 21:30	261	+	186	=	447	73	0	No
20:45 - 21:45	222	+	182	=	404	64	0	No
06:15 - 07:15	153	+	177	=	330	210	0	No
21:00 - 22:00	181	+	148	=	329	52	0	No
21:15 - 22:15	157	+	122	=	279	52	0	No
06:00 - 07:00	115	+	151	=	266	196	0	No
21:30 - 22:30	136	+	110	=	246	46	0	No
05:45 - 06:45	82	+	104	=	186	149	0	No
21:45 - 22:45	88	+	85	=	173	43	0	No
22:00 - 23:00	77	+	72	=	149	39	0	No
05:30 - 06:30	57		71		128	115	0	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 07/13/2022

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

9 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Volume Requirements

Rural Factor of 70 % applied
Veh/Hr Major = **525**

Veh/Hr Minor = **52**

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	CSAH 18 (Crosstown Blvd)					Nightingale St		
16:30 - 17:30	499	+	361	=	860	219	0	Yes
15:30 - 16:30	446	+	315	=	761	170	0	Yes
17:30 - 18:30	433	+	316	=	749	200	0	Yes
18:30 - 19:30	319	+	247	=	566	184	0	Yes
14:30 - 15:30	336	+	218	=	554	134	0	Yes
12:30 - 13:30	304	+	249	=	553	133	0	Yes
19:45 - 20:45	327	+	211	=	538	108	0	Yes
11:30 - 12:30	279	+	252	=	531	155	0	Yes
08:00 - 09:00	279	+	250	=	529	216	0	Yes
07:45 - 08:45	280	+	237	=	517	231	0	No
11:15 - 12:15	276	+	240	=	516	156	0	No
10:45 - 11:45	262	+	253	=	515	147	0	No
11:00 - 12:00	268	+	246	=	514	151	0	No
19:30 - 20:30	295	+	209	=	504	114	0	No
10:30 - 11:30	253	+	250	=	503	149	0	No
10:15 - 11:15	249	+	253	=	502	142	0	No
14:15 - 15:15	297	+	202	=	499	137	0	No
07:30 - 08:30	245	+	246	=	491	227	0	No
13:45 - 14:45	286	+	191	=	477	141	0	No
14:00 - 15:00	279	+	192	=	471	146	0	No
13:30 - 14:30	265	+	201	=	466	140	0	No
10:00 - 11:00	243	+	223	=	466	144	0	No
09:00 - 10:00	209	+	254	=	463	172	0	No
09:30 - 10:30	222	+	229	=	451	148	0	No
09:15 - 10:15	221		226		447	153	0	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 07/13/2022

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

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

Site Data Required

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

Volume Requirements

Rural Factor of 70% applied
Warrant 1A 1B
Veh/Hr Major = **280 420**

Veh/Hr Minor = **84 42**

Major Road CSAH 18 (Crosstown Blvd)

Minor Road Nightingale St

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
16:15 - 17:15	524	+	354	=	878	204	0	Yes
17:15 - 18:15	465	+	298	=	763	220	0	Yes
15:15 - 16:15	395	+	305	=	700	160	0	Yes
18:15 - 19:15	343	+	292	=	635	198	0	Yes
12:15 - 13:15	292	+	257	=	549	152	0	Yes
08:15 - 09:15	272	+	269	=	541	228	0	Yes
20:15 - 21:15	297	+	227	=	524	88	0	Yes
11:15 - 12:15	276	+	240	=	516	156	0	Yes
10:15 - 11:15	249	+	253	=	502	142	0	Yes
14:15 - 15:15	297	+	202	=	499	137	0	Yes
13:15 - 14:15	276	+	219	=	495	118	0	Yes
19:15 - 20:15	282	+	191	=	473	115	0	Yes

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:00 - 17:00	503	+	353	=	856	198	0	Yes
17:00 - 18:00	479	+	334	=	813	227	0	Yes
18:00 - 19:00	375	+	290	=	665	210	0	Yes
15:00 - 16:00	381	+	270	=	651	145	0	Yes
20:00 - 21:00	328	+	228	=	556	94	0	Yes
12:00 - 13:00	287	+	252	=	539	164	0	Yes
13:00 - 14:00	283	+	249	=	532	101	0	Yes
08:00 - 09:00	279	+	250	=	529	216	0	Yes
11:00 - 12:00	268	+	246	=	514	151	0	Yes
19:00 - 20:00	284	+	194	=	478	133	0	Yes
14:00 - 15:00	279	+	192	=	471	146	0	Yes
10:00 - 11:00	243	+	223	=	466	144	0	Yes

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 07/13/2022

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.

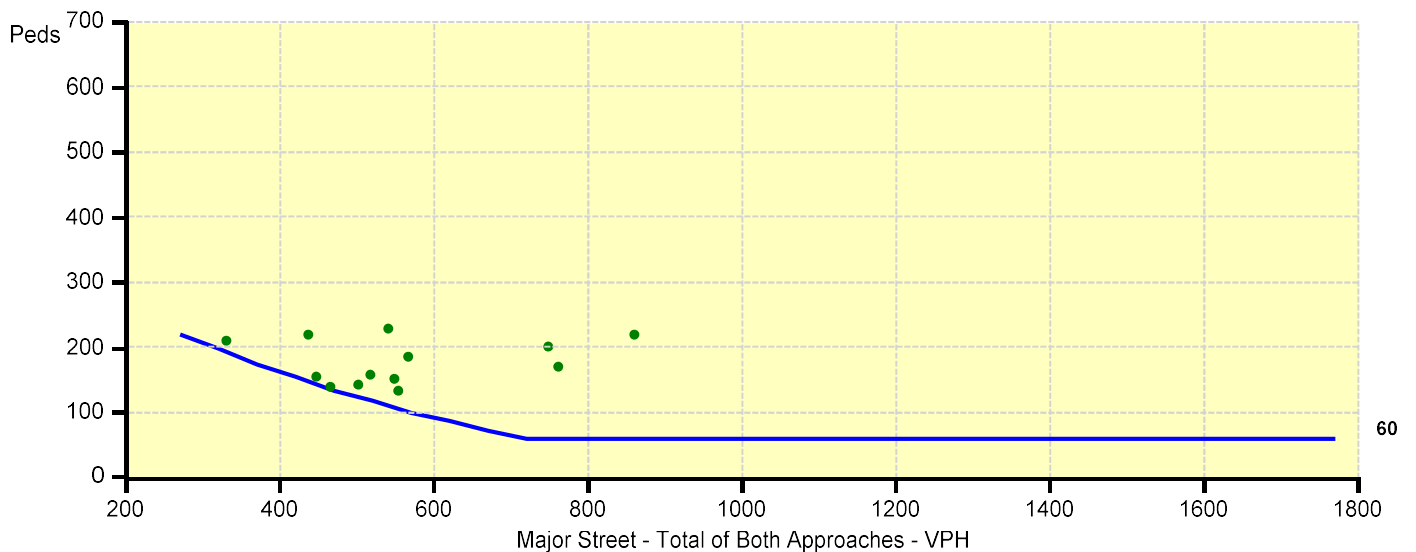
Summary

13 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Time	Major Road				Total	Minor Road		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
	CSAH 18 (Crosstown Blvd)					Nightingale St		
16:30 - 17:30	499	+	361	=	860	219	0	Yes
15:30 - 16:30	446	+	315	=	761	170	0	Yes
17:30 - 18:30	433	+	316	=	749	200	0	Yes
18:30 - 19:30	319	+	247	=	566	184	0	Yes
14:30 - 15:30	336	+	218	=	554	134	0	Yes
12:15 - 13:15	292	+	257	=	549	152	0	Yes
08:15 - 09:15	272	+	269	=	541	228	0	Yes
11:15 - 12:15	276	+	240	=	516	156	0	Yes
10:15 - 11:15	249	+	253	=	502	142	0	Yes
13:30 - 14:30	265	+	201	=	466	140	0	Yes
09:15 - 10:15	221	+	226	=	447	153	0	Yes
07:15 - 08:15	204		232		436	219	0	Yes



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name:

Study Date : 07/13/2022

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

17 one hour periods meet minimums.
Warrant IS met.

Site Data Required

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

Time	Major Road CSAH 18 (Crosstown Blvd)				Total	Minor Road Nightingale St		Met?
	Major NB	+	Major SB	=		Minor EB	Minor WB	
16:15 - 17:15	524	+	354	=	878	204	0	Yes
16:30 - 17:30	499	+	361	=	860	219	0	Yes
16:00 - 17:00	503	+	353	=	856	198	0	Yes
16:45 - 17:45	501	+	344	=	845	231	0	Yes
15:45 - 16:45	484	+	336	=	820	191	0	Yes
17:00 - 18:00	479	+	334	=	813	227	0	Yes
17:15 - 18:15	465	+	298	=	763	220	0	Yes
15:30 - 16:30	446	+	315	=	761	170	0	Yes
17:30 - 18:30	433	+	316	=	749	200	0	Yes
17:45 - 18:45	391	+	310	=	701	192	0	Yes
15:15 - 16:15	395	+	305	=	700	160	0	Yes
18:00 - 19:00	375		290		665	210	0	Yes

