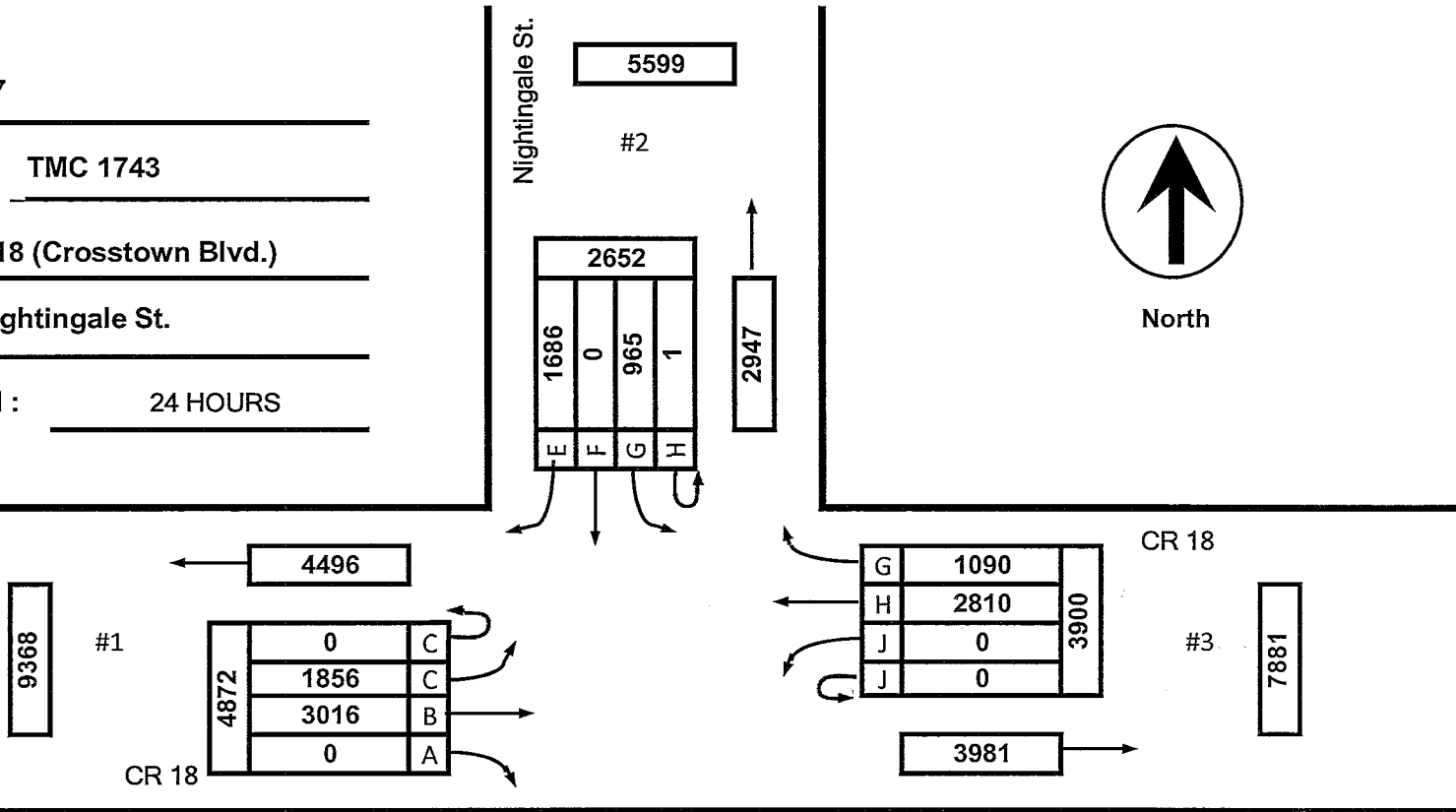


Date : 08/09/17

Count Number : TMC 1743

Location : CR 18 (Crosstown Blvd.)
@ Nightingale St.

Collection Period : 24 HOURS



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

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 08/09/17

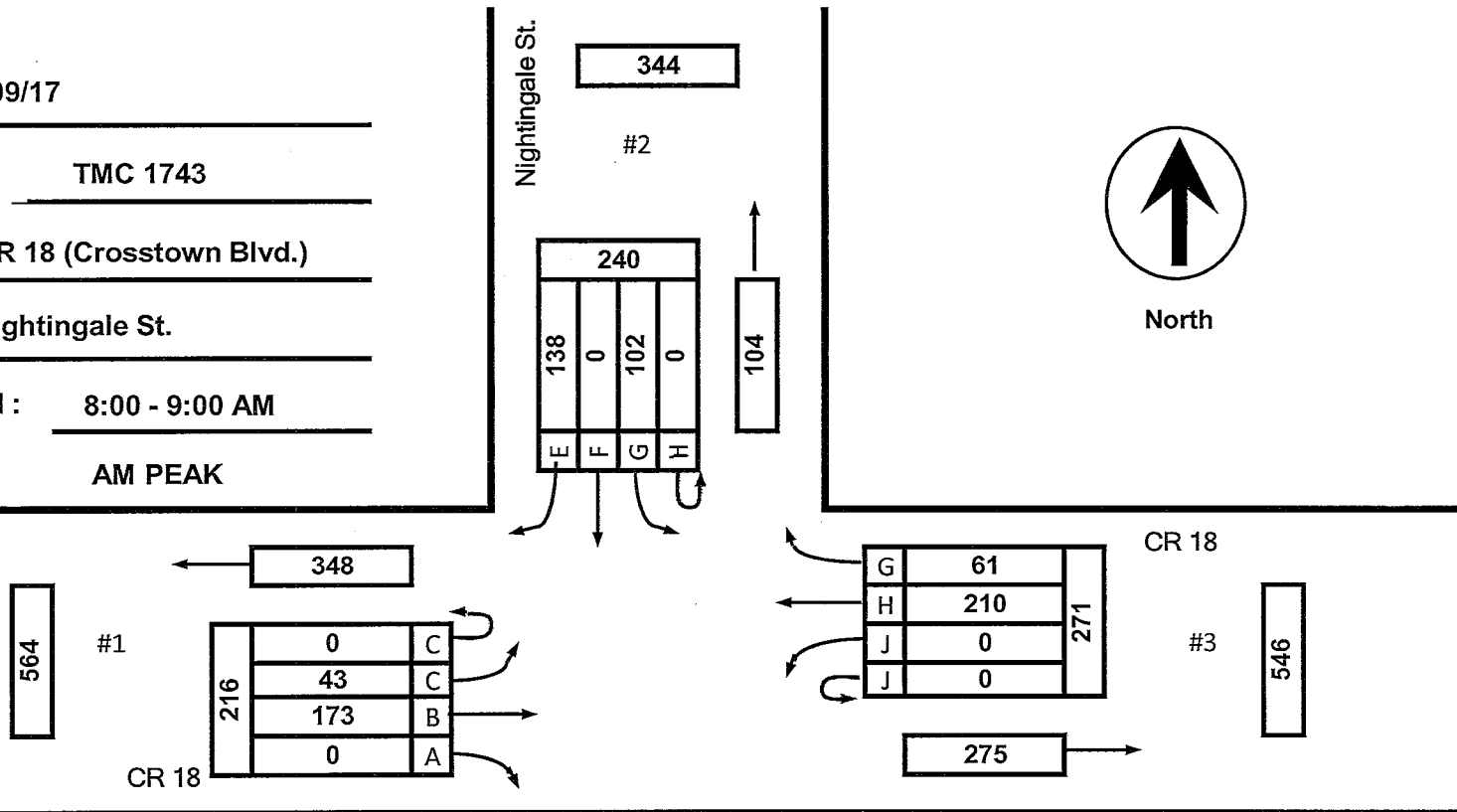
Count Number : TMC 1743

Location : CR 18 (Crosstown Blvd.)

@ Nightingale St.

Collection Period : 8:00 - 9:00 AM

AM PEAK



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

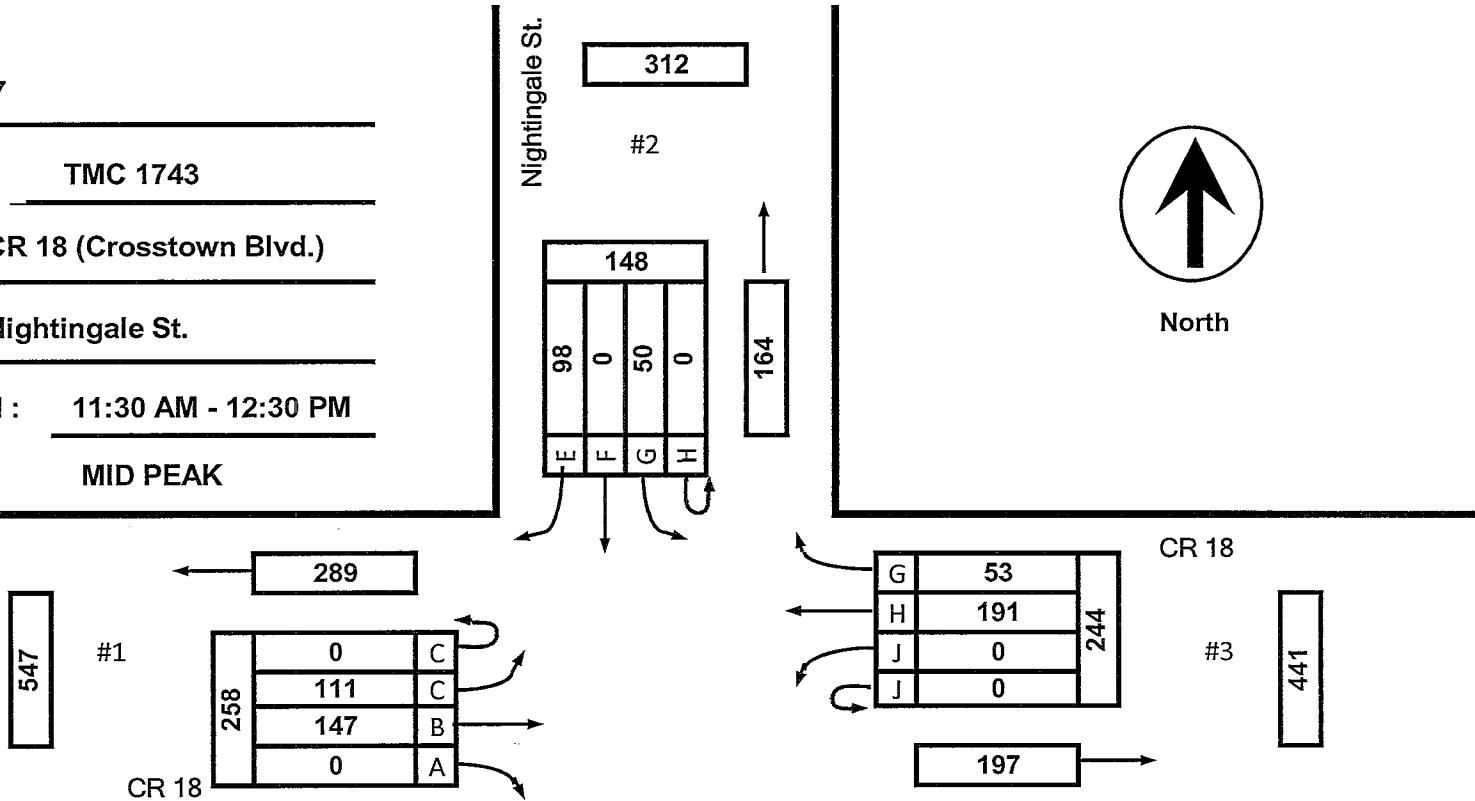
Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 08/09/17

Count Number : TMC 1743

Location : CR 18 (Crosstown Blvd.)
@ Nightingale St.

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



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

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 08/09/17

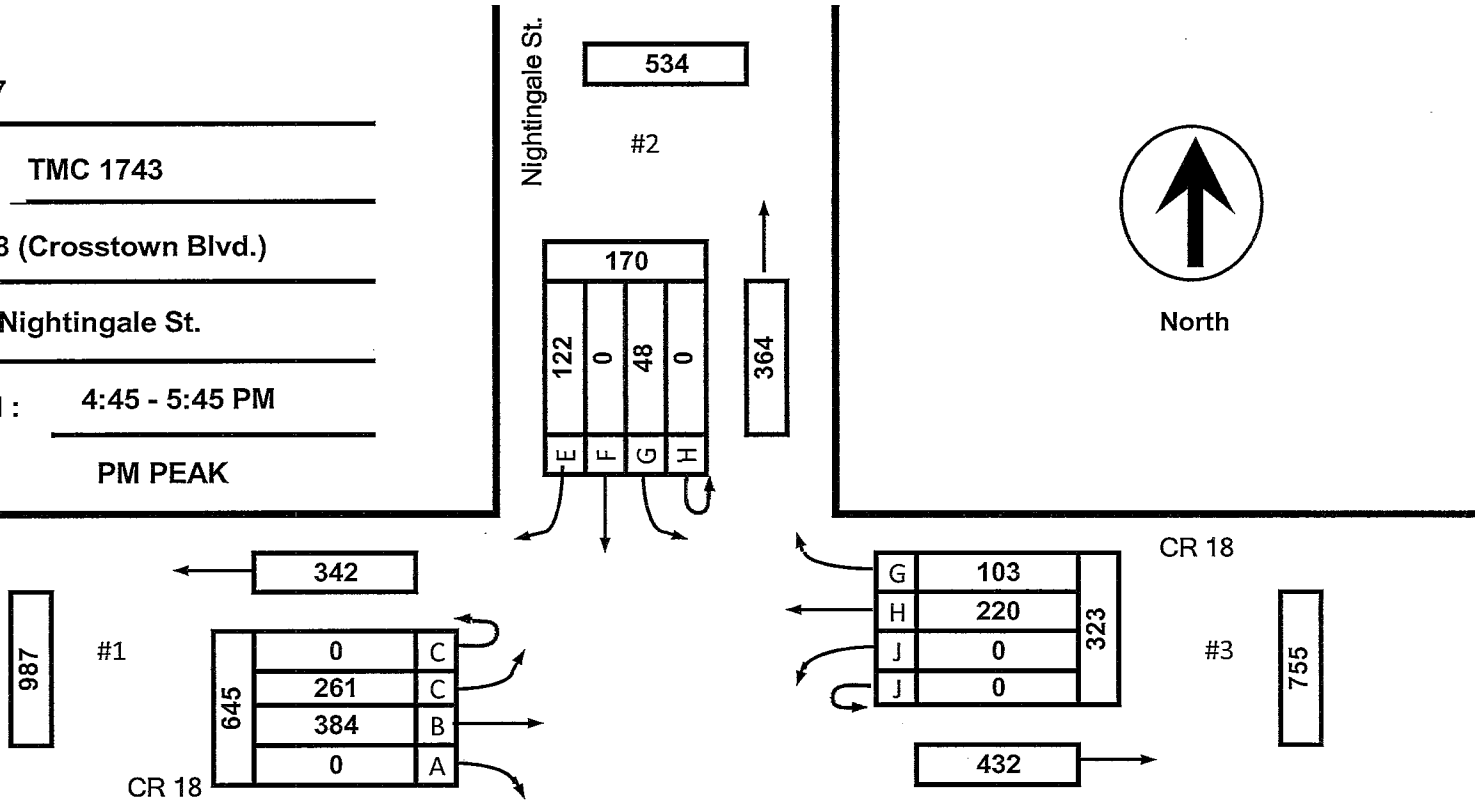
Count Number : TMC 1743

Location : CR 18 (Crosstown Blvd.)

@ Nightingale St.

Collection Period : 4:45 - 5:45 PM

PM PEAK



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

Anoka County Highway Department

Traffic Volume and Turning

Movement Study



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Weather: Warm and Rainy
 CountCam 200
 Study Conducted By: Logan

File Name : TMC 1743
 Site Code :
 Start Date : 09/26/2017
 Page No : 1

Groups Printed- Cars + - Trucks

Start Time	Nightingale St. Southbound						CR 18 Westbound						CR 18 Northbound						CR 18 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	1	0	3	0	4	0	0	2	0	0	2	0	0	0	0	0	0	0	8	7	0	0	15	0	21	21
00:15	0	2	0	0	0	2	0	0	2	2	0	4	0	0	0	0	0	0	0	8	1	0	0	9	0	15	15
00:30	0	2	0	3	0	5	0	0	2	1	0	3	0	0	0	0	0	0	0	2	3	0	0	5	0	13	13
00:45	0	0	0	0	0	0	0	0	1	2	0	3	0	0	0	0	0	0	0	2	1	0	0	3	0	6	6
Total	0	5	0	6	0	11	0	0	7	5	0	12	0	0	0	0	0	0	0	20	12	0	0	32	0	55	55
01:00	0	1	0	1	0	2	0	0	2	1	0	3	0	0	0	0	0	0	0	1	1	0	0	2	0	7	7
01:15	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	4	0	5	5
01:30	0	1	0	1	0	2	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
01:45	0	0	0	1	0	1	0	0	1	2	0	3	0	0	0	0	0	0	0	2	0	0	0	2	0	6	6
Total	0	2	0	4	0	6	0	0	4	3	0	7	0	0	0	0	0	0	0	6	2	0	0	8	0	21	21
02:00	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	2	2	0	0	4	0	6	6
02:15	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	2
02:30	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	3	0	0	4	0	5	5
02:45	0	1	0	2	0	3	0	0	1	0	0	1	0	0	0	0	0	0	0	1	2	0	0	3	0	7	7
Total	0	1	0	3	0	4	0	0	4	0	0	4	0	0	0	0	0	0	0	4	8	0	0	12	0	20	20
03:00	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	1	1	0	0	2	0	5	5
03:15	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:45	0	2	0	0	0	2	0	0	3	0	0	3	0	0	0	0	0	0	0	0	2	0	0	2	0	7	7
Total	0	2	0	1	0	3	0	0	6	1	0	7	0	0	0	0	0	0	0	1	3	0	0	4	0	14	14
04:00	0	1	0	3	0	4	0	0	3	0	0	3	0	0	0	0	0	0	0	1	0	0	0	1	0	8	8
04:15	0	1	0	1	0	2	0	0	3	2	0	5	0	0	0	0	0	0	0	0	2	0	0	2	0	9	9
04:30	0	3	0	9	1	12	0	0	11	0	0	11	0	0	0	0	0	0	0	0	4	0	0	4	1	27	28
04:45	0	5	0	8	0	13	0	0	4	0	0	4	0	0	0	0	0	0	0	0	9	0	0	9	0	26	26
Total	0	10	0	21	1	31	0	0	21	2	0	23	0	0	0	0	0	0	0	1	15	0	0	16	1	70	71
05:00	0	14	0	6	0	20	0	0	9	0	0	9	0	0	0	0	0	0	0	1	8	0	0	9	0	38	38
05:15	0	8	0	14	1	22	0	0	9	1	0	10	0	0	0	0	0	0	0	0	6	0	0	6	1	38	39
05:30	0	12	0	16	1	28	0	0	14	1	0	15	0	0	0	0	0	0	0	2	9	0	0	11	1	54	55
05:45	0	18	0	16	3	34	0	0	25	4	0	29	0	0	0	0	0	0	0	5	19	0	0	24	3	87	90
Total	0	52	0	52	5	104	0	0	57	6	0	63	0	0	0	0	0	0	0	8	42	0	0	50	5	217	222



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 1743
 Site Code :
 Start Date : 09/26/2017
 Page No : 2

Weather: Warm and Rainy
 CountCam 200
 Study Conducted By: Logan

Groups Printed- Cars + - Trucks

Start Time	Nightingale St. Southbound						CR 18 Westbound						CR 18 Northbound						CR 18 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	19	0	28	0	47	0	0	22	1	0	23	0	0	0	0	0	0	0	3	11	0	0	14	0	84	84
06:15	0	22	0	25	0	47	0	0	23	5	0	28	0	0	0	0	0	0	0	1	14	0	0	15	0	90	90
06:30	0	21	0	32	5	53	0	0	49	13	0	62	0	0	0	0	0	0	0	4	27	0	0	31	5	146	151
06:45	0	21	0	42	1	63	0	0	44	6	0	50	0	0	0	0	0	0	0	5	30	0	0	35	1	148	149
Total	0	83	0	127	6	210	0	0	138	25	0	163	0	0	0	0	0	0	0	13	82	0	0	95	6	468	474
07:00	0	15	0	38	1	53	0	0	48	6	0	54	0	0	0	0	0	0	0	8	28	0	0	36	1	143	144
07:15	0	24	0	45	2	69	0	0	35	9	0	44	0	0	0	0	0	0	0	6	38	0	0	44	2	157	159
07:30	0	22	0	45	1	67	0	0	45	4	0	49	0	0	0	0	0	0	0	6	27	0	0	33	1	149	150
07:45	0	25	0	37	1	62	0	0	48	12	0	60	0	0	0	0	0	0	0	8	32	0	0	40	1	162	163
Total	0	86	0	165	5	251	0	0	176	31	0	207	0	0	0	0	0	0	0	28	125	0	0	153	5	611	616
08:00	0	25	0	34	2	59	0	0	43	17	0	60	0	0	0	0	0	0	0	12	34	0	0	46	2	165	167
08:15	0	24	0	32	2	56	0	0	56	14	0	70	0	0	0	0	0	0	0	11	40	0	0	51	2	177	179
08:30	0	28	0	27	2	55	0	0	43	13	0	56	0	0	0	0	0	0	0	5	41	0	0	46	2	157	159
08:45	0	25	0	45	6	70	0	0	68	17	0	85	0	0	0	0	0	0	0	15	58	0	0	73	6	228	234
Total	0	102	0	138	12	240	0	0	210	61	0	271	0	0	0	0	0	0	0	43	173	0	0	216	12	727	739
09:00	0	16	0	19	0	35	0	0	30	10	0	40	0	0	0	0	0	0	0	11	41	0	0	52	0	127	127
09:15	0	13	0	27	1	40	0	0	48	14	0	62	0	0	0	0	0	0	0	8	40	0	0	48	1	150	151
09:30	0	15	0	19	4	34	0	0	44	10	0	54	0	0	0	0	0	0	0	13	24	0	0	37	4	125	129
09:45	0	23	0	40	4	63	0	0	46	7	0	53	0	0	0	0	0	0	0	20	51	0	0	71	4	187	191
Total	0	67	0	105	9	172	0	0	168	41	0	209	0	0	0	0	0	0	0	52	156	0	0	208	9	589	598
10:00	0	9	0	26	0	35	0	0	51	14	0	65	0	0	0	0	0	0	0	12	31	0	0	43	0	143	143
10:15	0	17	0	30	0	47	0	0	40	12	0	52	0	0	0	0	0	0	0	11	33	0	0	44	0	143	143
10:30	0	10	0	21	2	31	0	0	60	18	0	78	0	0	0	0	0	0	0	20	41	0	0	61	2	170	172
10:45	0	13	0	20	0	33	0	0	57	18	0	75	0	0	0	0	0	0	0	22	30	0	0	52	0	160	160
Total	0	49	0	97	2	146	0	0	208	62	0	270	0	0	0	0	0	0	0	65	135	0	0	200	2	616	618
11:00	0	14	0	19	5	33	0	0	43	23	0	66	0	0	0	0	0	0	0	19	37	0	0	56	5	155	160
11:15	0	8	0	22	5	30	0	0	34	13	0	47	0	0	0	0	0	0	0	23	36	0	0	59	5	136	141
11:30	0	16	0	30	1	46	0	0	53	14	0	67	0	0	0	0	0	0	0	32	42	0	0	74	1	187	188
11:45	0	11	0	23	1	34	0	0	48	19	0	67	0	0	0	0	0	0	0	24	32	0	0	56	1	157	158
Total	0	49	0	94	12	143	0	0	178	69	0	247	0	0	0	0	0	0	0	98	147	0	0	245	12	635	647
12:00	0	14	0	19	2	33	0	0	32	10	0	42	0	0	0	0	0	0	0	27	34	0	0	61	2	136	138
12:15	0	9	0	26	1	35	0	0	58	10	0	68	0	0	0	0	0	0	0	28	39	0	0	67	1	170	171
12:30	0	9	0	27	0	36	0	0	38	9	0	47	0	0	0	0	0	0	0	23	41	0	0	64	0	147	147



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Weather: Warm and Rainy
 CountCam 200
 Study Conducted By: Logan

File Name : TMC 1743
 Site Code :
 Start Date : 09/26/2017
 Page No : 3

Groups Printed- Cars + - Trucks

Start Time	Nightingale St. Southbound						CR 18 Westbound						CR 18 Northbound						CR 18 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			
12:45	0	13	0	21	1	34	0	0	38	12	0	50	0	0	0	0	0	0	0	18	41	0	0	59	1	143	144
Total	0	45	0	93	4	138	0	0	166	41	0	207	0	0	0	0	0	0	0	96	155	0	0	251	4	596	600
13:00	0	7	0	17	0	24	0	0	37	16	0	53	0	0	0	0	0	0	0	13	29	0	0	42	0	119	119
13:15	0	7	0	18	0	25	0	0	47	13	0	60	0	0	0	0	0	0	0	19	37	0	0	56	0	141	141
13:30	0	14	0	26	0	40	0	0	29	14	0	43	0	0	0	0	0	0	0	24	39	0	0	63	0	146	146
13:45	0	12	0	14	0	26	0	0	38	17	0	55	0	0	0	0	0	0	0	34	46	0	0	80	0	161	161
Total	0	40	0	75	0	115	0	0	151	60	0	211	0	0	0	0	0	0	0	90	151	0	0	241	0	567	567
14:00	0	10	0	19	0	29	0	0	35	11	0	46	0	0	0	0	0	0	0	18	44	0	0	62	0	137	137
14:15	0	11	0	21	0	32	0	0	31	19	0	50	0	0	0	0	0	0	0	27	42	0	0	69	0	151	151
14:30	0	10	0	28	0	38	0	0	48	15	0	63	0	0	0	0	0	0	0	34	42	0	0	76	0	177	177
14:45	0	17	0	26	0	43	0	0	29	14	0	43	0	0	0	0	0	0	0	35	41	0	0	76	0	162	162
Total	0	48	0	94	0	142	0	0	143	59	0	202	0	0	0	0	0	0	0	114	169	0	0	283	0	627	627
15:00	0	11	0	18	0	29	0	0	30	22	0	52	0	0	0	0	0	0	0	40	46	0	0	86	0	167	167
15:15	0	10	0	19	0	29	0	0	32	24	0	56	0	0	0	0	0	0	0	28	53	0	0	81	0	166	166
15:30	0	10	0	15	1	25	0	0	44	13	0	57	0	0	0	0	0	0	0	32	75	0	0	107	1	189	190
15:45	0	15	0	21	0	36	0	0	40	21	0	61	0	0	0	0	0	0	0	31	91	0	0	122	0	219	219
Total	0	46	0	73	1	119	0	0	146	80	0	226	0	0	0	0	0	0	0	131	265	0	0	396	1	741	742
16:00	0	13	0	23	0	36	0	0	56	22	0	78	0	0	0	0	0	0	0	49	85	0	0	134	0	248	248
16:15	0	15	0	26	0	41	0	0	60	24	0	84	0	0	0	0	0	0	0	59	77	0	0	136	0	261	261
16:30	0	10	0	20	0	30	0	0	58	29	0	87	0	0	0	0	0	0	0	66	69	0	0	135	0	252	252
16:45	0	12	0	33	1	45	0	0	56	31	0	87	0	0	0	0	0	0	0	64	117	0	0	181	1	313	314
Total	0	50	0	102	1	152	0	0	230	106	0	336	0	0	0	0	0	0	0	238	348	0	0	586	1	1074	1075
17:00	0	15	0	28	0	43	0	0	61	27	0	88	0	0	0	0	0	0	0	71	87	0	0	158	0	289	289
17:15	0	9	0	29	0	38	0	0	49	16	0	65	0	0	0	0	0	0	0	63	89	0	0	152	0	255	255
17:30	0	12	0	32	1	44	0	0	54	29	0	83	0	0	0	0	0	0	0	63	91	0	0	154	1	281	282
17:45	0	12	0	50	1	62	0	0	63	17	0	80	0	0	0	0	0	0	0	61	61	0	0	122	1	264	265
Total	0	48	0	139	2	187	0	0	227	89	0	316	0	0	0	0	0	0	0	258	328	0	0	586	2	1089	1091
18:00	0	22	0	32	1	54	0	0	46	24	0	70	0	0	0	0	0	0	0	62	52	0	0	114	1	238	239
18:15	0	24	0	27	0	51	0	0	51	23	0	74	0	0	0	0	0	0	0	56	69	0	0	125	0	250	250
18:30	0	9	0	21	0	30	0	0	53	23	0	76	0	0	0	0	0	0	0	36	77	0	0	113	0	219	219
18:45	0	10	0	33	0	43	0	0	42	24	0	66	0	0	0	0	0	0	0	38	54	0	0	92	0	201	201
Total	0	65	0	113	1	178	0	0	192	94	0	286	0	0	0	0	0	0	0	192	252	0	0	444	1	908	909



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 1743

Site Code :

Start Date : 09/26/2017

Page No : 4

Weather: Warm and Rainy
 CountCam 200
 Study Conducted By: Logan

Groups Printed- Cars + - Trucks

Start Time	Nightingale St. Southbound						CR 18 Westbound						CR 18 Northbound						CR 18 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			
19:00	0	18	0	22	0	40	0	0	31	17	0	48	0	0	0	0	0	0	0	51	62	0	0	113	0	201	201
19:15	0	11	0	17	0	28	0	0	40	25	0	65	0	0	0	0	0	0	0	30	28	0	0	58	0	151	151
19:30	0	14	0	17	0	31	0	0	28	22	0	50	0	0	0	0	0	0	0	25	47	0	0	72	0	153	153
19:45	0	7	0	20	0	27	0	0	39	30	0	69	0	0	0	0	0	0	0	28	40	0	1	68	1	164	165
Total	0	50	0	76	0	126	0	0	138	94	0	232	0	0	0	0	0	0	0	134	177	0	1	311	1	669	670
20:00	0	9	0	15	1	24	0	0	27	21	0	48	0	0	0	0	0	0	0	35	39	0	0	74	1	146	147
20:15	0	15	0	16	0	31	0	0	28	20	0	48	0	0	0	0	0	0	0	32	35	0	0	67	0	146	146
20:30	0	9	0	8	2	17	0	0	33	18	0	51	0	0	0	0	0	0	0	34	31	0	0	65	2	133	135
20:45	0	6	0	7	0	13	0	0	30	17	0	47	0	0	0	0	0	0	0	27	23	0	0	50	0	110	110
Total	0	39	0	46	3	85	0	0	118	76	0	194	0	0	0	0	0	0	0	128	128	0	0	256	3	535	538
21:00	0	4	0	8	0	12	0	0	19	10	0	29	0	0	0	0	0	0	0	20	30	0	0	50	0	91	91
21:15	0	2	0	13	0	15	0	0	17	8	0	25	0	0	0	0	0	0	0	28	17	0	0	45	0	85	85
21:30	0	6	0	3	0	9	0	0	23	16	0	39	0	0	0	0	0	0	0	23	11	0	0	34	0	82	82
21:45	0	3	0	7	1	10	0	0	15	10	0	25	0	0	0	0	0	0	0	9	19	0	0	28	1	63	64
Total	0	15	0	31	1	46	0	0	74	44	0	118	0	0	0	0	0	0	0	80	77	0	0	157	1	321	322
22:00	0	2	0	6	0	8	0	0	15	6	0	21	0	0	0	0	0	0	0	12	21	0	0	33	0	62	62
22:15	0	1	0	5	0	6	0	0	6	7	0	13	0	0	0	0	0	0	0	4	12	0	0	16	0	35	35
22:30	0	4	0	4	1	8	0	0	4	5	0	9	0	0	0	0	0	0	0	7	7	0	0	14	1	31	32
22:45	0	2	0	3	0	5	0	0	8	7	0	15	0	0	0	0	0	0	0	6	7	0	0	13	0	33	33
Total	0	9	0	18	1	27	0	0	33	25	0	58	0	0	0	0	0	0	0	29	47	0	0	76	1	161	162
23:00	0	1	0	6	0	7	0	0	6	5	0	11	0	0	0	0	0	0	0	6	6	0	0	12	0	30	30
23:15	1	1	0	3	0	5	0	0	3	5	0	8	0	0	0	0	0	0	0	10	5	0	0	15	0	28	28
23:30	0	0	0	2	0	2	0	0	3	4	0	7	0	0	0	0	0	0	0	3	6	0	0	9	0	18	18
23:45	0	0	0	2	0	2	0	0	3	2	0	5	0	0	0	0	0	0	0	8	2	0	0	10	0	17	17
Total	1	2	0	13	0	16	0	0	15	16	0	31	0	0	0	0	0	0	0	27	19	0	0	46	0	93	93
Grand Total	1	965	0	1686	66	2652	0	0	2810	1090	0	3900	0	0	0	0	0	0	0	1856	3016	0	1	4872	67	11424	11491
Apprch %	0	36.4	0	63.6			0	0	72.1	27.9			0	0	0	0			0	38.1	61.9	0					
Total %	0	8.4	0	14.8		23.2	0	0	24.6	9.5		34.1	0	0	0	0			0	16.2	26.4	0		42.6	0.6	99.4	
Cars +	1	945	0	1675		2687	0	0	2773	1074		3847	0	0	0	0			0	1839	2988	0		4828	0	0	11362
% Cars +	100	97.9	0	99.3	100	98.9	0	0	98.7	98.5	0	98.6	0	0	0	0	0	0	0	99.1	99.1	0	100	99.1	0	0	98.9
Trucks	0	20	0	11		31	0	0	37	16		53	0	0	0	0			0	17	28	0		45	0	0	129
% Trucks	0	2.1	0	0.7	0	1.1	0	0	1.3	1.5	0	1.4	0	0	0	0	0	0	0	0.9	0.9	0	0	0.9	0	0	1.1



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Weather: Warm and Rainy
 CountCam 200
 Study Conducted By: Logan

File Name : TMC 1743
 Site Code :
 Start Date : 09/26/2017
 Page No : 5

Start Time	Nightingale St. Southbound					CR 18 Westbound					Northbound					CR 18 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 08:00																					
08:00	0	25	0	34	59	0	0	43	17	60	0	0	0	0	0	0	12	34	0	46	165
08:15	0	24	0	32	56	0	0	56	14	70	0	0	0	0	0	0	11	40	0	51	177
08:30	0	28	0	27	55	0	0	43	13	56	0	0	0	0	0	0	5	41	0	46	157
08:45	0	25	0	45	70	0	0	68	17	85	0	0	0	0	0	0	15	58	0	73	228
Total Volume	0	102	0	138	240	0	0	210	61	271	0	0	0	0	0	0	43	173	0	216	727
% App. Total	0	42.5	0	57.5		0	0	77.5	22.5		0	0	0	0		0	19.9	80.1	0		
PHF	.000	.911	.000	.767	.857	.000	.000	.772	.897	.797	.000	.000	.000	.000	.000	.000	.717	.746	.000	.740	.797
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	16	0	30	46	0	0	53	14	67	0	0	0	0	0	0	32	42	0	74	187
11:45	0	11	0	23	34	0	0	48	19	67	0	0	0	0	0	0	24	32	0	56	157
12:00	0	14	0	19	33	0	0	32	10	42	0	0	0	0	0	0	27	34	0	61	136
12:15	0	9	0	26	35	0	0	58	10	68	0	0	0	0	0	0	28	39	0	67	170
Total Volume	0	50	0	98	148	0	0	191	53	244	0	0	0	0	0	0	111	147	0	258	650
% App. Total	0	33.8	0	66.2		0	0	78.3	21.7		0	0	0	0		0	43	57	0		
PHF	.000	.781	.000	.817	.804	.000	.000	.823	.697	.897	.000	.000	.000	.000	.000	.000	.867	.875	.000	.872	.869
Peak Hour Analysis From 14:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:45																					
16:45	0	12	0	33	45	0	0	56	31	87	0	0	0	0	0	0	64	117	0	181	313
17:00	0	15	0	28	43	0	0	61	27	88	0	0	0	0	0	0	71	87	0	158	289
17:15	0	9	0	29	38	0	0	49	16	65	0	0	0	0	0	0	63	89	0	152	255
17:30	0	12	0	32	44	0	0	54	29	83	0	0	0	0	0	0	63	91	0	154	281
Total Volume	0	48	0	122	170	0	0	220	103	323	0	0	0	0	0	0	261	384	0	645	1138
% App. Total	0	28.2	0	71.8		0	0	68.1	31.9		0	0	0	0		0	40.5	59.5	0		
PHF	.000	.800	.000	.924	.944	.000	.000	.902	.831	.918	.000	.000	.000	.000	.000	.000	.919	.821	.000	.891	.909



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Weather: Warm and Rainy
 CountCam 200
 Study Conducted By: Logan

File Name : TMC 1743
 Site Code :
 Start Date : 09/26/2017
 Page No : 2

Groups Printed- Trucks

Start Time	Nightingale St. Southbound					CR 18 Westbound					Northbound					CR 18 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	
09:15	0	1	0	0	1	0	0	2	1	3	0	0	0	0	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	1	0	1	3
09:45	0	1	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
Total	0	3	0	1	4	0	0	4	2	6	0	0	0	0	0	0	0	1	0	1	11
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1
10:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3
Total	0	2	0	0	2	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	4
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	2
11:30	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2
11:45	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	2	2	0	0	1	0	1	0	0	0	0	0	0	0	2	0	2	5
12:00	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
12:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2
12:30	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	1	4	0	5	7
12:45	0	1	0	0	1	0	0	1	1	2	0	0	0	0	0	0	1	0	0	1	4
Total	0	1	0	0	1	0	0	4	1	5	0	0	0	0	0	0	3	5	0	8	14
13:00	0	1	0	0	1	0	0	5	0	5	0	0	0	0	0	0	0	1	0	1	7
13:15	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	1	0	1	3
13:30	0	2	0	2	4	0	0	0	2	2	0	0	0	0	0	0	2	0	0	2	8
13:45	0	1	0	1	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2	4
Total	0	4	0	3	7	0	0	6	3	9	0	0	0	0	0	0	4	2	0	6	22
14:00	0	1	0	0	1	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	3
14:15	0	2	0	1	3	0	0	3	2	5	0	0	0	0	0	0	1	1	0	2	10
14:30	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
14:45	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	4	0	1	5	0	0	5	3	8	0	0	0	0	0	0	2	1	0	3	16
15:00	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15:15	0	1	0	0	1	0	0	1	1	2	0	0	0	0	0	0	0	1	0	1	4
15:30	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
15:45	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	3	0	3	4
Total	0	4	0	0	4	0	0	1	2	3	0	0	0	0	0	0	0	4	0	4	11
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
16:15	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	1	0	1	3
16:30	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
16:45	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	1	1	0	0	3	0	3	0	0	0	0	0	0	0	2	0	2	6
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
17:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
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	1	0	1	0	0	0	0	0	0	0	1	0	1	2
18:30	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
18:45	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	0	1	1	0	0	2	0	2	0	0	0	0	0	0	0	1	0	1	4



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Weather: Warm and Rainy
 CountCam 200
 Study Conducted By: Logan

File Name : TMC 1743
 Site Code :
 Start Date : 09/26/2017
 Page No : 3

Groups Printed- Trucks

Start Time	Nightingale St. Southbound					CR 18 Westbound					Northbound					CR 18 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		
19:00	0	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	0
19:30	0	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	0
Total	0	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	0
20:15	0	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	1	0	0	1	1	1
20:45	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	1	0	0	1	1	1
21:00	0	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	0
21:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:45	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
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
22:15	0	0	0	0	0	0	0	0	0	0	0	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	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	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1
23:00	0	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	0
23:30	0	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	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grand Total	0	20	0	11	31	0	0	37	16	53	0	0	0	0	0	0	17	28	0	45	129	129
Apprch %	0	64.5	0	35.5		0	0	69.8	30.2		0	0	0	0		0	37.8	62.2	0			
Total %	0	15.5	0	8.5	24	0	0	28.7	12.4	41.1	0	0	0	0	0	0	13.2	21.7	0	34.9		

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 1743

Study Date : 06/08/2018

Signal Warrants - Summary

Major Street Approaches

Eastbound: CR 18

Number of Lanes : 1

Total Approach Volume: 4,872

Westbound: CR 18

Number of Lanes : 1

Total Approach Volume: 3,900

Minor Street Approaches

Northbound: Nightingale St.

Number of Lanes : 1

Total Approach Volume: 0

Southbound: Nightingale St.

Number of Lanes : 1

Total Approach Volume: 2,652

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.....Not Satisfied

Required volumes reached for 5 hours, 8 are needed

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

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

Required 1B volumes reached for 13 hours, 8 are needed

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

Number of hours (12) volumes exceed minimum >= minimum required (4).

Warrant 3 - Peak Hour.....Satisfied

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

Number of one hour periods (26) 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 1743
Study Date : 06/08/2018

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 CR 18				Total	Minor Road Nightingale St.		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:30 - 17:30	626	+	327	=	953	0	156	Yes
17:30 - 18:30	515	+	307	=	822	0	211	Yes
15:30 - 16:30	499	+	280	=	779	0	138	Yes
18:30 - 19:30	376	+	255	=	631	0	141	Yes
14:30 - 15:30	319	+	214	=	533	0	139	Yes
11:30 - 12:30	258	+	244	=	502	0	148	Yes
19:30 - 20:30	281	+	215	=	496	0	113	Yes
10:30 - 11:30	228	+	266	=	494	0	127	Yes
13:30 - 14:30	274	+	194	=	468	0	127	Yes
08:30 - 09:30	219	+	243	=	462	0	200	Yes
12:30 - 13:30	221	+	210	=	431	0	119	Yes
09:30 - 10:30	195	+	224	=	419	0	179	Yes
07:30 - 08:30	170	+	239	=	409	0	244	Yes
06:30 - 07:30	146	+	210	=	356	0	238	Yes
20:30 - 21:30	210	+	152	=	362	0	57	No
20:45 - 21:45	179	+	140	=	319	0	49	No
06:15 - 07:15	117	+	194	=	311	0	216	No
21:00 - 22:00	157	+	118	=	275	0	46	No
06:00 - 07:00	95	+	163	=	258	0	210	No
21:15 - 22:15	140	+	110	=	250	0	42	No
05:45 - 06:45	84	+	142	=	226	0	181	No
21:30 - 22:30	111	+	98	=	209	0	33	No
21:45 - 22:45	91	+	68	=	159	0	32	No
05:30 - 06:30	64	+	95	=	159	0	156	No
22:00 - 23:00	76	+	58	=	134	0	27	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 1743

Study Date : 06/08/2018

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 5 one hour periods meet minimums.
Warrant is NOT 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 CR 18				Total	Minor Road Nightingale St.		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:30 - 17:30	626	+	327	=	953	0	156	Yes
17:30 - 18:30	515	+	307	=	822	0	211	Yes
15:30 - 16:30	499	+	280	=	779	0	138	Yes
18:30 - 19:30	376	+	255	=	631	0	141	Yes
14:30 - 15:30	319	+	214	=	533	0	139	Yes
14:15 - 15:15	307	+	208	=	515	0	142	No
11:30 - 12:30	258	+	244	=	502	0	148	No
13:45 - 14:45	287	+	214	=	501	0	125	No
19:30 - 20:30	281	+	215	=	496	0	113	No
10:45 - 11:45	241	+	255	=	496	0	142	No
10:30 - 11:30	228	+	266	=	494	0	127	No
11:00 - 12:00	245	+	247	=	492	0	143	No
19:45 - 20:45	274	+	216	=	490	0	99	No
08:00 - 09:00	216	+	271	=	487	0	240	No
14:00 - 15:00	283	+	202	=	485	0	142	No
10:15 - 11:15	213	+	271	=	484	0	144	No
11:15 - 12:15	250	+	223	=	473	0	143	No
08:15 - 09:15	222	+	251	=	473	0	216	No
11:45 - 12:45	248	+	224	=	472	0	138	No
10:00 - 11:00	200	+	270	=	470	0	146	No
13:30 - 14:30	274	+	194	=	468	0	127	No
09:45 - 10:45	219	+	248	=	467	0	176	No
13:15 - 14:15	261	+	204	=	465	0	120	No
08:30 - 09:30	219	+	243	=	462	0	200	No
12:00 - 13:00	251	+	207	=	458	0	138	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 1743

Study Date : 06/08/2018

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

14 hours meet 1A minimums.
13 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 CR 18

Minor Road Nightingale St.

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1A?
16:15 - 17:15	610	+	346	=	956	0	159	Yes
17:15 - 18:15	542	+	298	=	840	0	198	Yes
18:15 - 19:15	443	+	264	=	707	0	164	Yes
15:15 - 16:15	444	+	252	=	696	0	126	Yes
14:15 - 15:15	307	+	208	=	515	0	142	Yes
19:15 - 20:15	272	+	232	=	504	0	110	Yes
10:15 - 11:15	213	+	271	=	484	0	144	Yes
08:15 - 09:15	222	+	251	=	473	0	216	Yes
11:15 - 12:15	250	+	223	=	473	0	143	Yes
13:15 - 14:15	261	+	204	=	465	0	120	Yes
12:15 - 13:15	232	+	218	=	450	0	129	Yes
09:15 - 10:15	199		234		433	0	172	Yes

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
16:45 - 17:45	645	+	323	=	968	0	170	Yes
15:45 - 16:45	527	+	310	=	837	0	143	Yes
17:45 - 18:45	474	+	300	=	774	0	197	Yes
18:45 - 19:45	335	+	229	=	564	0	142	Yes
14:45 - 15:45	350	+	208	=	558	0	126	Yes
13:45 - 14:45	287	+	214	=	501	0	125	Yes
10:45 - 11:45	241	+	255	=	496	0	142	Yes
19:45 - 20:45	274	+	216	=	490	0	99	Yes
11:45 - 12:45	248	+	224	=	472	0	138	Yes
09:45 - 10:45	219	+	248	=	467	0	176	Yes
08:45 - 09:45	210	+	241	=	451	0	179	Yes
07:45 - 08:45	183		246		429	0	232	Yes

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 1743
 Study Date : 06/08/2018

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.

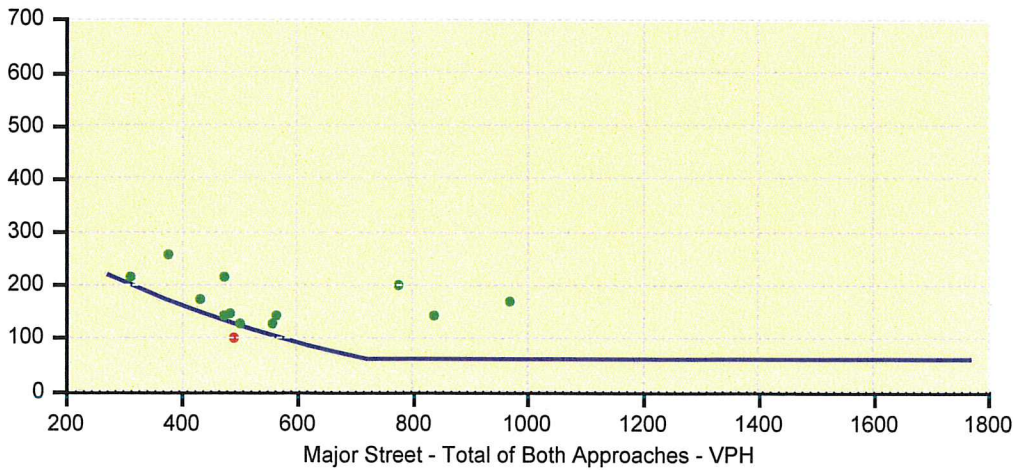
Summary

12 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 CR 18				Total	Minor Road Nightingale St.		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:45 - 17:45	645	+	323	=	968	0	170	Yes
15:45 - 16:45	527	+	310	=	837	0	143	Yes
17:45 - 18:45	474	+	300	=	774	0	197	Yes
18:45 - 19:45	335	+	229	=	564	0	142	Yes
14:45 - 15:45	350	+	208	=	558	0	126	Yes
13:45 - 14:45	287	+	214	=	501	0	125	Yes
10:15 - 11:15	213	+	271	=	484	0	144	Yes
11:15 - 12:15	250	+	223	=	473	0	143	Yes
08:15 - 09:15	222	+	251	=	473	0	216	Yes
09:15 - 10:15	199	+	234	=	433	0	172	Yes
07:15 - 08:15	163	+	213	=	376	0	257	Yes
							216	Yes



ANOKA COUNTY HIGHWAY PC-WARRANTS TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 1743
Study Date : 06/08/2018

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.

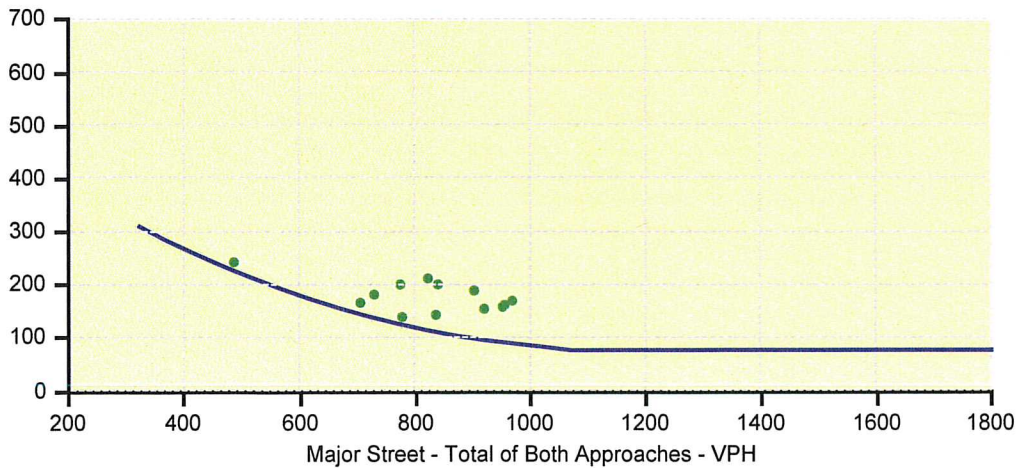
Summary

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 CR 18				Total	Minor Road Nightingale St.		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
16:45 - 17:45	645	+	323	=	968	0	170	Yes
16:15 - 17:15	610	+	346	=	956	0	159	Yes
16:30 - 17:30	626	+	327	=	953	0	156	Yes
16:00 - 17:00	586	+	336	=	922	0	152	Yes
17:00 - 18:00	586	+	316	=	902	0	187	Yes
17:15 - 18:15	542	+	298	=	840	0	198	Yes
15:45 - 16:45	527	+	310	=	837	0	143	Yes
17:30 - 18:30	515	+	307	=	822	0	211	Yes
15:30 - 16:30	499	+	280	=	779	0	138	Yes
17:45 - 18:45	474	+	300	=	774	0	197	Yes
18:00 - 19:00	444	+	286	=	730	0	178	Yes
							164	Yes



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 1743

Study Date : 06/08/2018

Multiway Stop Warrants - Summary

Major Street Approaches

Eastbound: CR 18

Number of Lanes : 1
Total Approach Volume: 4,872

Westbound: CR 18

Number of Lanes : 1
Total Approach Volume: 3,900

Minor Street Approaches

Northbound: Nightingale St.

Number of Lanes : 1
Total Approach Volume: 0

Southbound: Nightingale St.

Number of Lanes : 1
Total Approach Volume: 2,652

Warrant Summary (Urban Values Apply)

Criteria A - Interim Measure If traffic signals are justified, stop signs can be installed as an interim measure.	Not Evaluated
Criteria B - Crash Experience Number of crashes (-1) is less than minimum required (5).	Not Satisfied
Criteria C - Minimum Volumes and Delays Average Delay Per Vehicle (-01.0) meets or exceeds minimum required (30). Average of 8 highest hours meets or exceeds volume criteria.	Satisfied
Criteria D - 80% of Volumes, Delays, and Crashes Average Delay Per Vehicle (-01.0) meets or exceeds minimum required (30). Number of crashes (-1) is less than minimum required (4). Average of 8 highest hours meets or exceeds volume criteria.	Not Satisfied

Criteria C Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
07:15 - 08:15	376	404.4	257	241.3	300	200	Yes
06:45 - 07:45	345		252				
07:00 - 08:00	360		251				
07:30 - 08:30	409		244				
08:00 - 09:00	487		240				
06:30 - 07:30	356		238				
07:45 - 08:45	429		232				
08:15 - 09:15	473		216				
06:15 - 07:15	311		216				
17:30 - 18:30	822		211				
06:00 - 07:00	258		210				
08:30 - 09:30	462		200				

Criteria D Volume Summary

Time	Major Total	Major Avg	Minor Total	Minor Avg	Major Crit	Minor Crit	Meets?
16:45 - 17:45	968	900.0	170	172.0	240	160	Yes
16:15 - 17:15	956		159				
16:30 - 17:30	953		156				
17:00 - 18:00	902		187				
16:00 - 17:00	922		152				
17:15 - 18:15	840		198				
17:30 - 18:30	822		211				
15:45 - 16:45	837		143				
17:45 - 18:45	774		197				
15:30 - 16:30	779		138				
18:00 - 19:00	730		178				
18:15 - 19:15	707		164				