

Date : 02/20/13

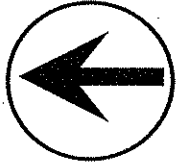
Count Number : TMC1306

Location : CSAH 1 (Coon Rapids Blvd.)

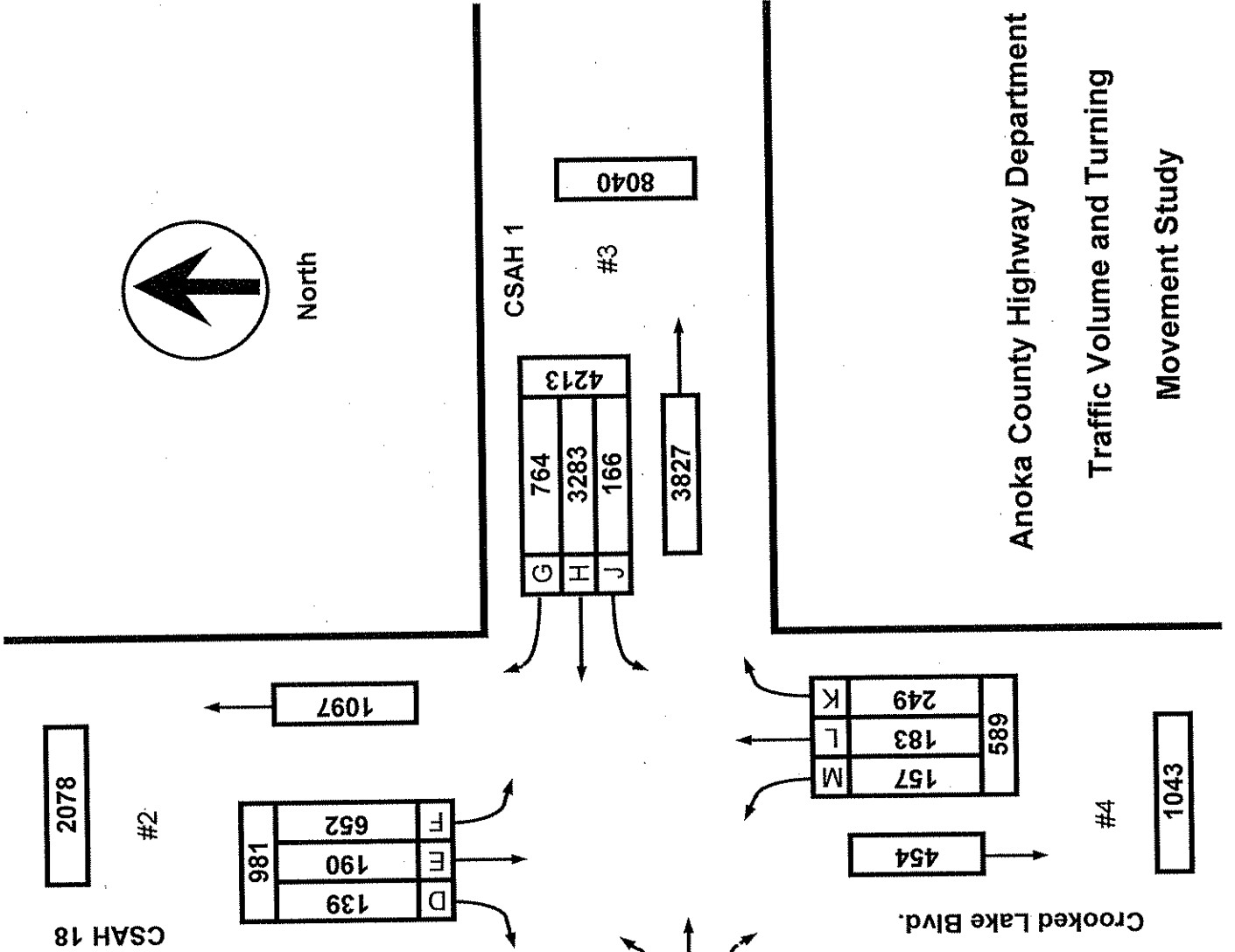
@ CSAH 18 (Crooked Lake Blvd.)

Collection Period : PEAK HOURS

6:15-8:15 AM, 1-2 PM, & 3:45-5:45 PM



North



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

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

2078

#2

CSAH 18

981			
139	D	190	F
652	T		H

1097

CSAH 1

764	G	4213	
3283	H		
166	J		

8040

#3

3827

3579

#1

6753

3174			
98	A	2926	B
150	C		

CSAH 1

157	M	183	L	249	K
589					

454

Crooked Lake Blvd.

#4

1043

Date : 02/20/13

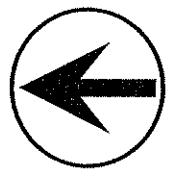
Count Number : TMC1306

Location : CSAH 1 (Coon Rapids Blvd.)

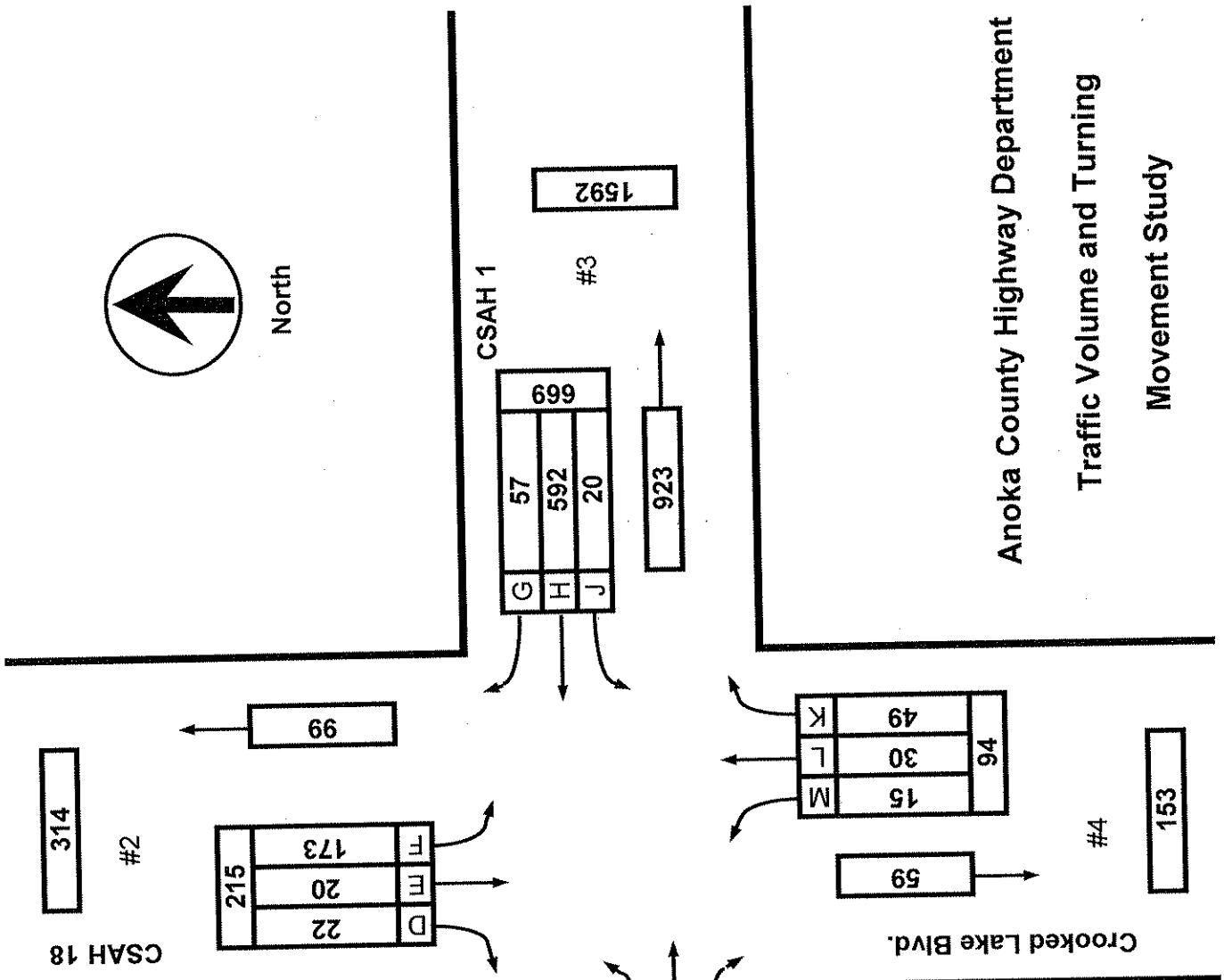
@ CSAH 18 (Crooked Lake Blvd.)

Collection Period : AM PEAK

Hour : 7:00 - 8:00 AM



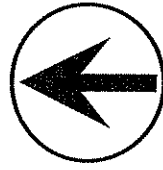
North



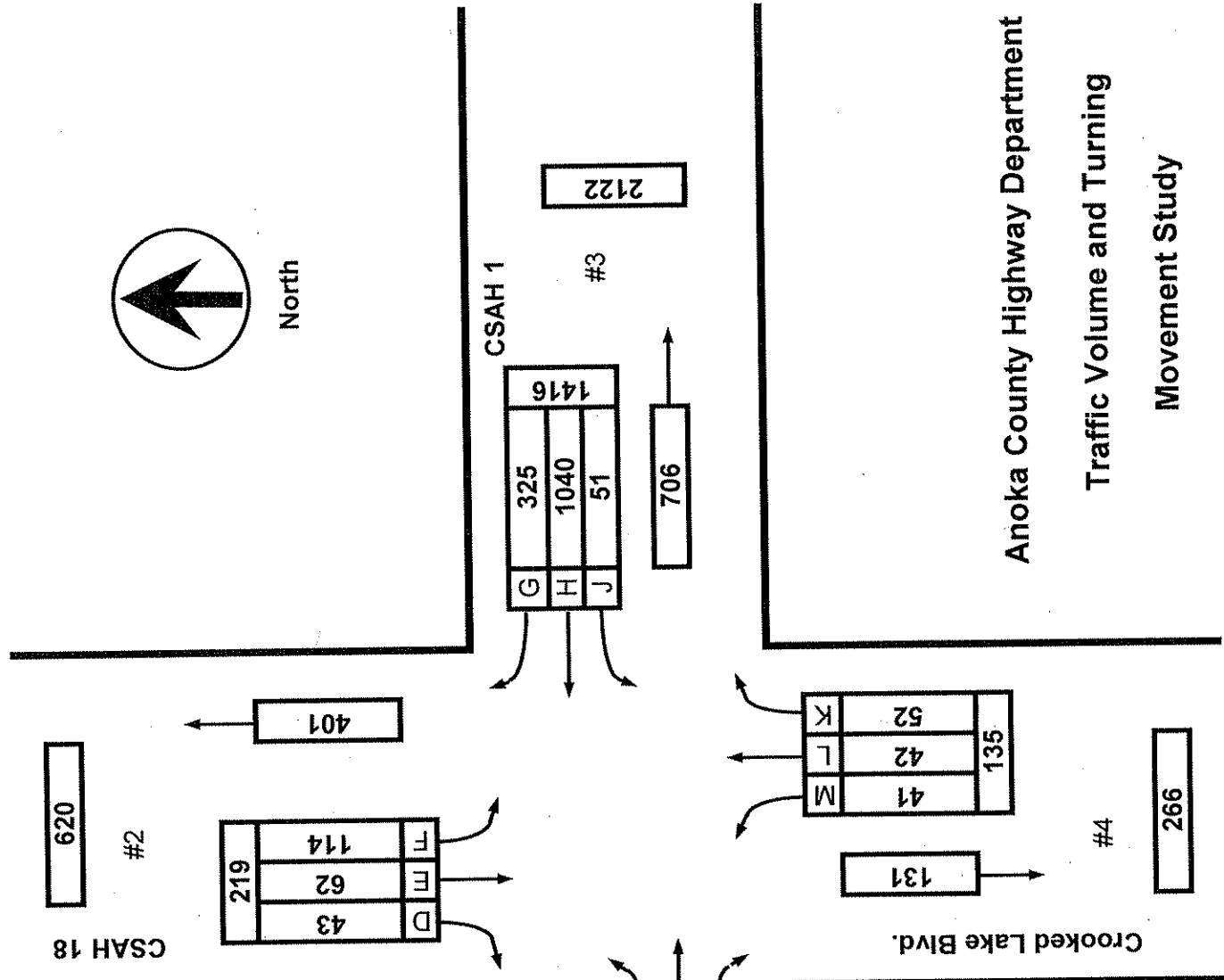
	EXISTING LANES OF APPROACH			TOTAL
	RIGHT TURN LANE	LEFT TURN LANE	THRU LANES	
#1	1	1	2	4
#2	0	1	1	2
#3	1	1	2	4
#4	1	1	1	3

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 02/20/13
 Count Number : TMC1306
 Location : CSAH 1 (Coon Rapids Blvd.)
 @ CSAH 18 (Crooked Lake Blvd.)
 Collection Period : PM PEAK
 Hour : 4:30 PM - 5:30 PM



North



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

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 1306
 Site Code : 13060203
 Start Date : 02/20/2013
 Page No : 1

Weather: Cold and Sunny
 Counter: DB-400
 Study Conducted By: Ted and Andrea

Groups Printed- Unshifted

Start Time	CSAH 18 Southbound					CSAH 1 Westbound					Crooked Lake Blvd. Northbound					CSAH 1 Eastbound					Exclu. Total	Inclu. Total	Int. Total
	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total	Left	Thru	Right	Heavys	App. Total			
06:15 AM	27	4	0	0	31	4	57	5	2	66	1	4	11	0	16	0	96	0	3	96	5	209	214
06:30 AM	48	3	5	1	56	1	62	10	0	73	4	3	12	0	19	1	143	2	4	146	11	308	319
06:45 AM	34	2	2	1	38	4	84	7	2	95	3	10	7	0	20	2	151	2	8	155	21	811	832
Total	109	9	7	2	125	9	203	22	4	234	8	17	30	0	55	3	390	4	15	397			
07:00 AM	51	4	4	1	59	1	78	14	4	93	2	6	15	1	23	0	149	3	5	152	11	327	338
07:15 AM	40	6	4	2	50	7	108	17	5	132	4	7	11	1	22	2	139	8	4	149	12	353	365
07:30 AM	46	4	5	2	55	8	194	12	4	214	5	6	13	0	24	5	213	6	10	224	16	517	533
07:45 AM	36	6	9	2	51	4	212	14	16	230	4	11	10	3	25	5	200	2	6	207	27	513	540
Total	173	20	22	7	215	20	592	57	29	669	15	30	49	5	94	12	701	19	25	732	66	1710	1776
08:00 AM	23	5	5	1	33	4	110	9	7	123	5	7	9	1	21	2	122	7	3	131	12	308	320
*** BREAK ***																							
Total	23	5	5	1	33	4	110	9	7	123	5	7	9	1	21	2	122	7	3	131	12	308	320
*** BREAK ***																							
01:00 PM	34	7	10	2	51	14	110	29	4	153	7	7	14	1	28	19	178	7	3	204	10	436	446
01:15 PM	29	9	12	1	50	7	120	21	7	148	13	6	9	0	28	10	107	3	2	120	10	346	356
01:30 PM	17	8	4	1	29	8	122	24	9	154	8	8	10	0	26	9	149	10	6	168	16	377	393
01:45 PM	26	9	6	3	41	6	142	25	11	173	11	6	15	1	32	14	179	7	17	200	32	446	478
Total	106	33	32	7	171	35	494	99	31	628	39	27	48	2	114	52	613	27	28	692	68	1605	1673
*** BREAK ***																							
03:45 PM	27	14	12	0	53	11	183	65	7	259	16	17	17	1	50	17	139	5	2	161	10	523	533
Total	27	14	12	0	53	11	183	65	7	259	16	17	17	1	50	17	139	5	2	161	10	523	533
04:00 PM	24	9	5	2	38	12	214	54	3	280	6	13	15	1	34	4	182	5	4	191	10	543	553
04:15 PM	44	11	7	2	62	12	203	59	8	274	10	19	16	2	45	17	137	6	5	160	17	541	558
04:30 PM	25	14	9	1	48	15	253	89	4	357	10	7	16	0	33	13	158	6	4	177	9	615	624
04:45 PM	29	14	12	0	55	15	277	80	8	372	14	6	13	0	33	5	115	2	0	122	8	582	590
Total	122	48	33	5	203	54	947	282	23	1283	40	45	60	3	145	39	592	19	13	650	44	2281	2325
05:00 PM	32	23	15	0	70	14	253	72	0	339	3	18	8	0	29	8	148	5	1	161	1	599	600
05:15 PM	28	11	7	1	46	7	257	84	3	348	14	11	15	0	40	8	119	5	1	132	5	566	571
05:30 PM	32	27	6	1	65	12	244	74	1	330	17	11	13	1	41	9	102	7	1	118	4	554	558
Grand Total	652	190	139	24	981	166	3283	764	105	4213	157	183	249	13	589	150	2926	98	89	3174	231	8957	9188
Apprch %	66.5	19.4	14.2			3.9	77.9	18.1			26.7	31.1	42.3			4.7	92.2	3.1			2.5	97.5	
Total %	7.3	2.1	1.6		11	1.9	36.7	8.5		47	1.8	2	2.8		6.6	1.7	32.7	1.1		35.4			

Start Time	CSAH 18 Southbound				CSAH 1 Westbound				Crooked Lake Blvd. Northbound				CSAH 1 Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 06:15 AM to 11:45 AM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 07:00 AM																	
07:00 AM	51	4	4	59	1	78	14	93	2	6	15	23	0	149	3	152	327
07:15 AM	40	6	4	50	7	108	17	132	4	7	11	22	2	139	8	149	353
07:30 AM	46	4	5	55	8	194	12	214	5	6	13	24	5	213	6	224	517
07:45 AM	36	6	9	51	4	212	14	230	4	11	10	25	5	200	2	207	513
Total Volume	173	20	22	215	20	592	57	669	15	30	49	94	12	701	19	732	1710
% App. Total	80.5	9.3	10.2		3	88.5	8.5		16	31.9	52.1		1.6	95.8	2.6		
PHF	.848	.833	.611	.911	.625	.698	.838	.727	.750	.682	.817	.940	.600	.823	.594	.817	.827



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

File Name : TMC 1306
 Site Code : 13060203
 Start Date : 02/20/2013
 Page No : 2

Weather: Cold and Sunny
 Counter: DB-400
 Study Conducted By: Ted and Andrea

Start Time	CSAH 18 Southbound				CSAH 1 Westbound				Crooked Lake Blvd. Northbound				CSAH 1 Eastbound				Int. Total
	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	
Peak Hour Analysis From 12:00 PM to 05:30 PM - Peak 1 of 1																	
Peak Hour for Entire Intersection Begins at 04:30 PM																	
04:30 PM	25	14	9	48	15	253	89	357	10	7	16	33	13	158	6	177	615
04:45 PM	29	14	12	55	15	277	80	372	14	6	13	33	5	115	2	122	562
05:00 PM	32	23	15	70	14	253	72	339	3	18	8	29	8	148	5	161	599
05:15 PM	28	11	7	46	7	257	84	348	14	11	15	40	8	119	5	132	566
Total Volume	114	62	43	219	51	1040	325	1416	41	42	52	135	34	540	18	592	2362
% App. Total	52.1	28.3	19.6		3.6	73.4	23		30.4	31.1	38.5		5.7	91.2	3		
PHF	.891	.674	.717	.782	.850	.939	.913	.952	.732	.583	.813	.844	.654	.854	.750	.836	.960

NORTH

COUNT LOCATION:

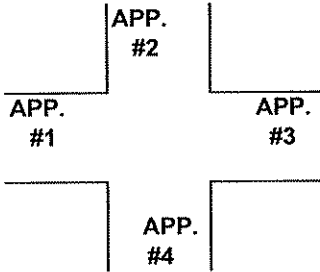
CSAH 1 (Coon Rapids Blvd.)

DATE:

02/20/2013

@ CSAH 18 (Crooked Lake Blvd.)

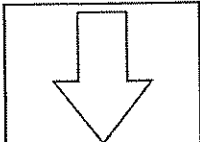
APP. #1 = CSAH 1
APP. #2 = CSAH 18
APP. #3 = CSAH 1
APP. #4 = CSAH 18



- 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	15 MIN TOT	TRUCKS	RV	BUS
6:00-6:15AM								
6:15-6:30						2		3
6:30-6:45		2			2	2		3
6:45-7:00	1				1	2		9
HOURLY TOTAL					3	HOURLY TOTAL		21
7:00-7:15						2		9
7:15-7:30				1	1	4		8
7:30-7:45						6		11
7:45-8:00						11		15
HOURLY TOTAL					1	HOURLY TOTAL		66
8:00-8:15						3		9
8:15-8:30								
8:30-8:45								
8:45-9:00								
HOURLY TOTAL						HOURLY TOTAL		12
9:00-9:15								
9:15-9:30								
9:30-9:45								
9:45-10:00								
HOURLY TOTAL						HOURLY TOTAL		
10:00-10:15								
10:15-10:30								
10:30-10:45								
10:45-11:00								
HOURLY TOTAL						HOURLY TOTAL		
11:00-11:15								
11:15-11:30								
11:30-11:45								
11:45-12:00								
HOURLY TOTAL						HOURLY TOTAL		
12:00-12:15								
12:15-12:30								
12:30-12:45								
12:45-1:00								
HOURLY TOTAL						HOURLY TOTAL		
1:00-1:15	1				1	5		5
1:15-1:30						4		7
1:30-1:45			1	1	2	9		7
1:45-2:00						9		21
HOURLY TOTAL					3	HOURLY TOTAL		67
					TOTAL		TOTAL	166

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COUNT LOCATION:

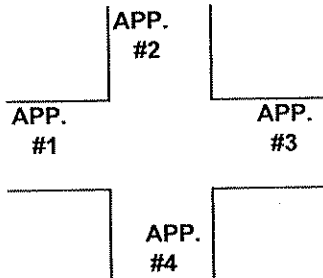
CSAH 1 (Coon Rapids Blvd.)

DATE:

02/20/2013

@ CSAH 18 (Crooked Lake Blvd.)

NORTH
APP. #1 = CSAH 1
APP. #2 = CSAH 18
APP. #3 = CSAH 1
APP. #4 = CSAH 18



- 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	15 MIN TOT	TRUCKS	RV	BUS
2:00-2:15PM								
2:15-2:30								
2:30-2:45								
2:45-3:00								
HOURLY TOTAL						HOURLY TOTAL		
3:00-3:15								
3:15-3:30								
3:30-3:45								
3:45-4:00						3		7
HOURLY TOTAL						HOURLY TOTAL		
4:00-4:15						2		8
4:15-4:30			2		2	8		9
4:30-4:45						1		8
4:45-5:00								8
HOURLY TOTAL					2	HOURLY TOTAL		
5:00-5:15						1		
5:15-5:30			2		2			5
5:30-5:45			2		2	1		3
5:45-6:00								
HOURLY TOTAL					4	HOURLY TOTAL		
6:00-6:15								
6:15-6:30								
6:30-6:45								
6:45-7:00								
HOURLY TOTAL						HOURLY TOTAL		
7:00-7:15								
7:15-7:30								
7:30-7:45								
7:45-8:00								
HOURLY TOTAL						HOURLY TOTAL		
8:00-8:15								
8:15-8:30								
8:30-8:45								
8:45-9:00								
HOURLY TOTAL						HOURLY TOTAL		
9:00-9:15								
9:15-9:30								
9:30-9:45								
9:45-10:00								
HOURLY TOTAL						HOURLY TOTAL		
TOTAL					13	TOTAL		230

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