

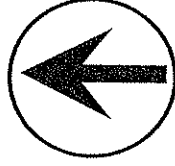
Date : 11/01/12

Count Number : TMC1244

Location : CSAH 18 (Crosstown Blvd.)

@ Nightingale St.

Collection Period : PEAK HOURS  
7-8:00 AM, 1:30-3:30 PM



North

1585

CSAH 18

#2

748			
163	D		
585	M		
0	L		

837

518

#1

1242

724			
493	A		
0	B		
231	C		

Nightingale St.

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

355	M		
606	L		
0	K		
961			

1078

CSAH 18

#4

2039

Anoka County Highway Department

Traffic Volume and Turning

Movement Study

Date: 11/01/12

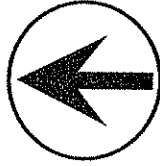
Count Number: TMC1244

Location: CSAH 18 (Crosstown Blvd.)

@ Nightingale St.

Collection Period: AM PEAK

Hour: 7 AM - 8 AM



North

638

#2

CSAH 18

348			
47	301	0	T
			E
			D

290

571

#1

109

462			
133	C		
0	B		
329	A		

Nightingale St.

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

62			
157	L		
0	K		
219			

630

CSAH 18

#4

849

Anoka County Highway Department

Traffic Volume and Turning

Movement Study

Date : 11/01/12

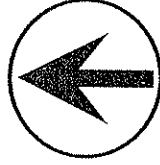
Count Number : TMC1244

Location : CSAH 18 (Crosstown Blvd.)

@ Nightingale St.

Collection Period : PM PEAK

Hour : 2:30 PM - 3:30 PM



North

576

#2

CSAH 18

74	D
152	E
0	F
226	T

350

427

#1

281

146	A
0	B
56	C

Nightingale St.

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

242

CSAH 18

207	M
294	L
0	K
501	T

#4

743

Anoka County Highway Department

Traffic Volume and Turning

Movement Study



**Anoka County Highway Department**  
**Traffic Engineering Section**  
**Traffic Volume and Turning Movement Study**

Weather: Sunny and Cool

Counter: DB-400

Counted by: Andrea and Sam

**Groups Printed - Unshifted**

Start Time	CSAH 18 Southbound			NONE Westbound			CSAH 18 Northbound			Nightingale St. Eastbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
07:00	0	79	8	0	0	0	8	25	0	33	34	0
07:15	0	143	10	0	0	0	25	49	0	74	28	0
07:30	0	45	2	0	0	0	21	50	0	71	32	0
07:45	0	34	19	0	0	0	8	33	0	41	39	0
Total	0	301	47	0	0	0	62	157	0	219	133	0
08:00	0	0	0	0	0	0	0	0	0	0	0	0
08:15	0	0	0	0	0	0	0	0	0	0	0	0
08:30	0	0	0	0	0	0	0	0	0	0	0	0
08:45	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
09:00	0	0	0	0	0	0	0	0	0	0	0	0
09:15	0	0	0	0	0	0	0	0	0	0	0	0
09:30	0	0	0	0	0	0	0	0	0	0	0	0
09:45	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
10:00	0	0	0	0	0	0	0	0	0	0	0	0
10:15	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
10:45	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
11:00	0	0	0	0	0	0	0	0	0	0	0	0
11:15	0	0	0	0	0	0	0	0	0	0	0	0
11:30	0	0	0	0	0	0	0	0	0	0	0	0
11:45	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
12:00	0	0	0	0	0	0	0	0	0	0	0	0
12:15	0	0	0	0	0	0	0	0	0	0	0	0
12:30	0	0	0	0	0	0	0	0	0	0	0	0
12:45	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
13:00	0	0	0	0	0	0	0	0	0	0	0	0
13:15	0	0	0	0	0	0	0	0	0	0	0	0
13:30	0	37	15	0	0	0	11	28	0	39	11	0
13:45	0	28	8	0	0	0	16	22	0	22	11	0
Total	0	65	23	0	0	0	27	50	0	77	15	0
14:00	0	34	9	0	0	0	26	34	0	60	12	0
14:15	0	33	10	0	0	0	33	71	0	104	15	0
14:30	0	37	19	0	0	0	89	102	0	191	14	0
14:45	0	27	11	0	0	0	39	61	0	100	15	0
Total	0	131	49	0	0	0	187	268	0	455	56	0
15:00	0	40	21	0	0	0	42	61	0	103	13	0
15:15	0	48	23	0	0	0	37	70	0	107	14	0
15:30	0	78.2	21.8	0	0	0	355	606	0	961	231	0
15:45	0	24	6.7	0	0	0	14.6	24.9	0	39.5	9.5	0
Total %	0	131	49	0	0	0	187	268	0	455	56	0
Apprch %	0	78.2	21.8	0	0	0	355	606	0	961	231	0
Grand Total	0	585	163	0	0	0	369	631	0	1000	151	0
2570	229	196	12	5.3	94.7	29.8	137	2433	2570	208	844	0



Anoka County Highway Department  
 Traffic Engineering Section  
 Traffic Volume and Turning Movement Study

Weather: Sunny and Cool

Counter: DB-400

Counted by: Andrea and Sam

File Name : TMC1244  
 Site Code : 12440202  
 Start Date : 11/01/2012  
 Page No : 2

Start Time	CSAH 18 Southbound			NONE Westbound			CSAH 18 Northbound			Nightingale St Eastbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
07:00	0	79	8	0	0	0	0	25	33	34	0	112
07:15	0	143	10	0	0	0	0	49	74	28	0	142
07:30	0	45	10	0	0	0	0	60	71	32	0	43
07:45	0	34	19	0	0	0	0	33	41	39	0	32
Total Volume	0	301	47	0	0	0	0	157	219	133	0	329
% App. Total	0	86.5	13.5	0	0	0	0	71.7	28.8	71.2	0	579
PHF	.000	.526	.618	.000	.000	.000	.000	.785	.740	.853	.000	.579

Peak Hour Analysis From 07:00 to 11:45 - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 07:00

Start Time	CSAH 18 Southbound			NONE Westbound			CSAH 18 Northbound			Nightingale St Eastbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
14:30	0	37	19	0	0	0	0	102	191	14	0	25
14:45	0	27	11	0	0	0	0	61	100	15	0	28
15:00	0	40	21	0	0	0	0	61	103	13	0	19
15:15	0	48	23	0	0	0	0	70	107	14	0	18
Total Volume	0	152	74	0	0	0	0	207	501	56	0	90
% App. Total	0	67.3	32.7	0	0	0	0	41.3	58.7	38.4	0	61.6
PHF	.000	.792	.804	.000	.000	.000	.000	.721	.656	.933	.000	.804

Peak Hour Analysis From 12:00 to 15:15 - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 14:30

Start Time	CSAH 18 Southbound			NONE Westbound			CSAH 18 Northbound			Nightingale St Eastbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
14:30	0	37	19	0	0	0	0	102	191	14	0	25
14:45	0	27	11	0	0	0	0	61	100	15	0	28
15:00	0	40	21	0	0	0	0	61	103	13	0	19
15:15	0	48	23	0	0	0	0	70	107	14	0	18
Total Volume	0	152	74	0	0	0	0	207	501	56	0	90
% App. Total	0	67.3	32.7	0	0	0	0	41.3	58.7	38.4	0	61.6
PHF	.000	.792	.804	.000	.000	.000	.000	.721	.656	.933	.000	.804

Peak Hour Analysis From 12:00 to 15:15 - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 14:30

Start Time	CSAH 18 Southbound			NONE Westbound			CSAH 18 Northbound			Nightingale St Eastbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
14:30	0	37	19	0	0	0	0	102	191	14	0	25
14:45	0	27	11	0	0	0	0	61	100	15	0	28
15:00	0	40	21	0	0	0	0	61	103	13	0	19
15:15	0	48	23	0	0	0	0	70	107	14	0	18
Total Volume	0	152	74	0	0	0	0	207	501	56	0	90
% App. Total	0	67.3	32.7	0	0	0	0	41.3	58.7	38.4	0	61.6
PHF	.000	.792	.804	.000	.000	.000	.000	.721	.656	.933	.000	.804

Peak Hour Analysis From 12:00 to 15:15 - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 14:30

Start Time	CSAH 18 Southbound			NONE Westbound			CSAH 18 Northbound			Nightingale St Eastbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
14:30	0	37	19	0	0	0	0	102	191	14	0	25
14:45	0	27	11	0	0	0	0	61	100	15	0	28
15:00	0	40	21	0	0	0	0	61	103	13	0	19
15:15	0	48	23	0	0	0	0	70	107	14	0	18
Total Volume	0	152	74	0	0	0	0	207	501	56	0	90
% App. Total	0	67.3	32.7	0	0	0	0	41.3	58.7	38.4	0	61.6
PHF	.000	.792	.804	.000	.000	.000	.000	.721	.656	.933	.000	.804

Peak Hour Analysis From 12:00 to 15:15 - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 14:30

Start Time	CSAH 18 Southbound			NONE Westbound			CSAH 18 Northbound			Nightingale St Eastbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
14:30	0	37	19	0	0	0	0	102	191	14	0	25
14:45	0	27	11	0	0	0	0	61	100	15	0	28
15:00	0	40	21	0	0	0	0	61	103	13	0	19
15:15	0	48	23	0	0	0	0	70	107	14	0	18
Total Volume	0	152	74	0	0	0	0	207	501	56	0	90
% App. Total	0	67.3	32.7	0	0	0	0	41.3	58.7	38.4	0	61.6
PHF	.000	.792	.804	.000	.000	.000	.000	.721	.656	.933	.000	.804

Peak Hour Analysis From 12:00 to 15:15 - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 14:30

Start Time	CSAH 18 Southbound			NONE Westbound			CSAH 18 Northbound			Nightingale St Eastbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
14:30	0	37	19	0	0	0	0	102	191	14	0	25
14:45	0	27	11	0	0	0	0	61	100	15	0	28
15:00	0	40	21	0	0	0	0	61	103	13	0	19
15:15	0	48	23	0	0	0	0	70	107	14	0	18
Total Volume	0	152	74	0	0	0	0	207	501	56	0	90
% App. Total	0	67.3	32.7	0	0	0	0	41.3	58.7	38.4	0	61.6
PHF	.000	.792	.804	.000	.000	.000	.000	.721	.656	.933	.000	.804

Peak Hour Analysis From 12:00 to 15:15 - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 14:30

Start Time	CSAH 18 Southbound			NONE Westbound			CSAH 18 Northbound			Nightingale St Eastbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
14:30	0	37	19	0	0	0	0	102	191	14	0	25
14:45	0	27	11	0	0	0	0	61	100	15	0	28
15:00	0	40	21	0	0	0	0	61	103	13	0	19
15:15	0	48	23	0	0	0	0	70	107	14	0	18
Total Volume	0	152	74	0	0	0	0	207	501	56	0	90
% App. Total	0	67.3	32.7	0	0	0	0	41.3	58.7	38.4	0	61.6
PHF	.000	.792	.804	.000	.000	.000	.000	.721	.656	.933	.000	.804

Peak Hour Analysis From 12:00 to 15:15 - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 14:30

Start Time	CSAH 18 Southbound			NONE Westbound			CSAH 18 Northbound			Nightingale St Eastbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
14:30	0	37	19	0	0	0	0	102	191	14	0	25
14:45	0	27	11	0	0	0	0	61	100	15	0	28
15:00	0	40	21	0	0	0	0	61	103	13	0	19
15:15	0	48	23	0	0	0	0	70	107	14	0	18
Total Volume	0	152	74	0	0	0	0	207	501	56	0	90
% App. Total	0	67.3	32.7	0	0	0	0	41.3	58.7	38.4	0	61.6
PHF	.000	.792	.804	.000	.000	.000	.000	.721	.656	.933	.000	.804

Peak Hour Analysis From 12:00 to 15:15 - Peak 1 of 1

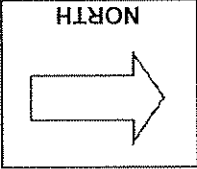
Peak Hour for Entire Intersection Begins at 14:30

Start Time	CSAH 18 Southbound			NONE Westbound			CSAH 18 Northbound			Nightingale St Eastbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
14:30	0	37	19	0	0	0	0	102	191	14	0	25
14:45	0	27	11	0	0	0	0	61	100	15	0	28
15:00	0	40	21	0	0	0	0	61	103	13	0	19
15:15	0	48	23	0	0	0	0	70	107	14	0	18
Total Volume	0	152	74	0	0	0	0	207	501	56	0	90
% App. Total	0	67.3	32.7	0	0	0	0	41.3	58.7	38.4	0	61.6
PHF	.000	.792	.804	.000	.000	.000	.000	.721	.656	.933	.000	.804

Peak Hour Analysis From 12:00 to 15:15 - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 14:30

Start Time	CSAH 18 Southbound			NONE Westbound			CSAH 18 Northbound			Nightingale St Eastbound		
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
14:30	0	37	19	0	0	0	0	102	191	14	0	25
14:45	0	27	11	0	0	0	0	61	100	15	0	28
15:00	0	40	21	0	0	0	0	61	103	13	0	19
15:15	0	48	23	0	0	0	0	70	107	14	0	18
Total Volume	0	152	74	0	0	0	0	207	501	56	0	90
% App. Total	0	67.3	32.7	0	0	0	0	41.3	58.7	38.4	0	6



APP. #1 = CSAH 18  
 APP. #2 = NONE  
 APP. #3 = CSAH 18  
 APP. #4 = Nightingale St.

COUNT LOCATION:

CSAH 18 (Crosstown Blvd.)

DATE:

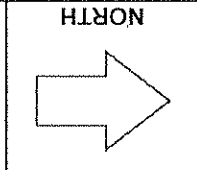
11/01/2012

@ Nightingale St.

- HEAVY VEHICLE- ANY VEHICLE HAVING MORE THAN FOUR TIRES TOUCHING THE PAVEMENT
- A. TRUCKS- A HEAVY VEHICLE INVOLVED PRIMARILY IN THE TRANSPORT OF GOODS OR IN THE DELIVERY OF A SERVICE
- B. RV- A HEAVY VEHICLE OPERATED BY A PRIVATE MOTORIST AND INVOLVED IN THE TRANSPORT OF RECREATIONAL EQUIPMENT OR FACILITIES.
- C. BUSES- A HEAVY VEHICLE INVOLVED IN THE TRANSPORTATION OF GROUPS OF PEOPLE.

TIME	PEDESTRIANS				HEAVY VEHICLES		
	APP. #1	APP. #2	APP. #3	APP. #4	TRUCKS	RV	BUS
6:00-6:15AM							
6:15-6:30							
6:30-6:45							
6:45-7:00							
<b>HOURLY TOTAL</b>							
7:00-7:15	2		2		3		5
7:15-7:30	6		6		1		21
7:30-7:45	1		1		1		2
7:45-8:00	2		2		4		2
<b>HOURLY TOTAL</b>	11		11		39		
8:00-8:15							
8:15-8:30							
8:30-8:45							
8:45-9:00							
<b>HOURLY TOTAL</b>							
9:00-9:15							
9:15-9:30							
9:30-9:45							
9:45-10:00							
<b>HOURLY TOTAL</b>							
10:00-10:15							
10:15-10:30							
10:30-10:45							
10:45-11:00							
<b>HOURLY TOTAL</b>							
11:00-11:15							
11:15-11:30							
11:30-11:45							
11:45-12:00							
<b>HOURLY TOTAL</b>							
12:00-12:15							
12:15-12:30							
12:30-12:45							
12:45-1:00							
<b>HOURLY TOTAL</b>							
1:00-1:15							
1:15-1:30							
1:30-1:45							
1:45-2:00							
<b>HOURLY TOTAL</b>							
<b>TOTAL</b>							
<b>TOTAL</b>	11						49

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APP. #1 = CSAH 18  
 APP. #2 = NONE  
 APP. #3 = CSAH 18  
 APP. #4 = Nightingale St.

COUNT LOCATION: \_\_\_\_\_

CSAH 18 (Crosstown Blvd.)

DATE: \_\_\_\_\_

11/01/2012

HEAVY VEHICLE- ANY VEHICLE HAVING MORE THAN FOUR TIRES TOUCHING THE PAVEMENT  
 A. TRUCKS- A HEAVY VEHICLE INVOLVED PRIMARILY IN THE TRANSPORT OF GOODS OR IN THE DELIVERY OF A SERVICE  
 B. RV- A HEAVY VEHICLE OPERATED BY A PRIVATE MOTORIST AND INVOLVED IN THE TRANSPORT OF RECREATIONAL EQUIPMENT OR FACILITIES.  
 C. BUSES- A HEAVY VEHICLE INVOLVED IN THE TRANSPORTATION OF GROUPS OF PEOPLE.

TIME	PEDESTRIANS				HEAVY VEHICLES	
	APP. #1	APP. #2	APP. #3	APP. #4	TRUCKS	RV
2:00-2:15PM					3	BUS
2:15-2:30		3			8	
2:30-2:45		9			4	
2:45-3:00		3			8	
HOURLY TOTAL					57	
3:00-3:15		1			2	
3:15-3:30		2			10	
3:30-3:45		2			19	
3:45-4:00						
HOURLY TOTAL				3		31
4:00-4:15						
4:15-4:30						
4:30-4:45						
4:45-5:00						
HOURLY TOTAL						
5:00-5:15						
5:15-5:30						
5:30-5:45						
5:45-6:00						
HOURLY TOTAL						
6:00-6:15						
6:15-6:30						
6:30-6:45						
6:45-7:00						
HOURLY TOTAL						
7:00-7:15						
7:15-7:30						
7:30-7:45						
7:45-8:00						
HOURLY TOTAL						
8:00-8:15						
8:15-8:30						
8:30-8:45						
8:45-9:00						
HOURLY TOTAL						
9:00-9:15						
9:15-9:30						
9:30-9:45						
9:45-10:00						
HOURLY TOTAL						
TOTAL					14	137

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