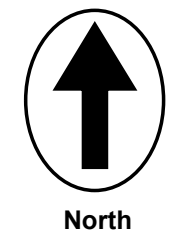
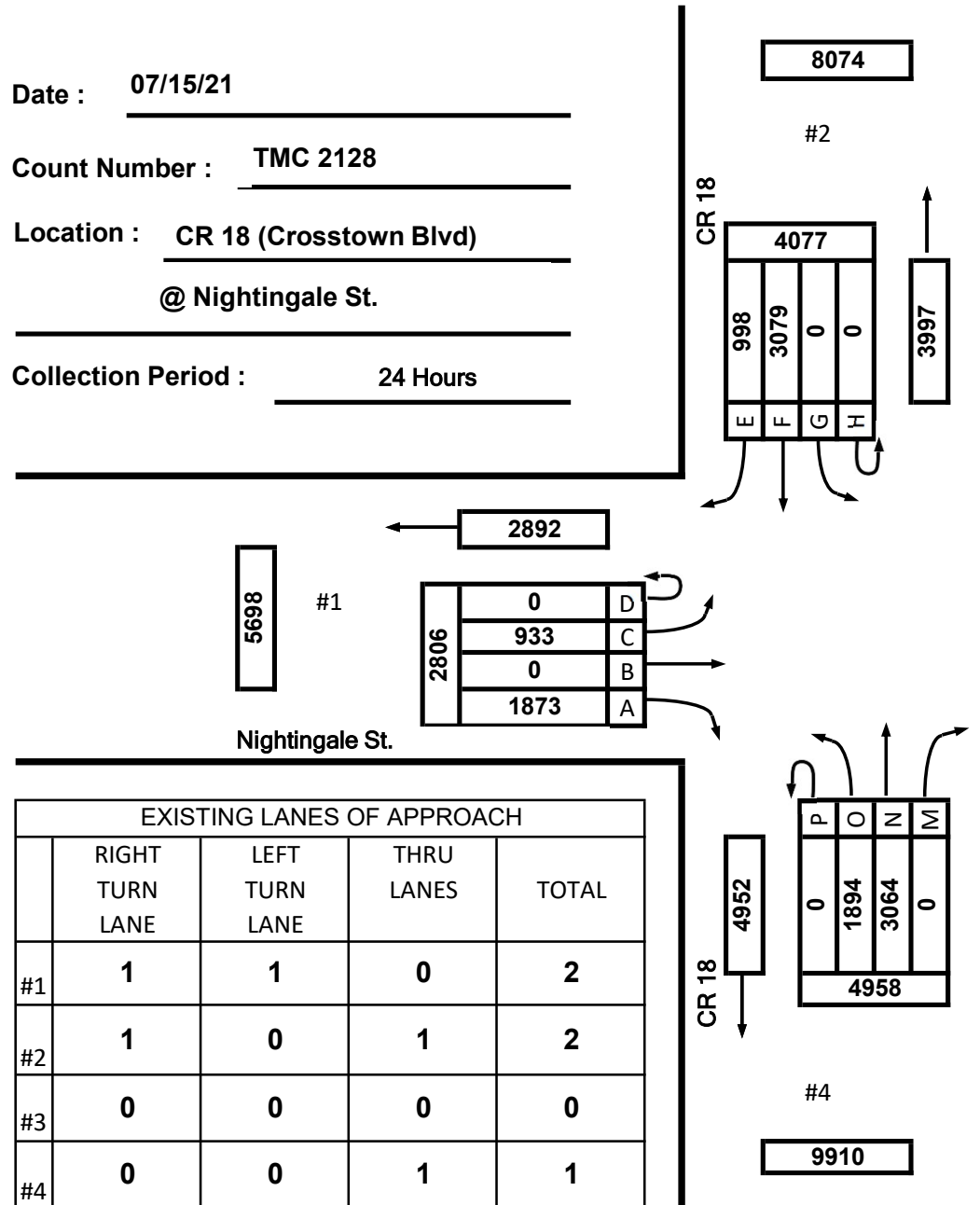


Date : 07/15/21

Count Number : TMC 2128

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

Anoka County Highway Department

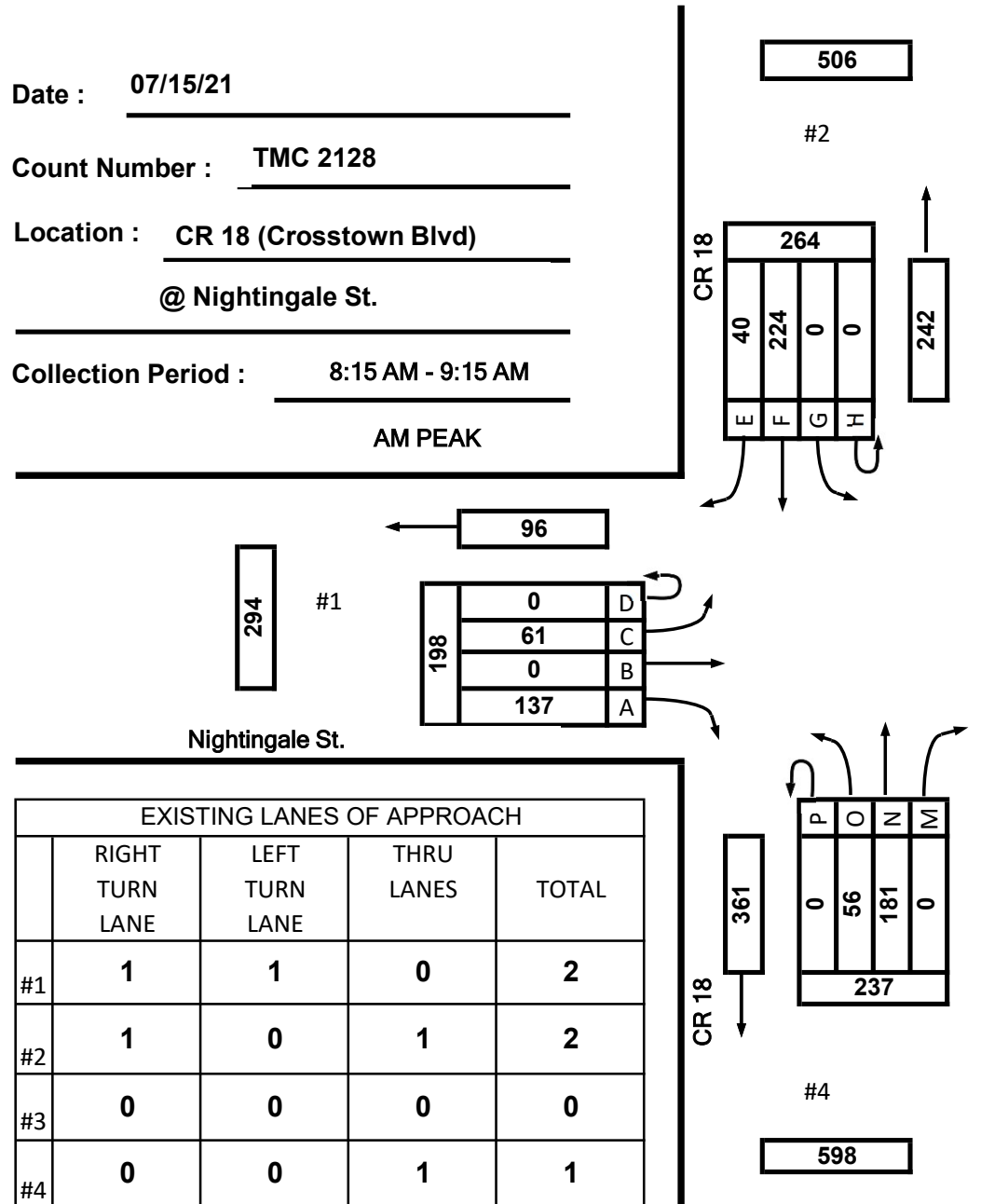
Traffic Volume and Turning Movement Study

Date : 07/15/21

Count Number : TMC 2128

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

Collection Period : 8:15 AM - 9:15 AM
AM PEAK



Anoka County Highway Department

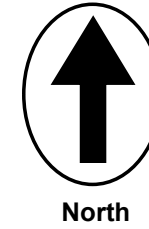
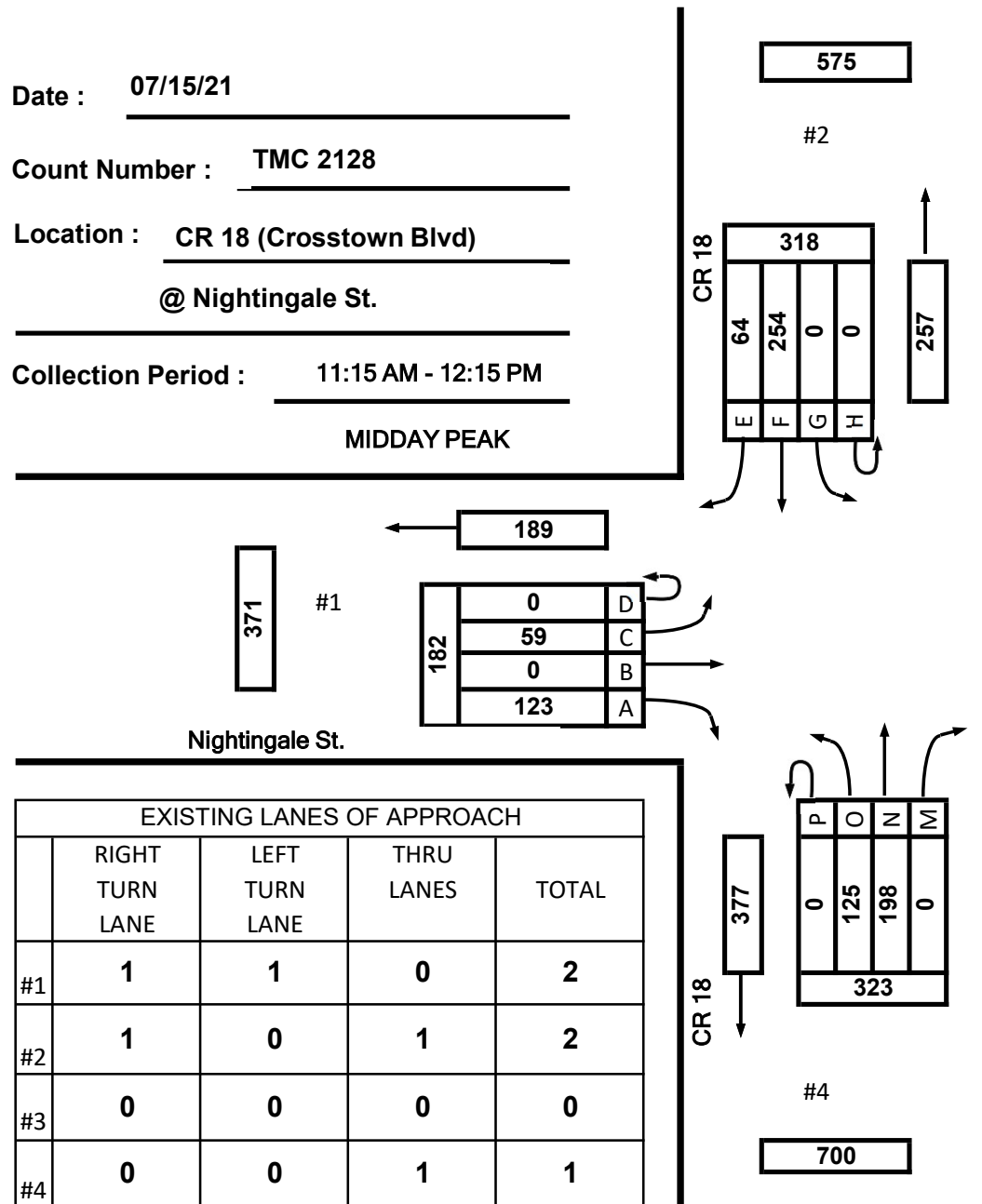
Traffic Volume and Turning Movement Study

Date : 07/15/21

Count Number : TMC 2128

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

Collection Period : 11:15 AM - 12:15 PM
MIDDAY PEAK



Anoka County Highway Department
Traffic Volume and Turning Movement Study

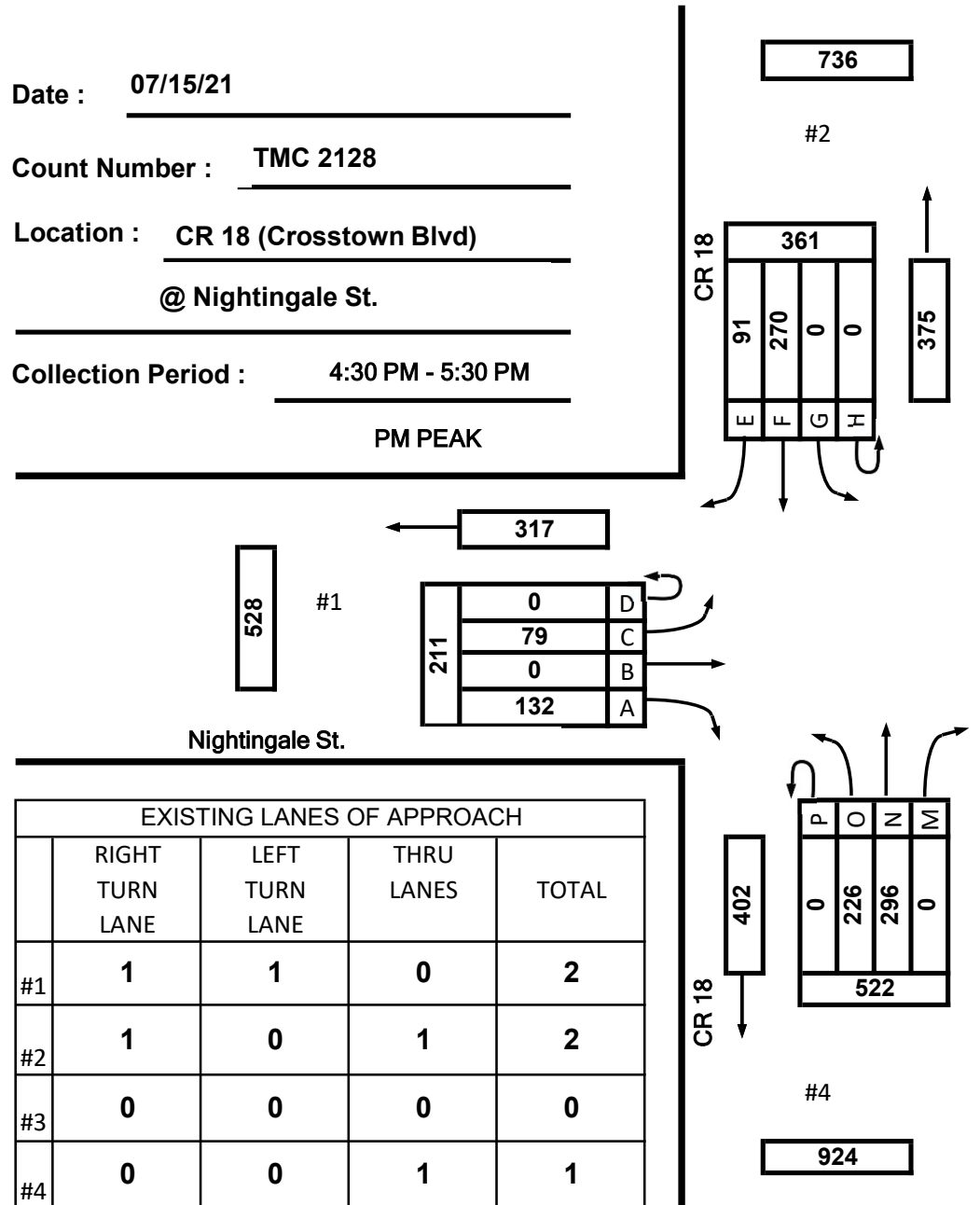
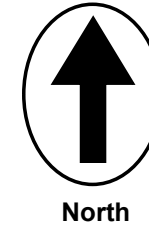
Date : 07/15/21

Count Number : TMC 2128

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

Collection Period : 4:30 PM - 5:30 PM

PM PEAK



Anoka County Highway Department

Traffic Volume and Turning Movement Study



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : tmc 2128
 Site Code :
 Start Date : 07/15/2021
 Page No : 1

Weather: Hot & PCloudy
 CountCAM 200
 Study Conducted By: Sam

Groups Printed- Cars + - Trucks

Start Time	CR 18 Southbound						Westbound						CR 18 Northbound						Nightingale St. 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	0	3	3	0	6	0	0	0	0	0	0	0	6	2	0	0	8	0	0	0	3	0	3	0	17	17
00:15	0	0	0	4	0	4	0	0	0	0	0	0	0	2	2	0	0	4	0	0	0	1	0	1	0	9	9
00:30	0	0	1	1	0	2	0	0	0	0	0	0	0	2	1	0	0	3	0	0	0	2	0	2	0	7	7
00:45	0	0	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Total	0	0	5	10	0	15	0	0	0	0	0	0	0	10	5	0	0	15	0	0	0	6	0	6	0	36	36
01:00	0	0	0	1	0	1	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	1	0	1	0	5	5
01:15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0	2	2
01:30	0	0	1	2	0	3	0	0	0	0	0	0	0	1	2	0	0	3	0	0	0	1	0	1	0	7	7
01:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	3	0	0	0	4	0	4	0	7	7
Total	0	0	1	3	0	4	0	0	0	0	0	0	0	5	5	0	0	10	0	1	0	6	0	7	0	21	21
02:00	0	0	3	0	0	3	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	4	4
02:15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	4	0	0	0	0	0	0	0	4	4
02:30	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	2
02:45	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	2
Total	0	0	5	0	0	5	0	0	0	0	0	0	0	1	5	0	0	6	0	0	0	1	0	1	0	12	12
03:00	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2	2
03:15	0	0	0	1	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	1	0	1	0	2	0	5	5
03:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	3	3
03:45	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	0	0	2	0	4	4
Total	0	0	1	2	0	3	0	0	0	0	0	0	0	1	3	0	0	4	0	3	0	4	0	7	0	14	14
04:00	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	4	0	6	6
04:15	0	0	4	0	0	4	0	0	0	0	0	0	0	2	3	0	0	5	0	1	0	2	0	3	0	12	12
04:30	0	0	11	0	0	11	0	0	0	0	0	0	0	0	2	0	0	2	0	4	4	4	0	8	0	21	21
04:45	0	0	7	1	0	8	0	0	0	0	0	0	0	1	5	0	0	6	0	3	0	4	0	7	0	21	21
Total	0	0	24	1	0	25	0	0	0	0	0	0	0	3	10	0	0	13	0	9	0	13	0	22	0	60	60
05:00	0	0	7	0	0	7	0	0	0	0	0	0	0	3	1	0	0	4	0	3	0	13	0	16	0	27	27
05:15	0	0	6	0	0	6	0	0	0	0	0	0	0	1	4	0	0	5	0	3	0	9	0	12	0	23	23
05:30	0	0	13	0	0	13	0	0	0	0	0	0	0	1	5	0	0	6	0	11	0	18	0	29	0	48	48
05:45	0	0	13	0	0	13	0	0	0	0	0	0	0	4	10	0	0	14	0	13	0	17	1	30	1	57	58
Total	0	0	39	0	0	39	0	0	0	0	0	0	0	9	20	0	0	29	0	30	0	57	1	87	1	155	156



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Weather: Hot & PCloudy
 CountCAM 200
 Study Conducted By: Sam

File Name : tmc 2128
 Site Code :
 Start Date : 07/15/2021
 Page No : 2

Groups Printed- Cars + - Trucks

Start Time	CR 18 Southbound						Westbound						CR 18 Northbound						Nightingale St. 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	0	18	3	0	21	0	0	0	0	0	0	0	1	12	0	0	13	0	7	0	14	0	21	0	55	55
06:15	0	0	25	0	0	25	0	0	0	0	0	0	0	5	11	0	0	16	0	13	0	26	0	39	0	80	80
06:30	0	0	43	3	0	46	0	0	0	0	0	0	0	4	32	0	0	36	0	14	0	38	1	52	1	134	135
06:45	0	0	50	4	0	54	0	0	0	0	0	0	0	9	40	0	0	49	0	18	0	48	0	66	0	169	169
Total	0	0	136	10	0	146	0	0	0	0	0	0	0	19	95	0	0	114	0	52	0	126	1	178	1	438	439
07:00	0	0	36	8	0	44	0	0	0	0	0	0	0	11	19	0	0	30	0	16	0	27	0	43	0	117	117
07:15	0	0	48	6	0	54	0	0	0	0	0	0	0	7	21	0	0	28	0	13	0	31	0	44	0	126	126
07:30	0	0	50	3	0	53	0	0	0	0	0	0	0	13	30	0	0	43	0	25	0	48	0	73	0	169	169
07:45	0	0	47	6	0	53	0	0	0	0	0	0	0	11	38	0	0	49	0	14	0	42	0	56	0	158	158
Total	0	0	181	23	0	204	0	0	0	0	0	0	0	42	108	0	0	150	0	68	0	148	0	216	0	570	570
08:00	0	0	39	9	0	48	0	0	0	0	0	0	0	16	30	0	0	46	0	18	0	22	0	40	0	134	134
08:15	0	0	59	9	0	68	0	0	0	0	0	0	0	16	39	0	0	55	0	17	0	39	0	56	0	179	179
08:30	0	0	52	8	0	60	0	0	0	0	0	0	0	13	43	0	0	56	0	21	0	31	1	52	1	168	169
08:45	0	0	71	14	0	85	0	0	0	0	0	0	0	14	60	0	0	74	0	15	0	42	0	57	0	216	216
Total	0	0	221	40	0	261	0	0	0	0	0	0	0	59	172	0	0	231	0	71	0	134	1	205	1	697	698
09:00	0	0	42	9	0	51	0	0	0	0	0	0	0	13	39	0	0	52	0	8	0	25	0	33	0	136	136
09:15	0	0	45	7	0	52	0	0	0	0	0	0	0	18	32	0	0	50	0	5	0	34	0	39	0	141	141
09:30	0	0	51	15	0	66	0	0	0	0	0	0	0	15	42	0	0	57	0	13	0	48	0	61	0	184	184
09:45	0	0	66	10	0	76	0	0	0	0	0	0	0	28	42	0	0	70	0	15	0	48	0	63	0	209	209
Total	0	0	204	41	0	245	0	0	0	0	0	0	0	74	155	0	0	229	0	41	0	155	0	196	0	670	670
10:00	0	0	42	11	0	53	0	0	0	0	0	0	0	22	55	0	0	77	0	13	0	22	1	35	1	165	166
10:15	0	0	39	15	0	54	0	0	0	0	0	0	0	24	42	0	0	66	0	14	0	28	0	42	0	162	162
10:30	0	0	52	12	0	64	0	0	0	0	0	0	0	19	49	0	0	68	0	11	0	26	2	37	2	169	171
10:45	0	0	35	10	0	45	0	0	0	0	0	0	0	13	49	0	0	62	0	8	0	32	2	40	2	147	149
Total	0	0	168	48	0	216	0	0	0	0	0	0	0	78	195	0	0	273	0	46	0	108	5	154	5	643	648
11:00	0	0	55	14	0	69	0	0	0	0	0	0	0	22	45	0	0	67	0	15	0	22	0	37	0	173	173
11:15	0	0	65	23	0	88	0	0	0	0	0	0	0	31	50	0	0	81	0	15	0	35	0	50	0	219	219
11:30	0	0	55	15	0	70	0	0	0	0	0	0	0	28	47	0	0	75	0	17	0	31	0	48	0	193	193
11:45	0	0	61	6	0	67	0	0	0	0	0	0	0	33	50	0	0	83	0	12	0	37	0	49	0	199	199
Total	0	0	236	58	0	294	0	0	0	0	0	0	0	114	192	0	0	306	0	59	0	125	0	184	0	784	784
12:00	0	0	73	20	0	93	0	0	0	0	0	0	0	33	51	0	0	84	0	15	0	20	0	35	0	212	212



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : tmc 2128
 Site Code :
 Start Date : 07/15/2021
 Page No : 3

Weather: Hot & PCloudy
 CountCAM 200
 Study Conducted By: Sam

Groups Printed- Cars + - Trucks

Start Time	CR 18 Southbound						Westbound						CR 18 Northbound						Nightingale St. 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	0	58	21	0	79	0	0	0	0	0	0	0	27	46	0	0	73	0	10	0	27	0	37	0	189	189
12:30	0	0	36	21	0	57	0	0	0	0	0	0	0	32	45	0	0	77	0	10	0	29	1	39	1	173	174
12:45	0	0	60	13	0	73	0	0	0	0	0	0	0	26	46	0	0	72	0	12	0	27	3	39	3	184	187
Total	0	0	227	75	0	302	0	0	0	0	0	0	0	118	188	0	0	306	0	47	0	103	4	150	4	758	762
13:00	0	0	37	10	0	47	0	0	0	0	0	0	0	25	48	0	0	73	0	17	0	30	0	47	0	167	167
13:15	0	0	47	18	0	65	0	0	0	0	0	0	0	41	41	0	0	82	0	16	0	32	1	48	1	195	196
13:30	0	0	50	16	0	66	0	0	0	0	0	0	0	31	49	0	0	80	0	9	0	29	1	38	1	184	185
13:45	0	0	40	9	0	49	0	0	0	0	0	0	0	23	46	0	0	69	0	14	0	31	1	45	1	163	164
Total	0	0	174	53	0	227	0	0	0	0	0	0	0	120	184	0	0	304	0	56	0	122	3	178	3	709	712
14:00	0	0	35	9	0	44	0	0	0	0	0	0	0	20	40	0	0	60	0	11	0	13	1	24	1	128	129
14:15	0	0	35	14	0	49	0	0	0	0	0	0	0	31	40	0	0	71	0	8	0	24	3	32	3	152	155
14:30	0	0	48	19	0	67	0	0	0	0	0	0	0	30	44	0	0	74	0	10	0	22	0	32	0	173	173
14:45	0	0	45	14	0	59	0	0	0	0	0	0	0	35	56	0	0	91	0	10	0	28	0	38	0	188	188
Total	0	0	163	56	0	219	0	0	0	0	0	0	0	116	180	0	0	296	0	39	0	87	4	126	4	641	645
15:00	0	0	45	16	0	61	0	0	0	0	0	0	0	47	60	0	0	107	0	11	0	29	1	40	1	208	209
15:15	0	0	41	26	0	67	0	0	0	0	0	0	0	46	57	0	0	103	0	15	0	24	0	39	0	209	209
15:30	0	0	55	17	0	72	0	0	0	0	0	0	0	42	56	0	0	98	0	20	0	29	4	49	4	219	223
15:45	0	0	54	14	0	68	0	0	0	0	0	0	0	38	74	0	0	112	0	16	0	27	1	43	1	223	224
Total	0	0	195	73	0	268	0	0	0	0	0	0	0	173	247	0	0	420	0	62	0	109	6	171	6	859	865
16:00	0	0	52	25	0	77	0	0	0	0	0	0	0	37	68	0	0	105	0	16	0	33	2	49	2	231	233
16:15	0	0	55	24	0	79	0	0	0	0	0	0	0	46	70	0	0	116	0	17	0	33	1	50	1	245	246
16:30	0	0	81	34	0	115	0	0	0	0	0	0	0	54	66	0	0	120	0	20	0	34	1	54	1	289	290
16:45	0	0	71	27	0	98	0	0	0	0	0	0	0	56	76	0	0	132	0	11	0	31	1	42	1	272	273
Total	0	0	259	110	0	369	0	0	0	0	0	0	0	193	280	0	0	473	0	64	0	131	5	195	5	1037	1042
17:00	0	0	67	14	0	81	0	0	0	0	0	0	0	57	75	0	0	132	0	22	0	37	2	59	2	272	274
17:15	0	0	51	16	0	67	0	0	0	0	0	0	0	59	79	0	0	138	0	26	0	30	3	56	3	261	264
17:30	0	0	64	26	0	90	0	0	0	0	0	0	0	45	46	0	0	91	0	18	0	30	2	48	2	229	231
17:45	0	0	66	13	0	79	0	0	0	0	0	0	0	42	57	0	0	99	0	10	0	33	0	43	0	221	221
Total	0	0	248	69	0	317	0	0	0	0	0	0	0	203	257	0	0	460	0	76	0	130	7	206	7	983	990
18:00	0	0	41	17	0	58	0	0	0	0	0	0	0	45	72	0	0	117	0	19	0	29	0	48	0	223	223
18:15	0	0	54	20	0	74	0	0	0	0	0	0	0	35	56	0	0	91	0	20	0	28	1	48	1	213	214



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : tmc 2128
 Site Code :
 Start Date : 07/15/2021
 Page No : 4

Weather: Hot & PCloudy
 CountCAM 200
 Study Conducted By: Sam

Groups Printed- Cars + - Trucks

Start Time	CR 18 Southbound						Westbound						CR 18 Northbound						Nightingale St. 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	0	43	21	0	64	0	0	0	0	0	0	0	37	51	0	0	88	0	13	0	21	1	34	1	186	187
18:45	0	0	44	15	0	59	0	0	0	0	0	0	0	32	40	0	0	72	0	21	0	27	0	48	0	179	179
Total	0	0	182	73	0	255	0	0	0	0	0	0	0	149	219	0	0	368	0	73	0	105	2	178	2	801	803
19:00	0	0	50	13	0	63	0	0	0	0	0	0	0	37	50	0	0	87	0	16	0	21	2	37	2	187	189
19:15	0	0	31	15	1	46	0	0	0	0	0	0	0	35	52	0	0	87	0	10	0	18	2	28	3	161	164
19:30	0	0	42	19	0	61	0	0	0	0	0	0	0	31	45	0	2	76	0	16	0	30	0	46	2	183	185
19:45	0	0	32	12	0	44	0	0	0	0	0	0	0	34	37	0	0	71	0	10	0	10	1	20	1	135	136
Total	0	0	155	59	1	214	0	0	0	0	0	0	0	137	184	0	2	321	0	52	0	79	5	131	8	666	674
20:00	0	0	29	22	1	51	0	0	0	0	0	0	0	49	38	0	0	87	0	12	0	16	1	28	2	166	168
20:15	0	0	35	15	0	50	0	0	0	0	0	0	0	32	36	0	0	68	0	6	0	14	0	20	0	138	138
20:30	0	0	25	20	0	45	0	0	0	0	0	0	0	36	56	0	0	92	0	4	0	13	0	17	0	154	154
20:45	0	0	26	17	0	43	0	0	0	0	0	0	0	16	36	0	0	52	0	11	0	16	3	27	3	122	125
Total	0	0	115	74	1	189	0	0	0	0	0	0	0	133	166	0	0	299	0	33	0	59	4	92	5	580	585
21:00	0	0	21	20	0	41	0	0	0	0	0	0	0	29	35	0	0	64	0	4	0	8	0	12	0	117	117
21:15	0	0	19	12	0	31	0	0	0	0	0	0	0	21	32	0	0	53	0	9	0	7	0	16	0	100	100
21:30	0	0	23	15	0	38	0	0	0	0	0	0	0	11	27	0	0	38	0	5	0	11	0	16	0	92	92
21:45	0	0	7	11	0	18	0	0	0	0	0	0	0	15	21	0	0	36	0	3	0	10	0	13	0	67	67
Total	0	0	70	58	0	128	0	0	0	0	0	0	0	76	115	0	0	191	0	21	0	36	0	57	0	376	376
22:00	0	0	10	10	0	20	0	0	0	0	0	0	0	14	15	0	0	29	0	0	0	6	0	6	0	55	55
22:15	0	0	8	20	0	28	0	0	0	0	0	0	0	15	17	0	0	32	0	12	0	4	0	16	0	76	76
22:30	0	0	22	12	0	34	0	0	0	0	0	0	0	7	12	0	0	19	0	4	0	5	0	9	0	62	62
22:45	0	0	13	4	0	17	0	0	0	0	0	0	0	10	11	0	0	21	0	2	0	7	0	9	0	47	47
Total	0	0	53	46	0	99	0	0	0	0	0	0	0	46	55	0	0	101	0	18	0	22	0	40	0	240	240
23:00	0	0	3	3	0	6	0	0	0	0	0	0	0	6	8	0	0	14	0	4	0	1	0	5	0	25	25
23:15	0	0	6	7	0	13	0	0	0	0	0	0	0	5	4	0	0	9	0	2	0	3	0	5	0	27	27
23:30	0	0	4	2	0	6	0	0	0	0	0	0	0	1	4	0	0	5	0	4	0	2	0	6	0	17	17
23:45	0	0	4	4	0	8	0	0	0	0	0	0	0	3	8	0	0	11	0	2	0	1	0	3	0	22	22
Total	0	0	17	16	0	33	0	0	0	0	0	0	0	15	24	0	0	39	0	12	0	7	0	19	0	91	91
Grand Total	0	0	3079	998	2	4077	0	0	0	0	0	0	0	1894	3064	0	2	4958	0	933	0	1873	48	2806	52	11841	11893
Apprch %	0	0	75.5	24.5			0	0	0	0			0	38.2	61.8	0			0	33.3	0	66.7					
Total %	0	0	26	8.4		34.4	0	0	0	0			0	16	25.9	0		41.9	0	7.9	0	15.8		23.7	0.4	99.6	
Cars +	0	0	2991	982		3975	0	0	0	0			0	1856	2989	0		4847	0	920	0	1838		2806	0	0	11628
% Cars +	0	0	97.1	98.4	100	97.5	0	0	0	0	0	0	0	98	97.6	0	100	97.7	0	98.6	0	98.1	100	98.3	0	0	97.8
Trucks	0	0	88	16		104	0	0	0	0			0	38	75	0		113	0	13	0	35		48	0	0	265
% Trucks	0	0	2.9	1.6	0	2.5	0	0	0	0	0	0	0	2	2.4	0	0	2.3	0	1.4	0	1.9	0	1.7	0	0	2.2

Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Start Time	CR 18 Southbound					Westbound					CR 18 Northbound					Nightingale St. 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 08:15																					
08:15	0	0	59	9	68	0	0	0	0	0	0	16	39	0	55	0	17	0	39	56	179
08:30	0	0	52	8	60	0	0	0	0	0	0	13	43	0	56	0	21	0	31	52	168
08:45	0	0	71	14	85	0	0	0	0	0	0	14	60	0	74	0	15	0	42	57	216
09:00	0	0	42	9	51	0	0	0	0	0	0	13	39	0	52	0	8	0	25	33	136
Total Volume	0	0	224	40	264	0	0	0	0	0	0	56	181	0	237	0	61	0	137	198	699
% App. Total	0	0	84.8	15.2		0	0	0	0	0	0	23.6	76.4	0		0	30.8	0	69.2		
PHF	.000	.000	.789	.714	.776	.000	.000	.000	.000	.000	.000	.875	.754	.000	.801	.000	.726	.000	.815	.868	.809

Peak Hour Analysis From 10:00 to 13:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 11:15																					
11:15	0	0	65	23	88	0	0	0	0	0	0	31	50	0	81	0	15	0	35	50	219
11:30	0	0	55	15	70	0	0	0	0	0	0	28	47	0	75	0	17	0	31	48	193
11:45	0	0	61	6	67	0	0	0	0	0	0	33	50	0	83	0	12	0	37	49	199
12:00	0	0	73	20	93	0	0	0	0	0	0	33	51	0	84	0	15	0	20	35	212
Total Volume	0	0	254	64	318	0	0	0	0	0	0	125	198	0	323	0	59	0	123	182	823
% App. Total	0	0	79.9	20.1		0	0	0	0	0	0	38.7	61.3	0		0	32.4	0	67.6		
PHF	.000	.000	.870	.696	.855	.000	.000	.000	.000	.000	.000	.947	.971	.000	.961	.000	.868	.000	.831	.910	.939

Peak Hour Analysis From 14:00 to 23:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:30																					
16:30	0	0	81	34	115	0	0	0	0	0	0	54	66	0	120	0	20	0	34	54	289
16:45	0	0	71	27	98	0	0	0	0	0	0	56	76	0	132	0	11	0	31	42	272
17:00	0	0	67	14	81	0	0	0	0	0	0	57	75	0	132	0	22	0	37	59	272
17:15	0	0	51	16	67	0	0	0	0	0	0	59	79	0	138	0	26	0	30	56	261
Total Volume	0	0	270	91	361	0	0	0	0	0	0	226	296	0	522	0	79	0	132	211	1094
% App. Total	0	0	74.8	25.2		0	0	0	0	0	0	43.3	56.7	0		0	37.4	0	62.6		
PHF	.000	.000	.833	.669	.785	.000	.000	.000	.000	.000	.000	.958	.937	.000	.946	.000	.760	.000	.892	.894	.946



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : tmc 2128
 Site Code :
 Start Date : 07/15/2021
 Page No : 1

Weather: Hot & PCloudy
 CountCAM 200
 Study Conducted By: Sam

Groups Printed- Trucks

Start Time	CR 18 Southbound					Westbound					CR 18 Northbound					Nightingale St. 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	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
00:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
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	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	1	1	2
01:00	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
01:30	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	1	1	1
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
02:00	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
02:30	0	0	0	0	0	0	0	0	0	0	0	1	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
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	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	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
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	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
04:45	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1
Total	0	0	0	0	0	0	0	0	0	0	0	1	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
05:15	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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
05:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2
06:00	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	2	3	3
06:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30	0	0	2	0	2	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	3
06:45	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	0	0	4	0	4	0	0	0	0	0	0	2	0	2	0	1	0	1	2	3	8
07:00	0	0	0	1	1	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	3
07:15	0	0	3	0	3	0	0	0	0	0	0	1	0	1	0	1	0	2	3	7	7
07:30	0	0	4	0	4	0	0	0	0	0	1	3	0	4	0	0	0	2	2	10	10
07:45	0	0	1	1	2	0	0	0	0	0	1	2	0	3	0	0	0	3	3	8	8
Total	0	0	8	2	10	0	0	0	0	0	3	7	0	10	0	1	0	7	8	28	28
08:00	0	0	1	0	1	0	0	0	0	0	2	2	0	4	0	0	0	0	0	0	5
08:15	0	0	3	2	5	0	0	0	0	0	1	1	0	2	0	0	0	4	4	11	11
08:30	0	0	2	0	2	0	0	0	0	0	2	0	0	2	0	1	0	0	1	5	5
08:45	0	0	2	1	3	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	5
Total	0	0	8	3	11	0	0	0	0	0	5	5	0	10	0	1	0	4	5	26	26



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : tmc 2128
 Site Code :
 Start Date : 07/15/2021
 Page No : 2

Weather: Hot & PCloudy
 CountCAM 200
 Study Conducted By: Sam

Groups Printed- Trucks

Start Time	CR 18 Southbound					Westbound					CR 18 Northbound					Nightingale St. 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		
09:00	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
09:15	0	0	2	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	3
09:30	0	0	3	0	3	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	4
09:45	0	0	1	0	1	0	0	0	0	0	0	1	4	0	5	0	1	0	0	0	1	7
Total	0	0	6	1	7	0	0	0	0	0	0	2	6	0	8	0	1	0	0	1	16	
10:00	0	0	2	0	2	0	0	0	0	0	0	1	2	0	3	0	0	0	0	0	0	5
10:15	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
10:30	0	0	2	0	2	0	0	0	0	0	0	1	4	0	5	0	0	0	0	0	0	7
10:45	0	0	2	0	2	0	0	0	0	0	0	0	2	0	2	0	0	0	1	1	1	5
Total	0	0	8	0	8	0	0	0	0	0	0	2	8	0	10	0	0	0	1	1	19	
11:00	0	0	4	0	4	0	0	0	0	0	0	2	2	0	4	0	1	0	0	1	1	9
11:15	0	0	1	2	3	0	0	0	0	0	0	1	2	0	3	0	0	0	3	3	3	9
11:30	0	0	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2
11:45	0	0	2	0	2	0	0	0	0	0	0	1	0	0	1	0	1	0	1	2	2	5
Total	0	0	8	2	10	0	0	0	0	0	0	4	5	0	9	0	2	0	4	6	25	
12:00	0	0	5	0	5	0	0	0	0	0	0	0	4	0	4	0	0	0	2	2	2	11
12:15	0	0	4	0	4	0	0	0	0	0	0	2	4	0	6	0	0	0	2	2	2	12
12:30	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4	0	2	0	2	4	4	8
12:45	0	0	8	0	8	0	0	0	0	0	0	3	2	0	5	0	0	0	1	1	1	14
Total	0	0	17	0	17	0	0	0	0	0	0	6	13	0	19	0	2	0	7	9	45	
13:00	0	0	2	0	2	0	0	0	0	0	0	1	1	0	2	0	2	0	1	3	3	7
13:15	0	0	3	0	3	0	0	0	0	0	0	1	4	0	5	0	0	0	1	1	1	9
13:30	0	0	1	0	1	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	3
13:45	0	0	1	1	2	0	0	0	0	0	0	0	2	0	2	0	0	0	1	1	1	5
Total	0	0	7	1	8	0	0	0	0	0	0	2	9	0	11	0	2	0	3	5	24	
14:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
14:15	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
14:30	0	0	2	1	3	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	4
14:45	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Total	0	0	7	2	9	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	10	
15:00	0	0	4	1	5	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	6
15:15	0	0	2	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	1	4
15:30	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	1	3
15:45	0	0	1	1	2	0	0	0	0	0	0	0	1	0	1	0	0	0	1	1	1	4
Total	0	0	8	2	10	0	0	0	0	0	0	2	2	0	4	0	0	0	3	3	17	
16:00	0	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	2
16:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30	0	0	1	0	1	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0	5
16:45	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	0	0	3	0	3	0	0	0	0	0	0	1	4	0	5	0	0	0	0	0	8	
17:00	0	0	0	0	0	0	0	0	0	0	0	1	3	0	4	0	1	0	0	1	1	5
17:15	0	0	0	0	0	0	0	0	0	0	0	1	6	0	7	0	0	0	0	0	0	7
17:30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	1	2
17:45	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	3	10	0	13	0	2	0	0	2	15	
18:00	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2
18:15	0	0	0	1	1	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	2



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : tmc 2128
 Site Code :
 Start Date : 07/15/2021
 Page No : 3

Weather: Hot & PCloudy
 CountCAM 200
 Study Conducted By: Sam

Groups Printed- Trucks

Start Time	CR 18 Southbound					Westbound					CR 18 Northbound					Nightingale St. 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	2	0	0	2	0	0	0	0	0	0
18:45	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	1	2	3	0	0	0	0	0	0	2	1	0	3	0	0	0	1	1	1
19:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	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	1	1	0	0	0	0	0	0	1	1	0	2	0	0	0	0	0	0
19:45	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2
Total	0	0	1	1	2	0	0	0	0	0	0	2	1	0	3	0	1	0	0	1	6
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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
20:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
Total	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
21:00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
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	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
Total	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	1
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:15	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	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	0	0	0	0	0	0	0	0	0	0	1	0	0	1	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	0	0	88	16	104	0	0	0	0	0	0	38	75	0	113	0	13	0	35	48	265
Apprch %	0	0	84.6	15.4		0	0	0	0		0	33.6	66.4	0		0	27.1	0	72.9		
Total %	0	0	33.2	6	39.2	0	0	0	0	0	0	14.3	28.3	0	42.6	0	4.9	0	13.2	18.1	

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2128

Study Date : 06/01/2022

Signal Warrants - Summary

Major Street Approaches

Northbound: CR 18

Number of Lanes : 1

Total Approach Volume: 4,958

Southbound: CR 18

Number of Lanes : 1

Total Approach Volume: 4,078

Minor Street Approaches

Eastbound: Nightingale St.

Number of Lanes : 1

Total Approach Volume: 2,806

Warrant Summary (Rural Values Apply)

Warrant 1 - Eight Hour Vehicular Volumes	Satisfied
Warrant 1A - Minimum Vehicular Volume	Satisfied
Required volumes reached for 13 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 14 hours, 8 are needed	
Required 1B volumes reached for 13 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 (41) 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 2128

Study Date : 06/01/2022

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

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**

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	
	CR 18					Nightingale St.		
16:45 - 17:45	493	+	336	=	829	205	0	Yes
15:45 - 16:45	453	+	339	=	792	196	0	Yes
17:45 - 18:45	395	+	275	=	670	173	0	Yes
14:45 - 15:45	399	+	259	=	658	166	0	Yes
11:45 - 12:45	317	+	296	=	613	160	0	Yes
12:45 - 13:45	307	+	251	=	558	172	0	Yes
10:45 - 11:45	285	+	272	=	557	175	0	Yes
18:45 - 19:45	322	+	229	=	551	159	0	Yes
09:45 - 10:45	281	+	247	=	528	177	0	Yes
08:45 - 09:45	233	+	254	=	487	190	0	Yes
13:45 - 14:45	274	+	209	=	483	133	0	Yes
07:45 - 08:45	206	+	229	=	435	204	0	Yes
06:45 - 07:45	150	+	205	=	355	226	0	Yes
19:45 - 20:45	318	+	190	=	508	85	0	No
20:00 - 21:00	299	+	189	=	488	92	0	No
20:15 - 21:15	276	+	179	=	455	76	0	No
20:30 - 21:30	261	+	160	=	421	72	0	No
20:45 - 21:45	207	+	153	=	360	71	0	No
06:30 - 07:30	143	+	198	=	341	205	0	No
21:00 - 22:00	191	+	128	=	319	57	0	No
06:15 - 07:15	131	+	169	=	300	200	0	No
21:15 - 22:15	156	+	107	=	263	51	0	No
06:00 - 07:00	114	+	146	=	260	178	0	No
21:30 - 22:30	135	+	104	=	239	51	0	No
21:45 - 22:45	116		100		216	44	0	No

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2128

Study Date : 06/01/2022

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

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 NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1A?
16:15 - 17:15	500	+	373	=	873	205	0	Yes
17:15 - 18:15	445	+	294	=	739	195	0	Yes
15:15 - 16:15	418	+	284	=	702	180	0	Yes
11:15 - 12:15	323	+	318	=	641	182	0	Yes
18:15 - 19:15	338	+	260	=	598	167	0	Yes
14:15 - 15:15	343	+	236	=	579	142	0	Yes
12:15 - 13:15	295	+	256	=	551	162	0	Yes
19:15 - 20:15	321	+	202	=	523	122	0	Yes
13:15 - 14:15	291	+	224	=	515	155	0	Yes
09:15 - 10:15	254	+	247	=	501	198	0	Yes
08:15 - 09:15	237	+	264	=	501	198	0	Yes
10:15 - 11:15	263	+	232	=	495	156	0	Yes

Time	Major NB	+	Major SB	=	Total	Minor EB	Minor WB	Met1B?
16:45 - 17:45	493	+	336	=	829	205	0	Yes
15:45 - 16:45	453	+	339	=	792	196	0	Yes
17:45 - 18:45	395	+	275	=	670	173	0	Yes
14:45 - 15:45	399	+	259	=	658	166	0	Yes
11:45 - 12:45	317	+	296	=	613	160	0	Yes
12:45 - 13:45	307	+	251	=	558	172	0	Yes
10:45 - 11:45	285	+	272	=	557	175	0	Yes
18:45 - 19:45	322	+	229	=	551	159	0	Yes
09:45 - 10:45	281	+	247	=	528	177	0	Yes
19:45 - 20:45	318	+	190	=	508	85	0	Yes
08:45 - 09:45	233	+	254	=	487	190	0	Yes
13:45 - 14:45	274	+	209	=	483	133	0	Yes

ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2128

Study Date : 06/01/2022

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.

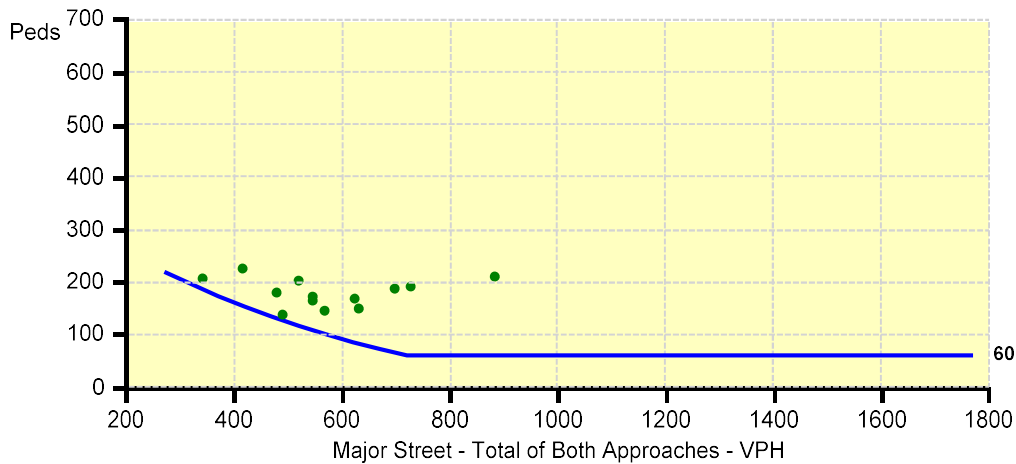
Summary

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 CR 18				=	Total	Minor Road Nightingale St.		Met?
	Major NB	+	Major SB				Minor EB	Minor WB	
16:30 - 17:30	522	+	361	=	883	211	0	Yes	
15:30 - 16:30	431	+	296	=	727	191	0	Yes	
17:30 - 18:30	398	+	301	=	699	187	0	Yes	
14:30 - 15:30	375	+	254	=	629	149	0	Yes	
11:30 - 12:30	315	+	309	=	624	169	0	Yes	
18:30 - 19:30	334	+	232	=	566	147	0	Yes	
12:30 - 13:30	304	+	242	=	546	173	0	Yes	
10:30 - 11:30	278	+	266	=	544	164	0	Yes	
09:30 - 10:30	270	+	249	=	519	201	0	Yes	
13:30 - 14:30	280	+	208	=	488	139	0	Yes	
08:30 - 09:30	232	+	248	=	480	181	0	Yes	



ANOKA COUNTY HIGHWAY

PC-WARRANTS

TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2128

Study Date : 06/01/2022

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

16 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 NB	+	Major SB				Minor EB	Minor WB	
16:30 - 17:30	522	+	361	=	883	211	0	Yes	
16:15 - 17:15	500	+	373	=	873	205	0	Yes	
16:00 - 17:00	473	+	369	=	842	195	0	Yes	
16:45 - 17:45	493	+	336	=	829	205	0	Yes	
15:45 - 16:45	453	+	339	=	792	196	0	Yes	
17:00 - 18:00	460	+	317	=	777	206	0	Yes	
17:15 - 18:15	445	+	294	=	739	195	0	Yes	
15:30 - 16:30	431	+	296	=	727	191	0	Yes	
15:15 - 16:15	418	+	284	=	702	180	0	Yes	
17:30 - 18:30	398	+	301	=	699	187	0	Yes	
15:00 - 16:00	420	+	268	=	688	171	0	Yes	

