

Date : 04/29/14

Count Number : TMC1407

Location : CSAH 83 (Armstrong Blvd.)

@ Alpine Drive

Collection Period : 6 AM - 8 PM

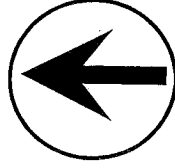
4207

#2

CSAH 83

2018	D	E	T
71	1895	52	

2189



North

Alpine Drive

G	H	J
54	165	79
298		

608

#3

310

685

#1

1408

Alpine Drive

723	A	B	C
500	148	75	

EXISTING LANES OF APPROACH

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

M	L	K
449	2060	110
2619		

2474

CSAH 83

#4

5093

Anoka County Highway Department

Traffic Volume and Turning

Movement Study

Date : 04/29/14

Count Number : TMC1407

Location : CSAH 83 (Armstrong Blvd.)

@ Alpine Drive

Collection Period : AM PEAK

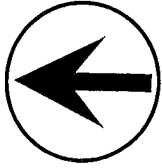
Hour : 6:45 - 7:45 AM

CSAH 83 #2 417

#2

378	5	365	8
D	F	F	F

39



North

Alpine Drive

3	25	7
G	H	J

#3

56

21

155	43
112	3
13	13
96	3
A	B
C	

#1

Alpine Drive

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

3	33	10
K	L	M

#4

468

CSAH 83

514

Anoka County Highway Department

Traffic Volume and Turning

Movement Study

Date : 04/28/14

Count Number : TMC1407

Location : CSAH 83 (Armstrong Blvd.)

@ Alpine Drive

Collection Period : PM PEAK

Hour : 4:30 - 5:30 PM

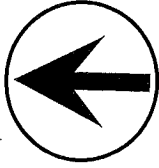
525

#2

CSAH 83

106	4	2
TT	TT	D

419



North

Alpine Drive

9	9	6
G	H	J

66

#3

42

89

#1

153

11	21	32
C	B	A

Alpine Drive

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

17	399	78
K	L	M

138

CSAH 83

#4

632

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 1407
 Site Code : 14070203
 Start Date : 04/28/2014
 Page No : 1

Weather: Cold and Rain
 Counter: DB-400
 Study Conducted By: Sam and Andrea

Groups Printed- Unshifted

Start Time	CSAH 83 Southbound					Alpine Drive Westbound					CSAH 83 Northbound					Alpine Drive 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	0	51	0	1	51	2	5	0	0	7	1	7	1	0	9	0	0	9	1	9	2	76	78
06:15	1	79	1	0	81	0	2	0	0	2	3	7	0	2	10	0	0	10	1	10	3	103	106
06:30	0	73	1	3	74	3	3	0	0	6	2	9	1	1	12	3	2	12	2	17	6	109	115
06:45	1	97	2	1	100	2	9	0	0	11	3	7	0	1	10	0	4	24	1	28	3	149	152
Total	2	300	4	5	306	7	19	0	0	26	9	30	2	4	41	3	6	55	5	64	14	437	451
07:00	3	72	0	3	75	1	2	0	0	3	0	3	0	3	3	1	5	23	0	29	3	110	113
07:15	1	112	1	1	114	3	7	2	1	12	4	10	2	1	16	0	1	36	0	37	3	179	182
07:30	0	84	5	0	89	1	7	1	1	9	3	13	1	1	17	2	3	13	0	18	2	133	135
07:45	1	56	0	1	57	2	6	1	0	9	1	18	2	0	21	2	1	23	0	26	1	113	114
Total	5	324	6	5	335	7	22	4	2	33	8	44	5	2	57	5	10	95	0	110	9	535	544
08:00	0	47	0	2	47	0	6	0	0	6	3	9	0	3	12	2	3	18	0	23	5	88	93
08:15	1	43	1	0	45	2	5	1	0	8	3	9	1	1	13	2	4	10	0	14	1	80	81
08:30	1	38	2	1	41	3	5	1	0	9	5	10	0	2	15	1	0	17	2	18	5	83	88
08:45	2	50	0	2	52	0	4	2	1	6	6	18	2	4	26	5	2	20	0	27	7	111	118
Total	4	178	3	5	185	5	20	4	1	29	17	46	3	10	66	8	9	65	2	82	18	362	380
09:00	0	39	4	4	43	2	2	0	0	4	6	11	1	0	18	1	1	9	0	11	4	76	80
09:15	1	37	2	3	40	0	3	0	0	3	4	11	1	4	16	1	0	10	0	11	7	70	77
09:30	1	39	2	2	42	1	1	1	0	3	3	14	0	1	17	0	3	7	0	10	3	72	75
09:45	2	26	0	0	28	1	0	0	0	1	6	17	2	1	25	0	3	3	1	6	2	60	62
Total	4	141	8	9	153	4	6	1	0	11	19	53	4	6	76	2	7	29	1	38	16	278	294
10:00	0	18	0	2	18	1	3	2	1	6	4	10	3	1	17	0	0	3	0	3	4	44	48
10:15	5	25	0	0	30	1	1	0	0	2	2	17	1	2	20	1	1	5	0	7	2	59	61
10:30	0	23	3	1	26	1	1	1	0	3	3	16	2	0	21	0	1	6	0	7	1	57	58
10:45	1	24	0	0	25	2	1	1	0	4	3	15	3	0	21	0	1	7	0	8	0	58	58
Total	6	90	3	3	99	5	6	4	1	15	12	58	9	3	79	1	3	21	0	25	7	218	225
11:00	0	21	2	2	23	3	1	0	0	4	8	16	2	4	26	0	2	9	0	11	6	64	70
11:15	0	23	0	0	23	3	1	0	0	4	8	21	0	1	29	3	1	5	1	9	2	65	67
11:30	1	32	2	1	35	3	3	1	2	7	1	20	1	0	22	1	3	4	1	8	4	72	76
11:45	1	34	2	3	37	2	3	1	0	6	11	27	1	4	39	0	1	6	0	7	7	89	96
Total	2	110	6	6	118	11	8	2	2	21	28	84	4	9	116	4	7	24	2	35	19	290	309
12:00	1	25	0	1	26	2	1	1	0	4	5	28	3	2	36	1	2	4	0	7	3	73	76
12:15	0	23	1	0	24	0	0	1	0	1	9	37	2	2	48	1	2	6	0	9	2	82	84
12:30	5	23	0	0	28	0	2	0	0	2	7	27	2	2	36	1	0	11	0	12	2	78	80
12:45	0	27	3	0	30	1	5	1	1	7	7	21	1	2	29	1	0	6	0	7	3	73	76
Total	6	98	4	1	108	3	8	3	1	14	28	113	8	8	149	4	4	27	0	35	10	306	316
13:00	0	36	0	1	36	0	1	0	0	1	8	28	2	3	38	1	3	9	0	13	4	88	92
13:15	1	18	0	1	19	2	3	0	0	5	6	31	4	1	41	2	2	6	2	10	4	75	79
13:30	0	25	3	1	28	0	1	0	1	1	10	31	3	1	44	0	1	6	0	7	3	80	83
13:45	0	22	1	2	23	3	3	0	1	6	8	39	4	6	51	1	2	3	1	6	10	86	96
Total	1	101	4	5	106	5	8	0	2	13	32	129	13	11	174	4	8	24	3	36	21	329	350
14:00	1	31	1	1	33	2	2	0	0	4	6	40	0	2	46	2	0	9	2	11	5	94	99
14:15	0	33	0	0	33	3	4	1	2	8	10	51	3	4	64	1	3	3	0	7	6	112	118
14:30	2	23	3	1	28	6	4	0	2	10	8	46	3	2	57	2	4	4	1	10	6	105	111
14:45	1	32	3	3	36	1	2	1	0	4	13	57	2	4	72	0	2	9	0	11	7	123	130
Total	4	119	7	5	130	12	12	2	4	26	37	194	8	12	239	5	9	25	3	39	24	434	458
15:00	1	20	4	0	25	0	4	0	1	4	7	53	1	1	61	2	5	5	1	12	3	102	105
15:15	0	21	1	0	22	1	3	0	0	4	15	67	4	2	86	2	1	7	1	10	3	122	125
15:30	2	23	0	0	25	0	1	1	0	2	5	74	3	3	82	3	9	2	0	14	3	123	126
15:45	2	18	3	0	23	0	3	2	0	5	16	64	5	2	85	2	7	14	1	23	3	136	139
Total	5	82	8	0	95	1	11	3	1	15	43	258	13	8	314	9	22	28	3	59	12	483	495
16:00	1	30	5	2	36	2	3	3	1	8	20	77	2	2	99	0	7	5	0	12	5	155	160
16:15	0	23	1	1	24	2	4	2	0	8	17	106	5	3	128	3	4	6	0	13	4	173	177
16:30	1	24	1	2	26	4	2	1	0	7	23	90	7	2	120	5	3	9	0	17	4	170	174
16:45	1	26	0	0	27	0	3	4	0	7	14	108	2	0	124	2	5	7	0	14	0	172	172
Total	3	103	7	5	113	8	12	10	1	30	74	381	16	7	471	10	19	27	0	56	13	670	683
17:00	2	23	0	0	25	1	3	1	1	5	16	101	5	2	122	0	5	7	1	12	4	164	168
17:15	0	27	1	0	28	1	1	3	0	5	25	100	3	1	128	4	8	9	1	21	2	182	184
17:30	1	22	1	0	24	1	1	3	0	5	16	76	4	0	96	4	4	6	0	14	0	139	139



Anoka County Highway Department

Traffic Engineering Section

Traffic Volume and Turning Movement Study

File Name : TMC 1407
 Site Code : 14070203
 Start Date : 04/28/2014
 Page No : 2

Weather: Cold and Rain
 Counter: DB-400
 Study Conducted By: Sam and Andrea

Groups Printed- Unshifted

Start Time	CSAH 83 Southbound					Alpine Drive Westbound					CSAH 83 Northbound					Alpine Drive 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	31	0	1	34	3	4	2	1	9	17	64	3	1	84	2	4	9	0	15	3	142	145
Total	6	103	2	1	111	6	9	9	2	24	74	341	15	4	430	10	21	31	2	62	9	627	636
18:00	0	24	0	0	24	0	1	5	3	6	10	69	1	0	80	1	5	10	0	16	3	126	129
18:15	0	22	2	1	24	0	5	0	0	5	13	45	2	0	60	3	4	6	1	13	2	102	104
18:30	2	27	2	0	31	0	2	1	0	3	11	49	3	1	63	1	3	6	0	10	1	107	108
18:45	0	16	0	2	16	2	3	1	1	6	10	35	2	0	47	1	1	5	0	7	3	76	79
Total	2	89	4	3	95	2	11	7	4	20	44	198	8	1	250	6	13	27	1	46	9	411	420
19:00	0	16	2	0	18	2	4	0	0	6	3	28	1	1	32	3	3	8	1	14	2	70	72
19:15	0	13	0	1	13	1	2	0	0	3	11	49	1	1	61	0	1	6	0	7	2	84	86
19:30	1	12	3	0	16	0	2	2	0	4	7	30	0	0	37	0	3	4	0	7	0	64	64
19:45	1	16	0	0	17	0	5	3	0	8	3	24	0	0	27	1	3	4	0	8	0	60	60
Total	2	57	5	1	64	3	13	5	0	21	24	131	2	2	157	4	10	22	1	36	4	278	282
Grand Total	52	1895	71	54	2018	79	165	54	21	298	449	2060	110	87	2619	75	148	500	23	723	185	5658	5843
Approch %	2.6	93.9	3.5			26.5	55.4	18.1			17.1	78.7	4.2			10.4	20.5	69.2					
Total %	0.9	33.5	1.3		35.7	1.4	2.9	1		5.3	7.9	36.4	1.9		46.3	1.3	2.6	8.8		12.8	3.2	96.8	

Start Time	CSAH 83 Southbound					Alpine Drive Westbound					CSAH 83 Northbound					Alpine Drive 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 06:00 to 11:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 06:45																					
06:45	1	97	2	100	2	9	0	11	3	7	0	10	0	4	24	28	149				
07:00	3	72	0	75	1	2	0	3	0	3	0	3	1	5	23	29	110				
07:15	1	112	1	114	3	7	2	12	4	10	2	16	0	1	36	37	179				
07:30	0	84	5	89	1	7	1	9	3	13	1	17	2	3	13	18	133				
Total Volume	5	365	8	378	7	25	3	35	10	33	3	46	3	13	96	112	571				
% App. Total	1.3	96.6	2.1		20	71.4	8.6		21.7	71.7	6.5		2.7	11.6	85.7						
PHF	.417	.815	.400	.829	.583	.694	.375	.729	.625	.635	.375	.676	.375	.650	.667	.757	.797				

Start Time	CSAH 83 Southbound					Alpine Drive Westbound					CSAH 83 Northbound					Alpine Drive 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 to 19:45 - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 16:30																					
16:30	1	24	1	26	4	2	1	7	23	90	7	120	5	3	9	17	170				
16:45	1	26	0	27	0	3	4	7	14	108	2	124	2	5	7	14	172				
17:00	2	23	0	25	1	3	1	5	16	101	5	122	0	5	7	12	164				
17:15	0	27	1	28	1	1	3	5	25	100	3	128	4	8	9	21	182				
Total Volume	4	100	2	106	6	9	9	24	78	399	17	494	11	21	32	64	688				
% App. Total	3.8	94.3	1.9		25	37.5	37.5		15.8	80.8	3.4		17.2	32.8	50						
PHF	.500	.926	.500	.946	.375	.750	.563	.857	.780	.924	.607	.965	.550	.656	.889	.762	.945				



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

Study Name : TMC 1407
Study Date : 05/02/14
Page No. : 1

Signal Warrants - Summary

Major Street Approaches

Northbound: CSAH 83

Number of Lanes: 2
85% Speed > 40 MPH.
Total Approach Volume: 2,619

Southbound: CSAH 83

Number of Lanes: 2
85% Speed > 40 MPH.
Total Approach Volume: 2,018

Minor Street Approaches

Eastbound: Alpine Drive

Number of Lanes: 1

Total Approach Volume: 723

Westbound: Alpine Drive

Number of Lanes: 1

Total Approach Volume: 298

Warrant Summary (Rural values apply.)

- Warrant 1 - Eight Hour Vehicular Volumes Not Satisfied**
 - Warrant 1A - Minimum Vehicular Volume Not Satisfied**
Required volumes reached for 1 hours, 8 are needed
 - Warrant 1B - Interruption of Continuous Traffic Not Satisfied**
Required volumes reached for 0 hours, 8 are needed
 - Warrant 1 A&B - Combination of Warrants Not Satisfied**
Required volumes reached for 0 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**

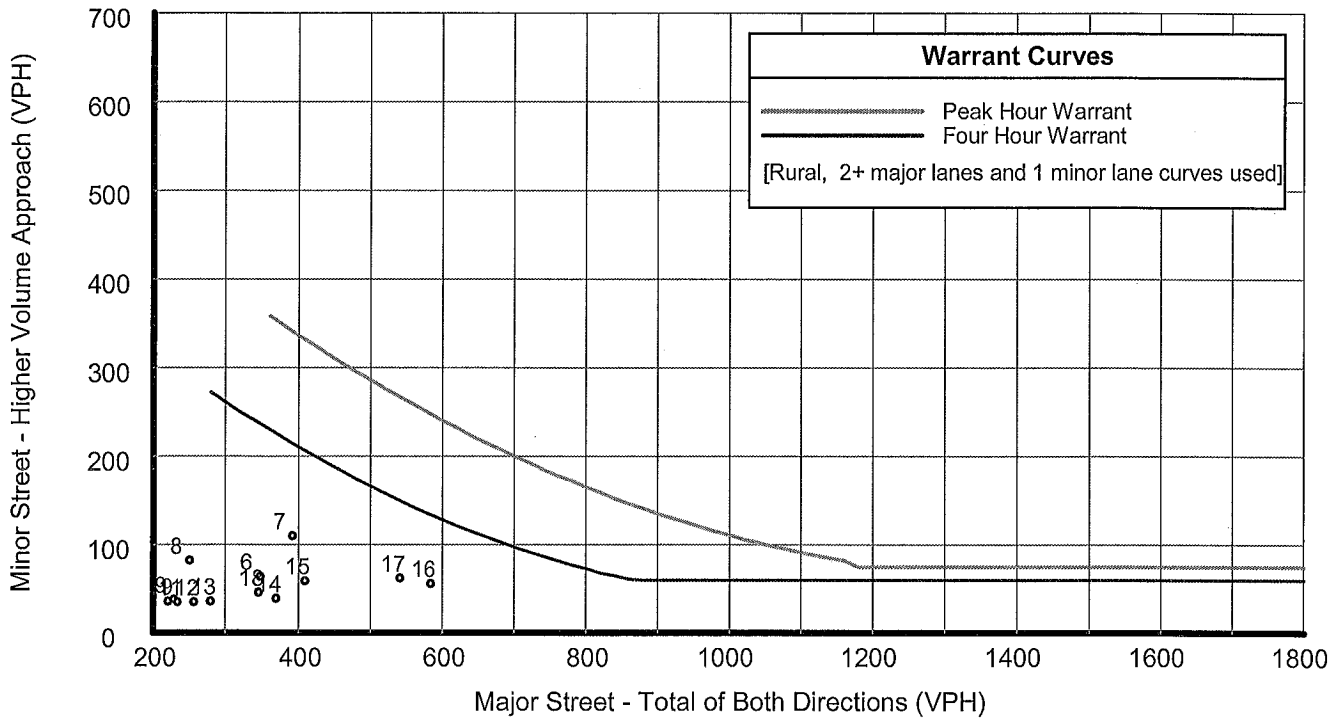
- Warrant 9 - Intersection Near a Grade Crossing Not Evaluated**



ANOKA COUNTY HIGHWAY PC-WARRANTS TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name : TMC 1407
Study Date : 05/02/14
Page No. : 2

Signal Warrants - Summary



Analysis of 8-Hour Volume Warrants:

War 1A-Minimum Volume

War 1B-Interruption of Traffic

War 1C-Combination of Warrants

Hour Begin	Major Total	Minor Vol Dir	Maj 420	Min 105	Hour Begin	Major Total	Minor Vol Dir	Maj 630	Min 53	Hour Begin	Major Total	Minor Vol Dir	Maj 504	Min 84
06:45	424	112 EB	Yes	Yes	16:30	600	64 EB	No	Yes	16:30	600	64 EB	Yes	No
16:30	600	64 EB	Yes	No	16:15	596	56 EB	No	Yes	16:15	596	56 EB	Yes	No
16:15	596	56 EB	Yes	No	16:00	584	56 EB	No	Yes	16:00	584	56 EB	Yes	No
16:00	584	56 EB	Yes	No	16:45	574	61 EB	No	Yes	16:45	574	61 EB	Yes	No
16:45	574	61 EB	Yes	No	17:00	541	62 EB	No	Yes	17:00	541	62 EB	Yes	No
17:00	541	62 EB	Yes	No	15:45	541	65 EB	No	Yes	15:45	541	65 EB	Yes	No
15:45	541	65 EB	Yes	No	15:30	502	62 EB	No	Yes	15:30	502	62 EB	No	No
15:30	502	62 EB	Yes	No	17:15	498	66 EB	No	Yes	17:15	498	66 EB	No	No
17:15	498	66 EB	Yes	No	15:15	458	59 EB	No	Yes	15:15	458	59 EB	No	No
15:15	458	59 EB	Yes	No	17:30	426	58 EB	No	Yes	17:30	426	58 EB	No	No
17:30	426	58 EB	Yes	No	06:45	424	112 EB	No	Yes	06:45	424	112 EB	No	Yes
15:00	409	59 EB	No	No	15:00	409	59 EB	No	Yes	15:00	409	59 EB	No	No
14:45	409	47 EB	No	No	14:45	409	47 EB	No	No	14:45	409	47 EB	No	No
06:30	404	111 EB	No	Yes	06:30	404	111 EB	No	Yes	06:30	404	111 EB	No	Yes
17:45	400	54 EB	No	No	17:45	400	54 EB	No	Yes	17:45	400	54 EB	No	No
14:30	387	43 EB	No	No	07:00	392	110 EB	No	Yes	07:00	392	110 EB	No	Yes
14:15	376	40 EB	No	No	14:30	387	43 EB	No	No	14:30	387	43 EB	No	No
14:00	369	39 EB	No	No	14:15	376	40 EB	No	No	14:15	376	40 EB	No	No
06:15	365	84 EB	No	No	07:15	373	104 EB	No	Yes	07:15	373	104 EB	No	Yes
06:00	347	64 EB	No	No	14:00	369	39 EB	No	No	14:00	369	39 EB	No	No
18:00	345	46 EB	No	No	06:15	365	84 EB	No	Yes	06:15	365	84 EB	No	Yes
13:45	335	34 EB	No	No	06:00	347	64 EB	No	Yes	06:00	347	64 EB	No	No
13:30	322	31 EB	No	No	18:00	345	46 EB	No	No	18:00	345	46 EB	No	No
18:15	291	44 EB	No	No	13:45	335	34 EB	No	No	13:45	335	34 EB	No	No



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

Study Name : TMC 1407
Study Date : 05/02/14
Page No. : 1

Multi-Way Stop Warrant Report

Major Street Approaches

Northbound: CSAH 83
Total Approach Volume: 2,619
85% Speed > 40 MPH.

Southbound: CSAH 83
Total Approach Volume: 2,018
85% Speed > 40 MPH.

Minor Street Approaches

Eastbound: Alpine Drive
Total Approach Volume: 723

Westbound: Alpine Drive
Total Approach Volume: 298

Warrant Summary

Criteria A - Interim Measure Not Evaluated
If traffic signals are justified, stop signs can be installed as an interim measure.

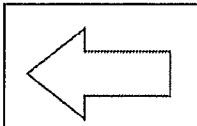
Criteria B - Crash Experience Not Evaluated

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 0 hours, 8 are needed

Analysis of 8 Hour Volume Warrants:

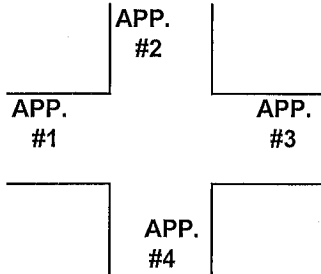
Time	Major Total	Minor Total	Crit C			Crit D		
			Major	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
06:30 - 07:30	404	143	210-Yes	140-Yes	Both	240-Yes	160-No	Major
05:45 - 06:45	237	51	210-Yes	140-No	Major	240-No	160-No	No
06:00 - 07:00	347	90	210-Yes	140-No	Major	240-Yes	160-No	Major
06:15 - 07:15	365	106	210-Yes	140-No	Major	240-Yes	160-No	Major
07:30 - 08:30	301	113	210-Yes	140-No	Major	240-Yes	160-No	Major
07:45 - 08:45	251	113	210-Yes	140-No	Major	240-Yes	160-No	Major
08:00 - 09:00	251	111	210-Yes	140-No	Major	240-Yes	160-No	Major
08:15 - 09:15	253	97	210-Yes	140-No	Major	240-Yes	160-No	Major
08:30 - 09:30	251	89	210-Yes	140-No	Major	240-Yes	160-No	Major
08:45 - 09:45	254	75	210-Yes	140-No	Major	240-Yes	160-No	Major
09:00 - 10:00	229	49	210-Yes	140-No	Major	240-No	160-No	No
11:00 - 12:00	234	56	210-Yes	140-No	Major	240-No	160-No	No
11:15 - 12:15	247	52	210-Yes	140-No	Major	240-Yes	160-No	Major
11:30 - 12:30	267	49	210-Yes	140-No	Major	240-Yes	160-No	Major
11:45 - 12:45	274	48	210-Yes	140-No	Major	240-Yes	160-No	Major
12:00 - 13:00	257	49	210-Yes	140-No	Major	240-Yes	160-No	Major
12:15 - 13:15	269	52	210-Yes	140-No	Major	240-Yes	160-No	Major
12:30 - 13:30	257	57	210-Yes	140-No	Major	240-Yes	160-No	Major
12:45 - 13:45	265	51	210-Yes	140-No	Major	240-Yes	160-No	Major
13:00 - 14:00	280	49	210-Yes	140-No	Major	240-Yes	160-No	Major
13:15 - 14:15	285	50	210-Yes	140-No	Major	240-Yes	160-No	Major
13:30 - 14:30	322	50	210-Yes	140-No	Major	240-Yes	160-No	Major
13:45 - 14:45	335	62	210-Yes	140-No	Major	240-Yes	160-No	Major
14:00 - 15:00	369	65	210-Yes	140-No	Major	240-Yes	160-No	Major



COUNT LOCATION: CSAH 83 (Armstrong Blvd.)
@ Alpine Drive

DATE: 04/29/2014

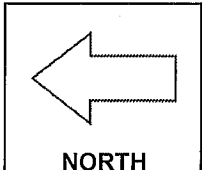
NORTH
APP. #1 = CSAH 83
APP. #2 = Alpine Dr.
APP. #3 = CSAH 83
APP. #4 = Alpine Dr.



- 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				1	1	2		
6:15-6:30						1		2
6:30-6:45						3		3
6:45-7:00						1		2
HOURLY TOTAL					1	HOURLY TOTAL		14
7:00-7:15				1	1	2		1
7:15-7:30						2		1
7:30-7:45						1		1
7:45-8:00						1		1
HOURLY TOTAL					1	HOURLY TOTAL		10
8:00-8:15						3	1	
8:15-8:30								1
8:30-8:45						2		3
8:45-9:00						6		1
HOURLY TOTAL						HOURLY TOTAL		17
9:00-9:15						4		
9:15-9:30						8		
9:30-9:45						3		
9:45-10:00						2		
HOURLY TOTAL						HOURLY TOTAL		17
10:00-10:15						4		
10:15-10:30						2		
10:30-10:45						2		
10:45-11:00								
HOURLY TOTAL						HOURLY TOTAL		8
11:00-11:15						6		
11:15-11:30						2		
11:30-11:45						4		
11:45-12:00						7		
HOURLY TOTAL						HOURLY TOTAL		19
12:00-12:15						2		1
12:15-12:30						2		
12:30-12:45						1		1
12:45-1:00						3		
HOURLY TOTAL						HOURLY TOTAL		10
1:00-1:15				1	1	4		
1:15-1:30						4		
1:30-1:45						3		
1:45-2:00						10		
HOURLY TOTAL					1	HOURLY TOTAL		21
TOTAL					3	TOTAL		116

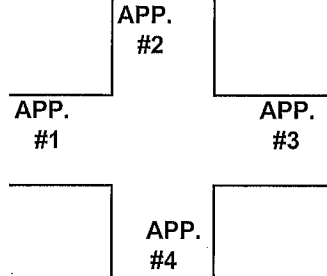
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COUNT LOCATION: CSAH 83 (Armstrong Blvd.)
@ Alpine Drive

DATE: 04/28/2014

- APP. #1 = CSAH 83
- APP. #2 = Alpine Dr.
- APP. #3 = CSAH 83
- APP. #4 = Alpine Dr.



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						5		
2:15-2:30						4		2
2:30-2:45						5		1
2:45-3:00						4		3
HOURLY TOTAL						HOURLY TOTAL		24
3:00-3:15						1		2
3:15-3:30						1		2
3:30-3:45						2		1
3:45-4:00						1		2
HOURLY TOTAL						HOURLY TOTAL		12
4:00-4:15						4		1
4:15-4:30						1		3
4:30-4:45						3		1
4:45-5:00								
HOURLY TOTAL						HOURLY TOTAL		13
5:00-5:15						3		1
5:15-5:30						2		
5:30-5:45								
5:45-6:00						3		
HOURLY TOTAL						HOURLY TOTAL		9
6:00-6:15				3	3	2		1
6:15-6:30						1		1
6:30-6:45								1
6:45-7:00						2		1
HOURLY TOTAL					3	HOURLY TOTAL		9
7:00-7:15				3	3	2		
7:15-7:30						2		
7:30-7:45								
7:45-8:00								
HOURLY TOTAL					3	HOURLY TOTAL		4
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		TOTAL	187

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