

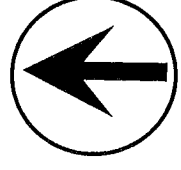
Date : 08/20/14

Count Number : TMC1428

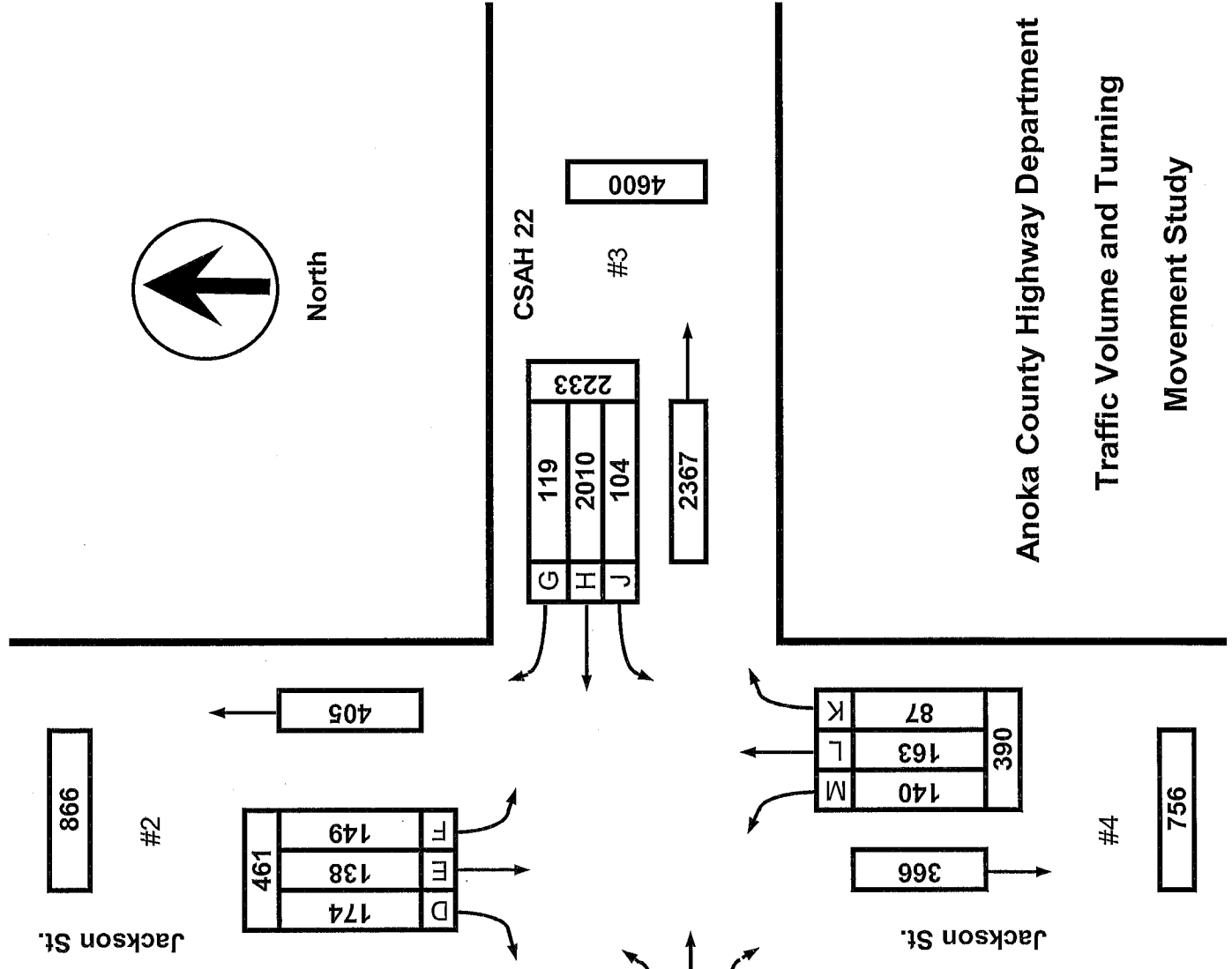
Location : CSAH 22 (Viking Blvd.)

@ Jackson St.

Collection Period : 6 AM - 7 PM



North



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

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

#4 756

#1 4702

2324

CSAH 22

Jackson St.

CSAH 22

4600

#3

2367

866

#2

405

#4

Date : 08/20/14

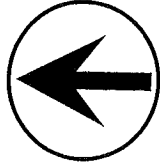
Count Number : TMC1428

Location : CSAH 22 (Viking Blvd.)

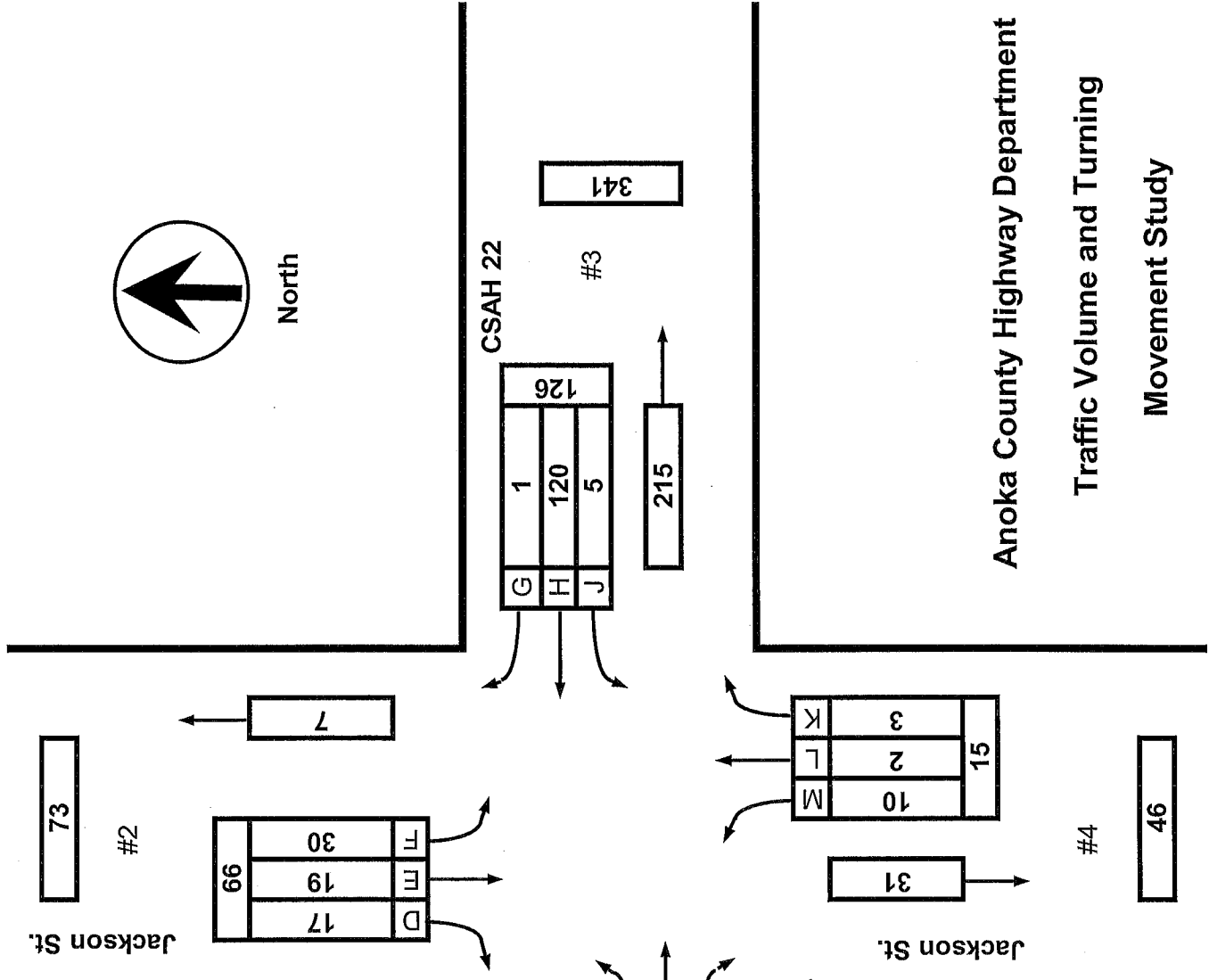
@ Jackson St.

Collection Period : AM PEAK

Hour : 6:30 - 7:30 AM



North



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

Anoka County Highway Department
 Traffic Volume and Turning
 Movement Study

Date : 08/12/14

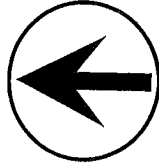
Count Number : TMC1428

Location : CSAH 22 (Viking Blvd.)

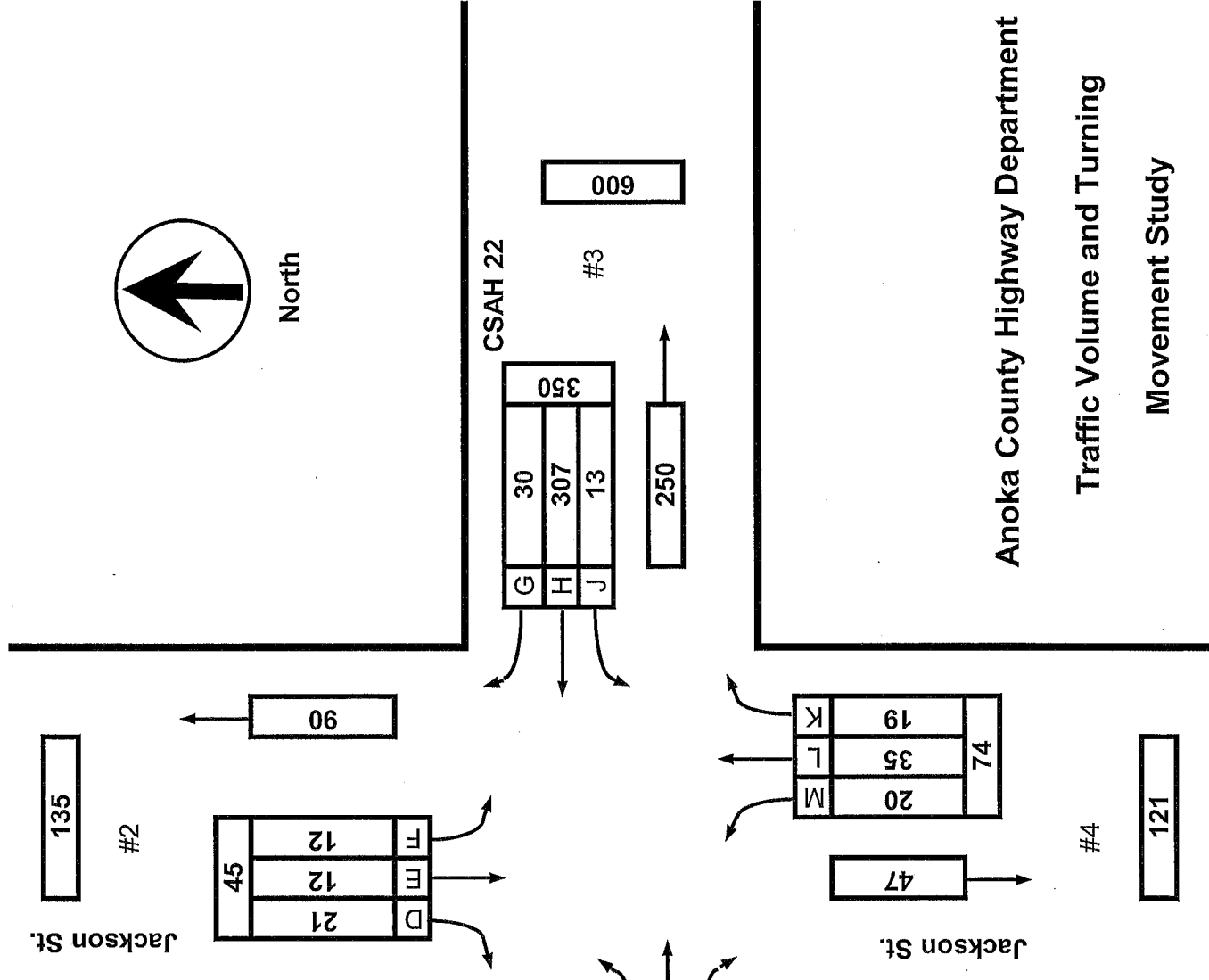
@ Jackson St.

Collection Period : PM PEAK

Hour : 4:30 - 5:30 PM



North



Anoka County Highway Department
Traffic Volume and Turning
Movement Study

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



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Default Comments
 Weather: Warm and Humid
 Counter: DB-400
 Study Conducted By: Sam and Andrea

File Name : TMC 1428
 Site Code : 14280203
 Start Date : 08/12/2014
 Page No : 1

Groups Printed- Unshifted

Start Time	Jackson St. Southbound					CSAH 22 Westbound					Jackson St. Northbound					CSAH 22 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			
06:00	2	6	3	1	11	2	22	5	1	29	2	0	2	0	4	1	29	0	2	30	4	74	78
06:15	3	2	3	0	8	1	36	0	5	37	0	1	0	0	1	0	28	0	4	28	9	74	83
06:30	8	4	5	0	17	1	37	1	4	39	4	1	1	0	6	0	37	1	5	38	9	100	109
06:45	10	3	3	0	16	1	27	0	3	28	4	0	0	0	4	2	55	2	7	59	10	107	117
Total	23	15	14	1	52	5	122	6	13	133	10	2	3	0	15	3	149	3	18	155	32	355	387
07:00	5	10	4	0	19	1	25	0	2	26	2	0	2	0	4	1	48	2	6	51	8	100	108
07:15	7	2	5	1	14	2	31	0	3	33	0	1	0	0	1	1	42	2	5	45	9	93	102
07:30	7	3	6	1	16	0	30	0	4	30	0	2	2	0	4	3	34	2	1	39	6	89	95
07:45	1	5	4	0	10	2	27	1	0	30	2	2	1	0	5	2	33	4	9	39	9	84	93
Total	20	20	19	2	59	5	113	1	9	119	4	5	5	0	14	7	157	10	21	174	32	366	398
08:00	2	3	4	0	9	0	23	1	5	24	1	4	0	0	5	3	57	5	10	65	15	103	118
08:15	1	3	4	1	8	1	29	0	1	30	2	1	1	1	4	1	40	1	3	42	6	84	90
08:30	2	3	1	0	6	2	19	1	3	22	1	3	0	0	4	0	37	2	2	39	5	71	76
08:45	0	1	2	0	3	2	25	0	2	27	1	2	3	0	6	1	36	1	1	38	3	74	77
Total	5	10	11	1	26	5	96	2	11	103	5	10	4	1	19	5	170	9	16	184	29	332	361
09:00	1	2	2	0	5	1	25	0	3	26	0	0	0	0	0	1	34	1	7	36	10	67	77
09:15	1	1	2	1	4	2	25	0	2	27	3	0	1	0	4	2	33	3	4	38	7	73	80
09:30	2	2	2	0	6	0	27	0	0	27	3	3	1	0	7	0	35	2	2	37	2	77	79
09:45	2	3	6	0	11	2	27	0	4	29	2	2	0	0	4	2	36	2	4	40	8	84	92
Total	6	8	12	1	26	5	104	0	9	109	8	5	2	0	15	5	138	8	17	151	27	301	328
10:00	2	1	0	0	3	4	15	2	6	21	2	3	7	0	12	3	38	2	5	43	11	79	90
10:15	1	1	2	0	4	2	26	3	1	31	2	1	0	1	3	1	31	2	1	34	3	72	75
10:30	1	1	4	1	6	0	27	1	3	28	1	0	0	1	1	2	44	2	4	48	9	83	92
10:45	5	3	1	0	9	1	32	6	1	39	1	1	1	0	3	2	25	1	2	28	3	79	82
Total	9	6	7	1	22	7	100	12	11	119	6	5	8	2	19	8	138	7	12	153	26	313	339
11:00	5	0	4	0	9	0	37	1	5	38	6	3	2	1	11	3	42	2	7	47	13	105	118
11:15	4	0	3	0	7	0	35	2	7	37	0	0	0	0	0	0	37	1	8	38	15	82	97
11:30	4	1	3	0	8	1	36	2	4	39	5	4	4	1	13	2	37	1	4	40	9	100	109
11:45	2	1	3	0	6	2	29	2	2	33	3	1	0	1	4	2	17	1	6	20	9	63	72
Total	15	2	13	0	30	3	137	7	18	147	14	8	6	3	28	7	133	5	25	145	46	350	396
12:00	3	0	1	0	4	0	23	1	4	24	2	2	2	1	6	1	30	2	4	33	9	67	76
12:15	0	1	1	0	2	1	34	0	3	35	0	0	2	0	2	2	36	3	6	41	9	80	89
12:30	5	3	2	0	10	3	32	0	6	35	1	0	0	0	1	2	30	1	3	33	9	79	88
12:45	1	2	6	0	9	1	33	2	4	36	0	3	0	0	3	0	30	2	4	32	8	80	88
Total	9	6	10	0	25	5	122	3	17	130	3	5	4	1	12	5	126	8	17	139	35	306	341
13:00	4	4	4	1	12	0	33	4	3	37	3	3	0	0	6	1	28	0	1	29	5	84	89
13:15	1	2	1	0	4	0	47	0	4	47	0	1	0	0	1	2	41	0	5	43	9	95	104
13:30	0	0	7	0	7	0	37	3	2	40	1	3	0	0	4	2	39	1	6	42	8	93	101
13:45	2	2	2	0	6	0	38	2	1	40	1	2	0	0	3	2	35	0	4	37	5	86	91
Total	7	8	14	1	29	0	155	9	10	164	5	9	0	0	14	7	143	1	16	151	27	358	385
14:00	3	2	6	1	11	3	44	3	5	50	0	2	0	1	2	2	53	3	9	58	16	121	137
14:15	0	3	5	1	8	5	28	9	3	42	3	0	0	1	3	5	42	1	4	48	9	101	110
14:30	2	1	3	0	6	0	38	3	3	41	2	2	2	0	6	3	47	2	5	52	8	105	113
14:45	1	2	1	0	4	3	35	0	11	38	1	2	0	0	3	2	44	4	4	50	15	95	110
Total	6	8	15	2	29	11	145	15	22	171	6	6	2	2	14	12	186	10	22	208	48	422	470
15:00	2	3	3	0	8	1	40	3	6	44	1	1	2	0	4	2	30	3	2	35	8	91	99
15:15	4	2	2	1	8	1	33	0	2	34	4	1	3	0	8	4	41	0	4	45	7	95	102
15:30	3	0	0	0	3	3	27	4	3	34	1	3	2	0	6	2	45	2	4	49	7	92	99
15:45	1	1	4	0	6	0	59	3	13	62	4	4	2	0	10	8	71	4	5	83	18	161	179
Total	10	6	9	1	25	5	159	10	24	174	10	9	9	0	28	16	187	9	15	212	40	439	479
16:00	3	2	4	0	9	2	70	7	5	79	10	11	3	0	24	4	54	2	4	60	9	172	181
16:15	3	4	0	0	7	6	77	5	2	88	2	7	6	0	15	1	66	2	4	69	6	179	185
16:30	2	2	4	0	8	6	67	5	4	78	4	4	2	0	10	4	65	8	2	77	6	173	179
16:45	1	3	4	0	8	5	79	7	2	91	8	5	12	0	25	2	56	4	2	62	4	186	190
Total	9	11	12	0	32	19	293	24	13	336	24	27	23	0	74	11	241	16	12	268	25	710	735
17:00	6	7	7	0	20	1	81	11	2	93	5	11	3	0	19	9	43	4	1	56	3	188	191
17:15	3	0	6	0	9	1	80	7	2	88	3	15	2	1	20	10	55	6	4	71	7	188	195
17:30	5	6	5	0	16	6	61	2	0	69	9	10	4	0	23	2	56	3	1	61	1	169	170



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

Default Comments
 Weather: Warm and Humid
 Counter: DB-400
 Study Conducted By: Sam and Andrea

File Name : TMC 1428
 Site Code : 14280203
 Start Date : 08/12/2014
 Page No : 2

Groups Printed- Unshifted

Start Time	Jackson St. Southbound					CSAH 22 Westbound					Jackson St. Northbound					CSAH 22 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			
17:45	3	8	1	0	12	6	70	3	6	79	4	8	3	0	15	3	57	6	5	66	11	172	183
Total	17	21	19	0	57	14	292	23	10	329	21	44	12	1	77	24	211	19	11	254	22	717	739
18:00	6	6	3	0	15	1	43	1	4	45	10	4	2	0	16	1	44	5	0	50	4	126	130
18:15	2	1	7	0	10	7	59	4	2	70	4	9	3	0	16	3	42	7	0	52	2	148	150
18:30	5	7	7	0	19	8	39	1	4	48	6	8	2	0	16	4	33	3	1	40	5	123	128
18:45	0	3	2	0	5	4	31	1	0	36	4	7	2	0	13	5	33	4	0	42	0	96	96
Total	13	17	19	0	49	20	172	7	10	199	24	28	9	0	61	13	152	19	1	184	11	493	504
Grand Total	149	138	174	10	461	104	2010	119	177	2233	140	163	87	10	390	123	2131	124	203	2378	400	5462	5862
Apprch %	32.3	29.9	37.7			4.7	90	5.3			35.9	41.8	22.3			5.2	89.6	5.2					
Total %	2.7	2.5	3.2		8.4	1.9	36.8	2.2		40.9	2.6	3	1.6		7.1	2.3	39	2.3		43.5	6.8	93.2	

Start Time	Jackson St. Southbound				App. Total	CSAH 22 Westbound				App. Total	Jackson St. Northbound				App. Total	CSAH 22 Eastbound				App. Total	Int. Total
	Left	Thru	Right	Heavys		Left	Thru	Right	Heavys		Left	Thru	Right	Heavys		Left	Thru	Right	Heavys		
Peak Hour Analysis From 06:00 to 11:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:30																					
06:30	8	4	5		17	1	37	1		39	4	1	1		6	0	37	1		38	100
06:45	10	3	3		16	1	27	0		28	4	0	0		4	2	55	2		59	107
07:00	5	10	4		19	1	25	0		26	2	0	2		4	1	48	2		51	100
07:15	7	2	5		14	2	31	0		33	0	1	0		1	1	42	2		45	93
Total Volume	30	19	17		66	5	120	1		126	10	2	3		15	4	182	7		193	400
% App. Total	45.5	28.8	25.8			4	95.2	0.8			66.7	13.3	20			2.1	94.3	3.6			
PHF	.750	.475	.850		.868	.625	.811	.250		.808	.625	.500	.375		.625	.500	.827	.875		.818	.935

Start Time	Jackson St. Southbound				App. Total	CSAH 22 Westbound				App. Total	Jackson St. Northbound				App. Total	CSAH 22 Eastbound				App. Total	Int. Total
	Left	Thru	Right	Heavys		Left	Thru	Right	Heavys		Left	Thru	Right	Heavys		Left	Thru	Right	Heavys		
Peak Hour Analysis From 12:00 to 18:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:30																					
16:30	2	2	4		8	6	67	5		78	4	4	2		10	4	65	8		77	173
16:45	1	3	4		8	5	79	7		91	8	5	12		25	2	56	4		62	186
17:00	6	7	7		20	1	81	11		93	5	11	3		19	9	43	4		56	188
17:15	3	0	6		9	1	80	7		88	3	15	2		20	10	55	6		71	188
Total Volume	12	12	21		45	13	307	30		350	20	35	19		74	25	219	22		266	735
% App. Total	26.7	26.7	46.7			3.7	87.7	8.6			27	47.3	25.7			9.4	82.3	8.3			
PHF	.500	.429	.750		.563	.542	.948	.682		.941	.625	.583	.396		.740	.625	.842	.688		.864	.977



**ANOKA COUNTY HIGHWAY
PC-WARRANTS
TRAFFIC SIGNAL WARRANT ANALYSIS**

Study Name : TMC 1428
Study Date : 08/22/14
Page No. : 1

Signal Warrants - Summary

Major Street Approaches

Eastbound: CSAH 22
Number of Lanes: 1
85% Speed > 40 MPH.
Total Approach Volume: **2,378**

Westbound: CSAH 22
Number of Lanes: 1
85% Speed > 40 MPH.
Total Approach Volume: **2,233**

Minor Street Approaches

Northbound: Jackson St.
Number of Lanes: 1

Total Approach Volume: **390**

Southbound: Jackson St.
Number of Lanes: 1

Total Approach Volume: **461**

Warrant Summary (Rural values apply.)

Warrant 1 - Eight Hour Vehicular Volumes	Not Satisfied
Warrant 1A - Minimum Vehicular Volume	Not Satisfied
Required volumes reached for 0 hours, 8 are needed	
Warrant 1B - Interruption of Continuous Traffic	Not Satisfied
Required volumes reached for 2 hours, 8 are needed	
Warrant 1 A&B - Combination of Warrants	Not Satisfied
Required volumes reached for 1 hours, 8 are needed	
Warrant 2 - Four Hour Volumes	Not Satisfied
Number of hours (0) volumes exceed minimum < minimum required (4).	
Warrant 3 - Peak Hour	Not Satisfied
Warrant 3A - Peak Hour Delay	Not Satisfied
Approach volumes on minor street don't exceed minimums for any hour. Delay data not evaluated.	
Warrant 3B - Peak Hour Volumes	Not Satisfied
Volumes do not exceed minimums for any hour.	
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 1428
Study Date : 08/22/14
Page No. : 1

Multi-Way Stop Warrant Report

Major Street Approaches

Eastbound: CSAH 22

Total Approach Volume: **2,378**
85% Speed > 40 MPH.

Westbound: CSAH 22

Total Approach Volume: **2,233**
85% Speed > 40 MPH.

Minor Street Approaches

Northbound: Jackson St.

Total Approach Volume: **390**

Southbound: Jackson St.

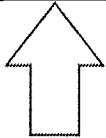
Total Approach Volume: **461**

Warrant Summary

- Criteria A - Interim Measure** **Not Evaluated**
If traffic signals are justified, stop signs can be installed as an interim measure.
- Criteria B - Crash Experience** **Not Evaluated**
- Criteria C - Minimum Volumes and Delays** **Not Satisfied**
Delay data not evaluated
Required volumes reached for 1 hours, 8 are needed
- Criteria D - 80% of Volumes, Delays, and Crashes** **Not Evaluated**
Delay data not evaluated
Number of crashes (-1) is less than the minimum required (4).
Required volumes reached for 8 hours, 8 are needed

Analysis of 8-Hour Volume Warrants:

Time	Major Total	Minor Total	Crit C			Crit D		
			Major	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
16:45 - 17:45	591	140	210-Yes	140-Yes	Both	240-Yes	160-No	Major
06:00 - 07:00	288	67	210-Yes	140-No	Major	240-Yes	160-No	Major
06:15 - 07:15	306	75	210-Yes	140-No	Major	240-Yes	160-No	Major
06:30 - 07:30	319	81	210-Yes	140-No	Major	240-Yes	160-No	Major
06:45 - 07:45	311	78	210-Yes	140-No	Major	240-Yes	160-No	Major
07:00 - 08:00	293	73	210-Yes	140-No	Major	240-Yes	160-No	Major
07:15 - 08:15	305	64	210-Yes	140-No	Major	240-Yes	160-No	Major
07:30 - 08:30	299	61	210-Yes	140-No	Major	240-Yes	160-No	Major
07:45 - 08:45	291	51	210-Yes	140-No	Major	240-Yes	160-No	Major
08:00 - 09:00	287	45	210-Yes	140-No	Major	240-Yes	160-No	Major
08:15 - 09:15	260	36	210-Yes	140-No	Major	240-Yes	160-No	Major
08:30 - 09:30	253	32	210-Yes	140-No	Major	240-Yes	160-No	Major
08:45 - 09:45	256	35	210-Yes	140-No	Major	240-Yes	160-No	Major
09:00 - 10:00	260	41	210-Yes	140-No	Major	240-Yes	160-No	Major
09:15 - 10:15	262	51	210-Yes	140-No	Major	240-Yes	160-No	Major
09:30 - 10:30	262	50	210-Yes	140-No	Major	240-Yes	160-No	Major
09:45 - 10:45	274	44	210-Yes	140-No	Major	240-Yes	160-No	Major
10:00 - 11:00	272	41	210-Yes	140-No	Major	240-Yes	160-No	Major
10:15 - 11:15	293	46	210-Yes	140-No	Major	240-Yes	160-No	Major
10:30 - 11:30	303	46	210-Yes	140-No	Major	240-Yes	160-No	Major
10:45 - 11:45	306	60	210-Yes	140-No	Major	240-Yes	160-No	Major
11:00 - 12:00	292	58	210-Yes	140-No	Major	240-Yes	160-No	Major
11:15 - 12:15	264	48	210-Yes	140-No	Major	240-Yes	160-No	Major
11:30 - 12:30	265	45	210-Yes	140-No	Major	240-Yes	160-No	Major



NORTH

COUNT LOCATION:

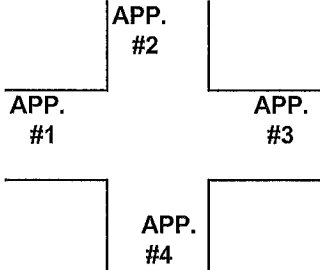
CSAH 22 (Viking Blvd.)

DATE:

08/20/2014

@ Jackson St.

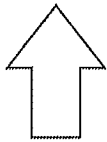
APP. #1 = CSAH 22
APP. #2 = Jackson St.
APP. #3 = CSAH 22
APP. #4 = Jackson St.



- 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	15 MIN TOT	TRUCKS	RV	BUS
6:00-6:15AM						4		
6:15-6:30						10		
6:30-6:45						9		
6:45-7:00						10		
HOURLY TOTAL						HOURLY TOTAL		33
7:00-7:15						8		
7:15-7:30						9		
7:30-7:45						5		
7:45-8:00						9		
HOURLY TOTAL						HOURLY TOTAL		31
8:00-8:15						14	1	
8:15-8:30						5	1	
8:30-8:45						3		1
8:45-9:00						3		
HOURLY TOTAL						HOURLY TOTAL		28
9:00-9:15						9	1	
9:15-9:30			1		1	7	1	
9:30-9:45						2		
9:45-10:00						6		2
HOURLY TOTAL					1	HOURLY TOTAL		28
10:00-10:15		1			1	11		
10:15-10:30						3		
10:30-10:45	1				1	9		
10:45-11:00						2		
HOURLY TOTAL					2	HOURLY TOTAL		25
11:00-11:15						12	1	
11:15-11:30						13	2	
11:30-11:45						9		
11:45-12:00						8	1	
HOURLY TOTAL						HOURLY TOTAL		46
12:00-12:15						9		
12:15-12:30		1			1	8		
12:30-12:45						7		2
12:45-1:00						8		
HOURLY TOTAL					1	HOURLY TOTAL		34
1:00-1:15						5		
1:15-1:30						9		
1:30-1:45						8		
1:45-2:00						5		
HOURLY TOTAL						HOURLY TOTAL		27
TOTAL					4	TOTAL		252

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NORTH

COUNT LOCATION:

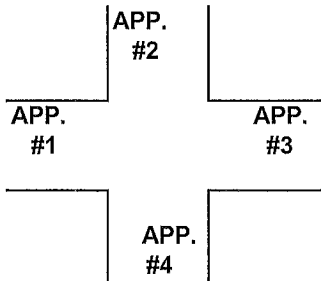
CSAH 22 (Viking Blvd.)

DATE:

08/12/2014

@ Jackson St.

APP. #1 = CSAH 22
APP. #2 = Jackson St.
APP. #3 = CSAH 22
APP. #4 = Jackson 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	15 MIN TOT	TRUCKS	RV	BUS
2:00-2:15PM			4		4	16		
2:15-2:30						9		
2:30-2:45						7		1
2:45-3:00						15		
HOURLY TOTAL					4	HOURLY TOTAL		48
3:00-3:15						8		
3:15-3:30						6		1
3:30-3:45	3				3	7		
3:45-4:00						19		
HOURLY TOTAL					3	HOURLY TOTAL		41
4:00-4:15						8		
4:15-4:30						6	1	
4:30-4:45						4	1	1
4:45-5:00			1		1	4		
HOURLY TOTAL					1	HOURLY TOTAL		25
5:00-5:15						3		
5:15-5:30			3		3	6	1	
5:30-5:45						1		
5:45-6:00						11		
HOURLY TOTAL					3	HOURLY TOTAL		22
6:00-6:15						4		
6:15-6:30	1				1	2		
6:30-6:45						4		1
6:45-7:00	4				4			
HOURLY TOTAL					5	HOURLY TOTAL		11
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	20	TOTAL	399

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