

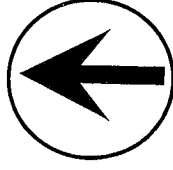
Date : 07/16/14

Count Number : TMC1419

Location : CSAH 17 (Lexington Ave.)

@ I-35W North Ramps

Collection Period : 6 AM - 10 PM



North

23620

#2

CSAH 17

|       |   |      |   |
|-------|---|------|---|
| 10850 |   |      |   |
| 4776  | D | 6074 | T |
| 0     | F | 0    | H |

12770

I-35W North Ramp

6736

#1

|   |   |   |   |
|---|---|---|---|
| 0 |   |   |   |
| 0 | A | 0 | C |
| 0 | B | 0 |   |

I-35W North Ramp

|      |   |      |
|------|---|------|
| 968  | G | 2005 |
| 15   | H |      |
| 1022 | J |      |

#3

2005

0

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

|       |   |       |   |   |   |
|-------|---|-------|---|---|---|
| 1945  | M | 11802 | L | 0 | K |
| 13747 |   |       |   |   |   |

7096

CSAH 17

#4

20843

Anoka County Highway Department

Traffic Volume and Turning

Movement Study

Date : 07/16/14

Count Number : TMC1419

Location : CSAH 17 (Lexington Ave.)

@ I-35W North Ramps

Collection Period : AM PEAK

Hour : 6:30 - 7:30 AM

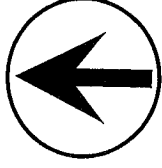
1458

#2

CSAH 17

|     |     |   |
|-----|-----|---|
| 950 | 465 | D |
| 485 | 485 | F |
| 0   | 0   | T |

508



North

I-35W North Ramp

|     |   |
|-----|---|
| 125 | G |
| 1   | H |
| 193 | J |

582

#1

|   |   |
|---|---|
| 0 | C |
| 0 | B |
| 0 | A |

I-35W North Ramp

#3

319

0

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

|     |   |
|-----|---|
| 116 | M |
| 383 | L |
| 0   | K |
| 499 |   |

678

#4

1177

CSAH 17

Anoka County Highway Department

Traffic Volume and Turning

Movement Study

Date : 07/14/14

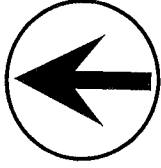
Count Number : TMC1419

Location : CSAH 17 (Lexington Ave.)

@ I-35W North Ramps

Collection Period : PM PEAK

Hour : 4:30 - 5:30 PM



North

2509

#2

CSAH 17

|     |   |    |   |
|-----|---|----|---|
| 964 |   |    |   |
| 422 | D | FT | T |
| 542 |   |    |   |
| 0   |   |    |   |

1545

I-35W North Ramp

|    |   |
|----|---|
| 78 | G |
| 2  | H |
| 72 | J |

152

#3

0

562

#1

|   |   |   |   |
|---|---|---|---|
| 0 |   |   |   |
| 0 | C | B | A |
| 0 |   |   |   |

I-35W North Ramp

|      |   |
|------|---|
| 0    | K |
| 1467 | L |
| 138  | M |
| 1605 |   |

614

CSAH 17

#4

2219

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

Anoka County Highway Department

Traffic Volume and Turning

Movement Study



# Anoka County Highway Department

## Traffic Engineering Section

### Traffic Volume and Turning Movement Study

Default Comments  
 Weather: Warm and Rain  
 Counter: DB-400  
 Study Conducted By: Jack and Steven

File Name : TMC 1419  
 Site Code : 14190202  
 Start Date : 07/14/2014  
 Page No : 1

#### Groups Printed- Unshifted

| Start Time   | CSAH 17 Southbound |            |            |           |            | I-35 W North Ramp Westbound |          |            |           |            | CSAH 17 Northbound |             |          |           |             | NONE 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                  | 45         | 133        | 7         | 178        | 5                           | 0        | 6          | 1         | 11         | 48                 | 52          | 0        | 4         | 100         | 0              | 0        | 0        | 0        | 0          | 12           | 289          | 301         |
| 06:15        | 0                  | 62         | 157        | 11        | 219        | 33                          | 0        | 10         | 1         | 43         | 53                 | 72          | 0        | 4         | 125         | 0              | 0        | 0        | 0        | 0          | 16           | 387          | 403         |
| 06:30        | 0                  | 104        | 119        | 8         | 223        | 84                          | 0        | 48         | 2         | 132        | 37                 | 75          | 0        | 1         | 112         | 0              | 0        | 0        | 0        | 0          | 11           | 467          | 478         |
| 06:45        | 0                  | 132        | 116        | 7         | 248        | 45                          | 1        | 35         | 2         | 81         | 20                 | 117         | 0        | 6         | 137         | 0              | 0        | 0        | 0        | 0          | 15           | 466          | 481         |
| <b>Total</b> | <b>0</b>           | <b>343</b> | <b>525</b> | <b>33</b> | <b>868</b> | <b>167</b>                  | <b>1</b> | <b>99</b>  | <b>6</b>  | <b>267</b> | <b>158</b>         | <b>316</b>  | <b>0</b> | <b>15</b> | <b>474</b>  | <b>0</b>       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>54</b>    | <b>1609</b>  | <b>1663</b> |
| 07:00        | 0                  | 115        | 115        | 4         | 230        | 21                          | 0        | 24         | 1         | 45         | 29                 | 94          | 0        | 11        | 123         | 0              | 0        | 0        | 0        | 0          | 16           | 398          | 414         |
| 07:15        | 0                  | 134        | 115        | 12        | 249        | 43                          | 0        | 18         | 3         | 61         | 30                 | 97          | 0        | 1         | 127         | 0              | 0        | 0        | 0        | 0          | 16           | 437          | 453         |
| 07:30        | 0                  | 114        | 100        | 14        | 214        | 30                          | 0        | 26         | 1         | 56         | 27                 | 85          | 0        | 7         | 112         | 0              | 0        | 0        | 0        | 0          | 22           | 382          | 404         |
| 07:45        | 0                  | 123        | 117        | 8         | 240        | 18                          | 0        | 36         | 0         | 54         | 19                 | 157         | 0        | 7         | 176         | 0              | 0        | 0        | 0        | 0          | 15           | 470          | 485         |
| <b>Total</b> | <b>0</b>           | <b>486</b> | <b>447</b> | <b>38</b> | <b>933</b> | <b>112</b>                  | <b>0</b> | <b>104</b> | <b>5</b>  | <b>216</b> | <b>105</b>         | <b>433</b>  | <b>0</b> | <b>26</b> | <b>538</b>  | <b>0</b>       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>69</b>    | <b>1687</b>  | <b>1756</b> |
| 08:00        | 0                  | 73         | 95         | 4         | 168        | 18                          | 1        | 23         | 1         | 42         | 31                 | 153         | 0        | 5         | 184         | 0              | 0        | 0        | 0        | 0          | 10           | 394          | 404         |
| 08:15        | 0                  | 70         | 95         | 5         | 165        | 16                          | 0        | 23         | 3         | 39         | 42                 | 119         | 0        | 9         | 161         | 0              | 0        | 0        | 0        | 0          | 17           | 365          | 382         |
| 08:30        | 0                  | 83         | 109        | 5         | 192        | 18                          | 0        | 7          | 1         | 25         | 45                 | 140         | 0        | 12        | 185         | 0              | 0        | 0        | 0        | 0          | 18           | 402          | 420         |
| 08:45        | 0                  | 68         | 85         | 12        | 153        | 9                           | 0        | 14         | 3         | 23         | 30                 | 135         | 0        | 7         | 165         | 0              | 0        | 0        | 0        | 0          | 22           | 341          | 363         |
| <b>Total</b> | <b>0</b>           | <b>294</b> | <b>384</b> | <b>26</b> | <b>678</b> | <b>61</b>                   | <b>1</b> | <b>67</b>  | <b>8</b>  | <b>129</b> | <b>148</b>         | <b>547</b>  | <b>0</b> | <b>33</b> | <b>695</b>  | <b>0</b>       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>67</b>    | <b>1502</b>  | <b>1569</b> |
| 09:00        | 0                  | 72         | 94         | 11        | 166        | 13                          | 0        | 8          | 0         | 21         | 37                 | 160         | 0        | 7         | 197         | 0              | 0        | 0        | 0        | 0          | 18           | 384          | 402         |
| 09:15        | 0                  | 61         | 71         | 8         | 132        | 11                          | 0        | 12         | 1         | 23         | 44                 | 138         | 0        | 10        | 182         | 0              | 0        | 0        | 0        | 0          | 19           | 337          | 356         |
| 09:30        | 0                  | 65         | 73         | 8         | 138        | 13                          | 0        | 4          | 0         | 17         | 39                 | 111         | 0        | 4         | 150         | 0              | 0        | 0        | 0        | 0          | 12           | 305          | 317         |
| 09:45        | 0                  | 71         | 81         | 10        | 152        | 13                          | 0        | 10         | 1         | 23         | 32                 | 95          | 0        | 3         | 127         | 0              | 0        | 0        | 0        | 0          | 14           | 302          | 316         |
| <b>Total</b> | <b>0</b>           | <b>269</b> | <b>319</b> | <b>37</b> | <b>588</b> | <b>50</b>                   | <b>0</b> | <b>34</b>  | <b>2</b>  | <b>84</b>  | <b>152</b>         | <b>504</b>  | <b>0</b> | <b>24</b> | <b>656</b>  | <b>0</b>       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>63</b>    | <b>1328</b>  | <b>1391</b> |
| 10:00        | 0                  | 25         | 27         | 5         | 52         | 8                           | 0        | 1          | 1         | 9          | 42                 | 136         | 0        | 8         | 178         | 0              | 0        | 0        | 0        | 0          | 14           | 239          | 253         |
| 10:15        | 0                  | 52         | 46         | 6         | 98         | 3                           | 0        | 17         | 2         | 20         | 26                 | 151         | 0        | 7         | 177         | 0              | 0        | 0        | 0        | 0          | 15           | 295          | 310         |
| 10:30        | 0                  | 73         | 62         | 12        | 135        | 16                          | 0        | 12         | 3         | 28         | 25                 | 169         | 0        | 12        | 194         | 0              | 0        | 0        | 0        | 0          | 27           | 357          | 384         |
| 10:45        | 0                  | 95         | 72         | 11        | 167        | 14                          | 0        | 11         | 1         | 25         | 34                 | 147         | 0        | 17        | 181         | 0              | 0        | 0        | 0        | 0          | 29           | 373          | 402         |
| <b>Total</b> | <b>0</b>           | <b>245</b> | <b>207</b> | <b>34</b> | <b>452</b> | <b>41</b>                   | <b>0</b> | <b>41</b>  | <b>7</b>  | <b>82</b>  | <b>127</b>         | <b>603</b>  | <b>0</b> | <b>44</b> | <b>730</b>  | <b>0</b>       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>85</b>    | <b>1264</b>  | <b>1349</b> |
| 11:00        | 0                  | 70         | 59         | 7         | 129        | 5                           | 0        | 20         | 1         | 25         | 32                 | 148         | 0        | 14        | 180         | 0              | 0        | 0        | 0        | 0          | 22           | 334          | 356         |
| 11:15        | 0                  | 69         | 74         | 10        | 143        | 12                          | 0        | 19         | 4         | 31         | 29                 | 175         | 0        | 12        | 204         | 0              | 0        | 0        | 0        | 0          | 26           | 378          | 404         |
| 11:30        | 0                  | 110        | 79         | 11        | 189        | 13                          | 0        | 14         | 3         | 27         | 26                 | 163         | 0        | 8         | 189         | 0              | 0        | 0        | 0        | 0          | 22           | 405          | 427         |
| 11:45        | 0                  | 99         | 53         | 5         | 152        | 13                          | 1        | 3          | 3         | 17         | 30                 | 170         | 0        | 14        | 200         | 0              | 0        | 0        | 0        | 0          | 22           | 369          | 391         |
| <b>Total</b> | <b>0</b>           | <b>348</b> | <b>265</b> | <b>33</b> | <b>613</b> | <b>43</b>                   | <b>1</b> | <b>56</b>  | <b>11</b> | <b>100</b> | <b>117</b>         | <b>656</b>  | <b>0</b> | <b>48</b> | <b>773</b>  | <b>0</b>       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>92</b>    | <b>1486</b>  | <b>1578</b> |
| 12:00        | 0                  | 90         | 61         | 9         | 151        | 7                           | 0        | 14         | 2         | 21         | 36                 | 177         | 0        | 10        | 213         | 0              | 0        | 0        | 0        | 0          | 21           | 385          | 406         |
| 12:15        | 0                  | 112        | 50         | 9         | 162        | 14                          | 0        | 18         | 5         | 32         | 32                 | 152         | 0        | 13        | 184         | 0              | 0        | 0        | 0        | 0          | 27           | 378          | 405         |
| 12:30        | 0                  | 99         | 64         | 8         | 163        | 12                          | 1        | 17         | 6         | 30         | 29                 | 219         | 0        | 11        | 248         | 0              | 0        | 0        | 0        | 0          | 25           | 441          | 466         |
| 12:45        | 0                  | 122        | 57         | 15        | 179        | 13                          | 0        | 14         | 2         | 27         | 30                 | 166         | 0        | 16        | 196         | 0              | 0        | 0        | 0        | 0          | 33           | 402          | 435         |
| <b>Total</b> | <b>0</b>           | <b>423</b> | <b>232</b> | <b>41</b> | <b>655</b> | <b>46</b>                   | <b>1</b> | <b>63</b>  | <b>15</b> | <b>110</b> | <b>127</b>         | <b>714</b>  | <b>0</b> | <b>50</b> | <b>841</b>  | <b>0</b>       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>106</b>   | <b>1606</b>  | <b>1712</b> |
| 13:00        | 0                  | 127        | 79         | 12        | 206        | 16                          | 0        | 8          | 1         | 24         | 41                 | 204         | 0        | 10        | 245         | 0              | 0        | 0        | 0        | 0          | 23           | 475          | 498         |
| 13:15        | 0                  | 105        | 57         | 9         | 162        | 20                          | 0        | 19         | 1         | 39         | 39                 | 156         | 0        | 11        | 195         | 0              | 0        | 0        | 0        | 0          | 21           | 396          | 417         |
| 13:30        | 0                  | 107        | 73         | 7         | 180        | 22                          | 0        | 15         | 7         | 37         | 47                 | 130         | 0        | 10        | 177         | 0              | 0        | 0        | 0        | 0          | 24           | 394          | 418         |
| 13:45        | 0                  | 105        | 39         | 6         | 144        | 15                          | 0        | 12         | 0         | 27         | 21                 | 167         | 0        | 7         | 188         | 0              | 0        | 0        | 0        | 0          | 13           | 359          | 372         |
| <b>Total</b> | <b>0</b>           | <b>444</b> | <b>248</b> | <b>34</b> | <b>692</b> | <b>73</b>                   | <b>0</b> | <b>54</b>  | <b>9</b>  | <b>127</b> | <b>148</b>         | <b>657</b>  | <b>0</b> | <b>38</b> | <b>805</b>  | <b>0</b>       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>81</b>    | <b>1624</b>  | <b>1705</b> |
| 14:00        | 0                  | 105        | 60         | 0         | 165        | 11                          | 0        | 10         | 0         | 21         | 20                 | 179         | 0        | 0         | 199         | 0              | 0        | 0        | 0        | 0          | 0            | 385          | 385         |
| 14:15        | 0                  | 108        | 70         | 9         | 178        | 15                          | 0        | 18         | 2         | 33         | 23                 | 204         | 0        | 8         | 227         | 0              | 0        | 0        | 0        | 0          | 19           | 438          | 457         |
| 14:30        | 0                  | 89         | 80         | 11        | 169        | 11                          | 5        | 11         | 0         | 27         | 36                 | 267         | 0        | 11        | 303         | 0              | 0        | 0        | 0        | 0          | 22           | 499          | 521         |
| 14:45        | 0                  | 109        | 76         | 9         | 185        | 21                          | 0        | 15         | 0         | 36         | 29                 | 259         | 0        | 9         | 288         | 0              | 0        | 0        | 0        | 0          | 18           | 509          | 527         |
| <b>Total</b> | <b>0</b>           | <b>411</b> | <b>286</b> | <b>29</b> | <b>697</b> | <b>58</b>                   | <b>5</b> | <b>54</b>  | <b>2</b>  | <b>117</b> | <b>108</b>         | <b>909</b>  | <b>0</b> | <b>28</b> | <b>1017</b> | <b>0</b>       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>59</b>    | <b>1831</b>  | <b>1890</b> |
| 15:00        | 0                  | 119        | 73         | 6         | 192        | 25                          | 0        | 15         | 2         | 40         | 53                 | 245         | 0        | 2         | 298         | 0              | 0        | 0        | 0        | 0          | 10           | 530          | 540         |
| 15:15        | 0                  | 117        | 91         | 7         | 208        | 9                           | 0        | 6          | 1         | 15         | 33                 | 269         | 0        | 14        | 302         | 0              | 0        | 0        | 0        | 0          | 22           | 525          | 547         |
| 15:30        | 0                  | 117        | 130        | 6         | 247        | 8                           | 0        | 16         | 3         | 24         | 38                 | 257         | 0        | 8         | 295         | 0              | 0        | 0        | 0        | 0          | 17           | 566          | 583         |
| 15:45        | 0                  | 111        | 85         | 7         | 196        | 12                          | 0        | 17         | 0         | 29         | 29                 | 276         | 0        | 5         | 305         | 0              | 0        | 0        | 0        | 0          | 12           | 530          | 542         |
| <b>Total</b> | <b>0</b>           | <b>464</b> | <b>379</b> | <b>26</b> | <b>843</b> | <b>54</b>                   | <b>0</b> | <b>54</b>  | <b>6</b>  | <b>108</b> | <b>153</b>         | <b>1047</b> | <b>0</b> | <b>29</b> | <b>1200</b> | <b>0</b>       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>61</b>    | <b>2151</b>  | <b>2212</b> |
| 16:00        | 0                  | 132        | 130        | 2         | 262        | 18                          | 0        | 14         | 0         | 32         | 33                 | 300         | 0        | 7         | 333         | 0              | 0        | 0        | 0        | 0          | 9            | 627          | 636         |
| 16:15        | 0                  | 115        | 89         | 7         | 204        | 16                          | 0        | 19         | 3         | 35         | 24                 | 305         | 0        | 6         | 329         | 0              | 0        | 0        | 0        | 0          | 16           | 568          | 584         |
| 16:30        | 0                  | 126        | 113        | 7         | 239        | 17                          | 0        | 15         | 1         | 32         | 47                 | 356         | 0        | 5         | 403         | 0              | 0        | 0        | 0        | 0          | 13           | 674          | 687         |
| 16:45        | 0                  | 114        | 87         | 1         | 201        | 22                          | 0        | 21         | 4         | 43         | 32                 | 377         | 0        | 5         | 409         | 0              | 0        | 0        | 0        | 0          | 10           | 653          | 663         |
| <b>Total</b> | <b>0</b>           | <b>487</b> | <b>419</b> | <b>17</b> | <b>906</b> | <b>73</b>                   | <b>0</b> | <b>69</b>  | <b>8</b>  | <b>142</b> | <b>136</b>         | <b>1338</b> | <b>0</b> | <b>23</b> | <b>1474</b> | <b>0</b>       | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>   | <b>48</b>    | <b>2522</b>  | <b>2570</b> |
| 17:00        | 0                  | 149        | 116        | 5         | 265        | 15                          | 0        | 19         | 1         | 34         | 24                 | 344         | 0        | 4         | 368         | 0              | 0        | 0        | 0        | 0          | 10           | 667          | 677         |
| 17:15        | 0                  | 153        | 106        | 4         | 259        | 18                          | 2        | 23         | 1         | 43         | 35                 | 390         | 0        | 10        | 425         | 0              | 0        | 0        | 0        | 0          | 15           | 727          | 742         |
| 17:30        | 0                  | 130        | 99         | 4         | 229        | 10                          | 0        | 20         | 2         | 30         | 30                 | 312         | 0        | 5         | 342         | 0              | 0        | 0        | 0        | 0          | 11           | 601          | 612         |



# Anoka County Highway Department

## Traffic Engineering Section

### Traffic Volume and Turning Movement Study

Default Comments  
 Weather: Warm and Rain  
 Counter: DB-400  
 Study Conducted By: Jack and Steven

File Name : TMC 1419  
 Site Code : 14190202  
 Start Date : 07/14/2014  
 Page No : 2

**Groups Printed- Unshifted**

| Start Time  | CSAH 17 Southbound |      |       |        |            | I-35 W North Ramp Westbound |      |       |        |            | CSAH 17 Northbound |       |       |        |            | NONE Eastbound |      |       |        |            | Exclu. Total | Inclu. Total | InL. 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       | 0                  | 106  | 93    | 1      | 199        | 15                          | 0    | 23    | 1      | 38         | 30                 | 356   | 0     | 3      | 386        | 0              | 0    | 0     | 0      | 0          | 5            | 623          | 628        |
| Total       | 0                  | 538  | 414   | 14     | 952        | 58                          | 2    | 85    | 5      | 145        | 119                | 1402  | 0     | 22     | 1521       | 0              | 0    | 0     | 0      | 0          | 41           | 2618         | 2659       |
| 18:00       | 0                  | 90   | 86    | 6      | 176        | 14                          | 0    | 12    | 0      | 26         | 23                 | 310   | 0     | 5      | 333        | 0              | 0    | 0     | 0      | 0          | 11           | 535          | 546        |
| 18:15       | 0                  | 92   | 49    | 2      | 141        | 15                          | 1    | 19    | 2      | 35         | 33                 | 322   | 0     | 1      | 355        | 0              | 0    | 0     | 0      | 0          | 5            | 531          | 536        |
| 18:30       | 0                  | 106  | 50    | 0      | 156        | 13                          | 1    | 20    | 2      | 34         | 26                 | 259   | 0     | 4      | 285        | 0              | 0    | 0     | 0      | 0          | 6            | 475          | 481        |
| 18:45       | 0                  | 104  | 52    | 0      | 156        | 24                          | 0    | 12    | 0      | 36         | 30                 | 212   | 0     | 3      | 242        | 0              | 0    | 0     | 0      | 0          | 3            | 434          | 437        |
| Total       | 0                  | 392  | 237   | 8      | 629        | 66                          | 2    | 63    | 4      | 131        | 112                | 1103  | 0     | 13     | 1215       | 0              | 0    | 0     | 0      | 0          | 25           | 1975         | 2000       |
| 19:00       | 0                  | 79   | 39    | 0      | 118        | 33                          | 0    | 52    | 1      | 85         | 23                 | 164   | 0     | 0      | 187        | 0              | 0    | 0     | 0      | 0          | 1            | 390          | 391        |
| 19:15       | 0                  | 101  | 41    | 0      | 142        | 9                           | 0    | 6     | 0      | 15         | 26                 | 194   | 0     | 2      | 220        | 0              | 0    | 0     | 0      | 0          | 2            | 377          | 379        |
| 19:30       | 0                  | 111  | 43    | 0      | 154        | 6                           | 1    | 4     | 0      | 11         | 25                 | 139   | 0     | 2      | 164        | 0              | 0    | 0     | 0      | 0          | 2            | 329          | 331        |
| 19:45       | 0                  | 77   | 40    | 3      | 117        | 9                           | 0    | 8     | 0      | 17         | 24                 | 157   | 0     | 2      | 181        | 0              | 0    | 0     | 0      | 0          | 5            | 315          | 320        |
| Total       | 0                  | 368  | 163   | 3      | 531        | 57                          | 1    | 70    | 1      | 128        | 98                 | 654   | 0     | 6      | 752        | 0              | 0    | 0     | 0      | 0          | 10           | 1411         | 1421       |
| 20:00       | 0                  | 68   | 33    | 4      | 101        | 8                           | 0    | 11    | 0      | 19         | 20                 | 167   | 0     | 3      | 187        | 0              | 0    | 0     | 0      | 0          | 7            | 307          | 314        |
| 20:15       | 0                  | 89   | 37    | 1      | 126        | 14                          | 0    | 5     | 0      | 19         | 16                 | 133   | 0     | 1      | 149        | 0              | 0    | 0     | 0      | 0          | 2            | 294          | 296        |
| 20:30       | 0                  | 88   | 36    | 1      | 124        | 11                          | 1    | 9     | 0      | 21         | 21                 | 107   | 0     | 0      | 128        | 0              | 0    | 0     | 0      | 0          | 1            | 273          | 274        |
| 20:45       | 0                  | 62   | 26    | 2      | 88         | 5                           | 0    | 3     | 0      | 8          | 28                 | 106   | 0     | 3      | 134        | 0              | 0    | 0     | 0      | 0          | 5            | 230          | 235        |
| Total       | 0                  | 307  | 132   | 8      | 439        | 38                          | 1    | 28    | 0      | 67         | 85                 | 513   | 0     | 7      | 598        | 0              | 0    | 0     | 0      | 0          | 15           | 1104         | 1119       |
| 21:00       | 0                  | 60   | 23    | 2      | 83         | 5                           | 0    | 6     | 1      | 11         | 5                  | 125   | 0     | 0      | 130        | 0              | 0    | 0     | 0      | 0          | 3            | 224          | 227        |
| 21:15       | 0                  | 65   | 31    | 1      | 96         | 7                           | 0    | 4     | 0      | 11         | 23                 | 87    | 0     | 1      | 110        | 0              | 0    | 0     | 0      | 0          | 2            | 217          | 219        |
| 21:30       | 0                  | 59   | 23    | 0      | 82         | 6                           | 0    | 6     | 1      | 12         | 10                 | 69    | 0     | 2      | 79         | 0              | 0    | 0     | 0      | 0          | 3            | 173          | 176        |
| 21:45       | 0                  | 32   | 18    | 1      | 50         | 2                           | 0    | 7     | 0      | 9          | 4                  | 54    | 0     | 1      | 58         | 0              | 0    | 0     | 0      | 0          | 2            | 117          | 119        |
| Total       | 0                  | 216  | 95    | 4      | 311        | 20                          | 0    | 23    | 2      | 43         | 42                 | 335   | 0     | 4      | 377        | 0              | 0    | 0     | 0      | 0          | 10           | 731          | 741        |
| 22:00       | 0                  | 39   | 24    | 0      | 63         | 5                           | 0    | 4     | 0      | 9          | 10                 | 71    | 0     | 0      | 81         | 0              | 0    | 0     | 0      | 0          | 0            | 153          | 153        |
| Grand Total | 0                  | 6074 | 4776  | 385    | 10850      | 1022                        | 15   | 968   | 91     | 2005       | 1945               | 11802 | 0     | 410    | 13747      | 0              | 0    | 0     | 0      | 0          | 886          | 26602        | 27488      |
| Apprch %    | 0                  | 56   | 44    |        |            | 51                          | 0.7  | 48.3  |        |            | 14.1               | 85.9  |       |        |            | 0              | 0    | 0     |        |            |              |              |            |
| Total %     | 0                  | 22.8 | 18    |        | 40.8       | 3.8                         | 0.1  | 3.6   |        | 7.5        | 7.3                | 44.4  |       |        | 51.7       | 0              | 0    | 0     |        |            | 3.2          | 96.8         |            |

| Start Time   | CSAH 17 Southbound |      |       |            | I-35 W North Ramp Westbound |      |       |            | CSAH 17 Northbound |      |       |            | NONE 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 06:30    |                    |      |       |            |                             |      |       |            |                    |      |       |            |                |      |       |            |            |
| 06:30  | 0                  | 104  | 119   | 223        | 84                          | 0    | 48    | 132        | 37                 | 75   | 0     | 112        | 0              | 0    | 0     | 0          | 467        |
| 06:45  | 0                  | 132  | 116   | 248        | 45                          | 1    | 35    | 81         | 20                 | 117  | 0     | 137        | 0              | 0    | 0     | 0          | 466        |
| 07:00  | 0                  | 115  | 115   | 230        | 21                          | 0    | 24    | 45         | 29                 | 94   | 0     | 123        | 0              | 0    | 0     | 0          | 398        |
| 07:15  | 0                  | 134  | 115   | 249        | 43                          | 0    | 18    | 61         | 30                 | 97   | 0     | 127        | 0              | 0    | 0     | 0          | 437        |
| Total Volume   | 0                  | 485  | 465   | 950        | 193                         | 1    | 125   | 319        | 116                | 383  | 0     | 499        | 0              | 0    | 0     | 0          | 1768       |
| % App. Total   | 0                  | 51.1 | 48.9  |            | 60.5                        | 0.3  | 39.2  |            | 23.2               | 76.8 |       |            | 0              | 0    | 0     |            |            |
| PHF  | .000               | .905 | .977  | .954       | .574                        | .250 | .651  | .604       | .784               | .818 | .000  | .911       | .000           | .000 | .000  | .000       | .946       |

|  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Peak Hour Analysis From 12:00 to 22:00 - Peak 1 of 1 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Peak Hour for Entire Intersection Begins at 16:30    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 16:30  | 0    | 126  | 113  | 239  | 17   | 0    | 15   | 32   | 47   | 356  | 0    | 403  | 0    | 0    | 0    | 0    | 674  |
| 16:45  | 0    | 114  | 87   | 201  | 22   | 0    | 21   | 43   | 32   | 377  | 0    | 409  | 0    | 0    | 0    | 0    | 653  |
| 17:00  | 0    | 149  | 116  | 265  | 15   | 0    | 19   | 34   | 24   | 344  | 0    | 368  | 0    | 0    | 0    | 0    | 667  |
| 17:15  | 0    | 153  | 106  | 259  | 18   | 2    | 23   | 43   | 35   | 390  | 0    | 425  | 0    | 0    | 0    | 0    | 727  |
| Total Volume   | 0    | 542  | 422  | 964  | 72   | 2    | 78   | 152  | 138  | 1467 | 0    | 1605 | 0    | 0    | 0    | 0    | 2721 |
| % App. Total   | 0    | 56.2 | 43.8 |      | 47.4 | 1.3  | 51.3 |      | 8.6  | 91.4 |      |      | 0    | 0    | 0    |      |      |
| PHF  | .000 | .886 | .909 | .909 | .818 | .250 | .848 | .884 | .734 | .940 | .000 | .944 | .000 | .000 | .000 | .000 | .936 |



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

Study Name : TMC 1419  
Study Date : 07/24/14  
Page No. : 1

**Signal Warrants - Summary**

**Major Street Approaches**

**Northbound: CSAH 17**  
Number of Lanes: 2  
85% Speed > 40 MPH.  
Total Approach Volume: **13,754**

**Southbound: CSAH 17**  
Number of Lanes: 2  
85% Speed > 40 MPH.  
Total Approach Volume: **10,850**

**Minor Street Approaches**

**Westbound: I-35 W North Ramp**  
Number of Lanes: 2  
  
Total Approach Volume: **2,005**

**Warrant Summary** (Rural values apply.)

|  |                      |
|--|----------------------|
| <b>Warrant 1 - Eight Hour Vehicular Volumes</b> .....                                  | <b>Satisfied</b>     |
| <b>Warrant 1A - Minimum Vehicular Volume</b> .....                                     | <b>Not Satisfied</b> |
| Required volumes reached for 6 hours, 8 are needed                                     |                      |
| <b>Warrant 1B - Interruption of Continuous Traffic</b> .....                           | <b>Satisfied</b>     |
| Required volumes reached for 15 hours, 8 are needed                                    |                      |
| <b>Warrant 1 A&amp;B - Combination of Warrants</b> .....                               | <b>Satisfied</b>     |
| Required volumes reached for 10 hours, 8 are needed                                    |                      |
| <b>Warrant 2 - Four Hour Volumes</b> .....   | <b>Satisfied</b>     |
| Number of hours (14) volumes exceed minimum >= minimum required (4).                   |                      |
| <b>Warrant 3 - Peak Hour</b> .....   | <b>Satisfied</b>     |
| <b>Warrant 3A - Peak Hour Delay</b> .....  | <b>Satisfied</b>     |
| Number of hours (13) volumes exceed minimum >= required (1). Delay data not evaluated. |                      |
| <b>Warrant 3B - Peak Hour Volumes</b> .....  | <b>Satisfied</b>     |
| Volumes exceed minimums for at least one hour.   |                      |
| <b>Warrant 4 - Pedestrian Volumes</b> .....  | <b>Not Evaluated</b> |
| <b>Warrant 5 - School Crossing</b> .....   | <b>Not Evaluated</b> |
| <b>Warrant 6 - Coordinated Signal System</b> .....                                     | <b>Not Evaluated</b> |
| <b>Warrant 7 - Crash Experience</b> .....  | <b>Not Evaluated</b> |
| <b>Warrant 8 - Roadway Network</b> .....   | <b>Not Evaluated</b> |
| <b>Warrant 9 - Intersection Near a Grade Crossing</b> .....                            | <b>Not Evaluated</b> |



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

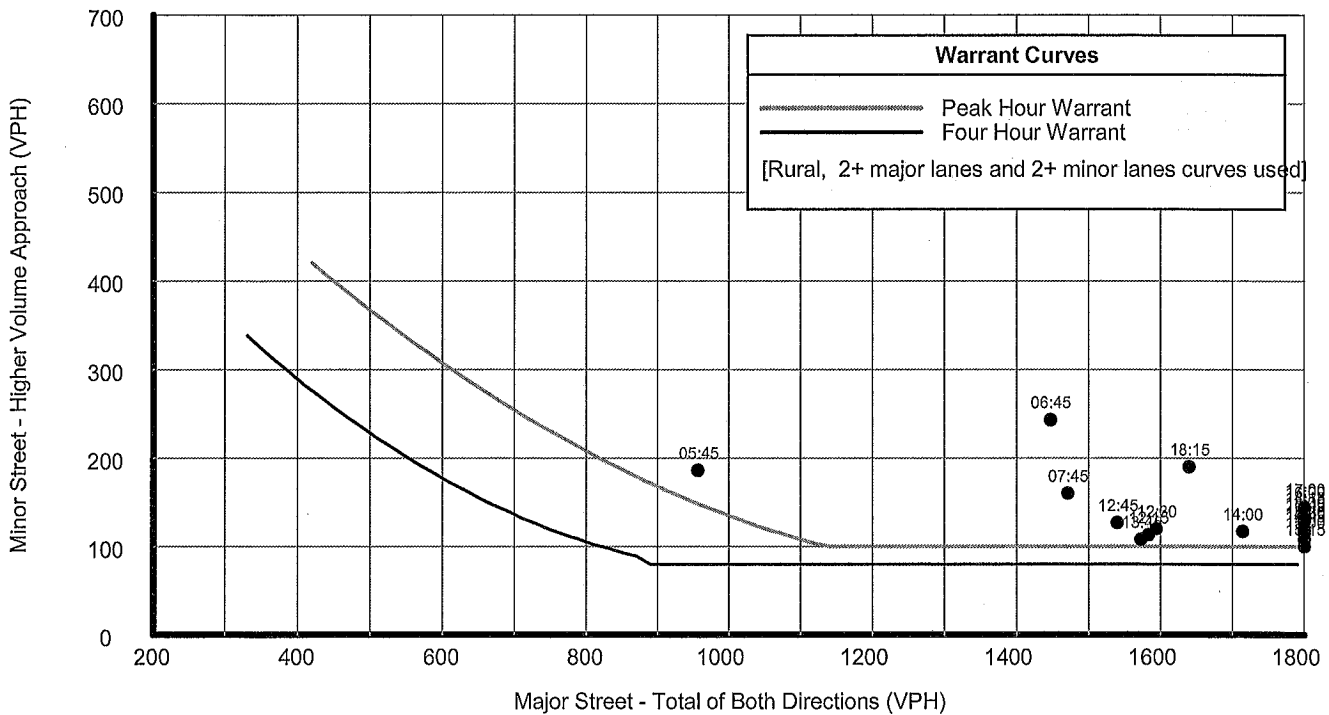
### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name : TMC 1419

Study Date : 07/24/14

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 140 | Hour Begin | Major Total | Minor Vol Dir | Maj 630 | Min 70 | Hour Begin | Major Total | Minor Vol Dir | Maj 504 | Min 112 |
|------------|-------------|---------------|---------|---------|------------|-------------|---------------|---------|--------|------------|-------------|---------------|---------|---------|
| 17:00      | 2,473       | 145 W         | Yes     | Yes     | 16:45      | 2,498       | 150 W         | Yes     | Yes    | 16:30      | 2,569       | 152 W         | Yes     | Yes     |
| 16:00      | 2,380       | 142 W         | Yes     | Yes     | 15:45      | 2,271       | 128 W         | Yes     | Yes    | 15:30      | 2,171       | 120 W         | Yes     | Yes     |
| 18:15      | 1,640       | 190 W         | Yes     | Yes     | 17:45      | 2,031       | 133 W         | Yes     | Yes    | 17:30      | 2,161       | 129 W         | Yes     | Yes     |
| 07:45      | 1,471       | 160 W         | Yes     | Yes     | 14:45      | 2,015       | 115 W         | Yes     | Yes    | 14:15      | 1,840       | 136 W         | Yes     | Yes     |
| 06:45      | 1,447       | 243 W         | Yes     | Yes     | 13:45      | 1,573       | 108 W         | Yes     | Yes    | 12:15      | 1,583       | 113 W         | Yes     | Yes     |
| 05:45      | 957         | 186 W         | Yes     | Yes     | 12:45      | 1,540       | 127 W         | Yes     | Yes    | 18:30      | 1,506       | 170 W         | Yes     | Yes     |
| 15:45      | 2,271       | 128 W         | Yes     | No      | 11:45      | 1,473       | 100 W         | Yes     | Yes    | 07:45      | 1,471       | 160 W         | Yes     | Yes     |
| 15:30      | 2,171       | 120 W         | Yes     | No      | 07:45      | 1,471       | 160 W         | Yes     | Yes    | 06:45      | 1,447       | 243 W         | Yes     | Yes     |
| 15:15      | 2,148       | 100 W         | Yes     | No      | 06:45      | 1,447       | 243 W         | Yes     | Yes    | 13:15      | 1,410       | 124 W         | Yes     | Yes     |
| 15:00      | 2,043       | 108 W         | Yes     | No      | 18:45      | 1,383       | 147 W         | Yes     | Yes    | 05:45      | 957         | 186 W         | Yes     | Yes     |
| 14:45      | 2,015       | 115 W         | Yes     | No      | 10:45      | 1,382       | 108 W         | Yes     | Yes    | 15:15      | 2,148       | 100 W         | Yes     | No      |
| 14:30      | 1,945       | 118 W         | Yes     | No      | 08:45      | 1,283       | 84 W          | Yes     | Yes    | 12:00      | 1,496       | 110 W         | Yes     | No      |
| 18:00      | 1,844       | 131 W         | Yes     | No      | 19:45      | 1,113       | 76 W          | Yes     | Yes    | 11:45      | 1,473       | 100 W         | Yes     | No      |
| 14:15      | 1,840       | 136 W         | Yes     | No      | 09:45      | 1,113       | 80 W          | Yes     | Yes    | 11:15      | 1,441       | 96 W          | Yes     | No      |
| 14:00      | 1,714       | 117 W         | Yes     | No      | 05:45      | 957         | 186 W         | Yes     | Yes    | 11:30      | 1,440       | 97 W          | Yes     | No      |
| 12:30      | 1,594       | 120 W         | Yes     | No      | 20:45      | 802         | 42 W          | Yes     | No     | 11:00      | 1,386       | 100 W         | Yes     | No      |
| 12:15      | 1,583       | 113 W         | Yes     | No      | 21:00      | 688         | 43 W          | Yes     | No     | 10:45      | 1,382       | 108 W         | Yes     | No      |
| 13:45      | 1,573       | 108 W         | Yes     | No      | 05:30      | 622         | 54 W          | No      | No     | 10:30      | 1,333       | 109 W         | Yes     | No      |
| 12:45      | 1,540       | 127 W         | Yes     | No      | 21:15      | 619         | 41 W          | No      | No     | 08:45      | 1,283       | 84 W          | Yes     | No      |
| 13:00      | 1,497       | 127 W         | Yes     | No      | 21:30      | 413         | 30 W          | No      | No     | 10:15      | 1,261       | 98 W          | Yes     | No      |
| 12:00      | 1,496       | 110 W         | Yes     | No      | 05:15      | 278         | 11 W          | No      | No     | 09:00      | 1,244       | 84 W          | Yes     | No      |
| 11:45      | 1,473       | 100 W         | Yes     | No      | 21:45      | 252         | 18 W          | No      | No     | 10:00      | 1,182       | 82 W          | Yes     | No      |
| 13:30      | 1,458       | 118 W         | Yes     | No      | 22:00      | 144         | 9 W           | No      | No     | 19:30      | 1,179       | 66 W          | Yes     | No      |
| 11:15      | 1,441       | 96 W          | Yes     | No      | 22:45      | 0           | 0 W           | No      | No     | 19:45      | 1,113       | 76 W          | Yes     | No      |



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

Study Name : TMC 1419  
Study Date : 07/24/14  
Page No. : 1

**Multi-Way Stop Warrant Report**

**Major Street Approaches**

**Northbound: CSAH 17**  
Total Approach Volume: 13,754  
85% Speed > 40 MPH.

**Southbound: CSAH 17**  
Total Approach Volume: 10,850  
85% Speed > 40 MPH.

**Minor Street Approaches**

**Westbound: I-35 W North Ramp**  
Total Approach Volume: 2,005

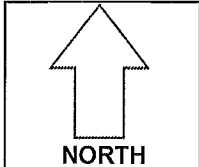
**Warrant Summary**

- 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 6 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 17 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? |
| 05:45 - 06:45 | 957         | 186         | 210-Yes | 140-Yes    | Both   | 240-Yes    | 160-Yes    | Both   |
| 06:45 - 07:45 | 1,447       | 243         | 210-Yes | 140-Yes    | Both   | 240-Yes    | 160-Yes    | Both   |
| 07:45 - 08:45 | 1,471       | 160         | 210-Yes | 140-Yes    | Both   | 240-Yes    | 160-Yes    | Both   |
| 16:00 - 17:00 | 2,380       | 142         | 210-Yes | 140-Yes    | Both   | 240-Yes    | 160-No     | Major  |
| 17:00 - 18:00 | 2,473       | 145         | 210-Yes | 140-Yes    | Both   | 240-Yes    | 160-No     | Major  |
| 18:15 - 19:15 | 1,640       | 190         | 210-Yes | 140-Yes    | Both   | 240-Yes    | 160-Yes    | Both   |
| 05:15 - 06:15 | 278         | 11          | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 05:30 - 06:30 | 622         | 54          | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 08:45 - 09:45 | 1,283       | 84          | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 09:00 - 10:00 | 1,244       | 84          | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 09:15 - 10:15 | 1,111       | 72          | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 09:30 - 10:30 | 1,072       | 69          | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 09:45 - 10:45 | 1,113       | 80          | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 10:00 - 11:00 | 1,182       | 82          | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 10:15 - 11:15 | 1,261       | 98          | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 10:30 - 11:30 | 1,333       | 109         | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 10:45 - 11:45 | 1,382       | 108         | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 11:00 - 12:00 | 1,386       | 100         | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 11:15 - 12:15 | 1,441       | 96          | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 11:30 - 12:30 | 1,440       | 97          | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 11:45 - 12:45 | 1,473       | 100         | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 12:00 - 13:00 | 1,496       | 110         | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 12:15 - 13:15 | 1,583       | 113         | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |
| 12:30 - 13:30 | 1,594       | 120         | 210-Yes | 140-No     | Major  | 240-Yes    | 160-No     | Major  |





**COUNT LOCATION:**

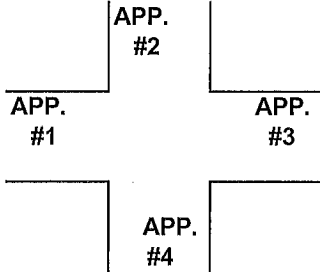
CSAH 17 (Lexington Ave.)

**DATE:**

07/16/2014

@ I-35W North Ramps

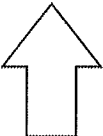
|                       |
|-----------------------|
| APP. #1 = I-35W (On)  |
| APP. #2 = CSAH 17     |
| APP. #3 = I-35W (Off) |
| APP. #4 = CSAH 17     |



- 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         |             |         |         |         |              | 9                   |    | 3            |
| 6:15-6:30           | 1           |         |         |         | 1            | 14                  |    | 2            |
| 6:30-6:45           | 2           |         |         |         | 2            | 11                  |    |              |
| 6:45-7:00           |             |         |         |         |              | 14                  |    | 1            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>3</b>     | <b>HOURLY TOTAL</b> |    | <b>54</b>    |
| 7:00-7:15           | 2           |         | 1       |         | 3            | 16                  |    | 1            |
| 7:15-7:30           | 1           |         |         |         | 1            | 14                  |    | 2            |
| 7:30-7:45           |             |         |         |         |              | 22                  |    |              |
| 7:45-8:00           | 1           |         |         |         | 1            | 14                  |    | 1            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>5</b>     | <b>HOURLY TOTAL</b> |    | <b>70</b>    |
| 8:00-8:15           |             |         |         |         |              | 10                  |    |              |
| 8:15-8:30           |             |         |         |         |              | 16                  |    | 2            |
| 8:30-8:45           | 2           |         |         |         | 2            | 17                  |    |              |
| 8:45-9:00           |             |         |         |         |              | 22                  |    | 1            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>2</b>     | <b>HOURLY TOTAL</b> |    | <b>68</b>    |
| 9:00-9:15           | 3           |         | 1       |         | 4            | 18                  |    | 1            |
| 9:15-9:30           | 2           |         |         |         | 2            | 19                  |    |              |
| 9:30-9:45           |             |         |         |         |              | 12                  |    |              |
| 9:45-10:00          |             |         |         |         |              | 12                  | 1  | 1            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>6</b>     | <b>HOURLY TOTAL</b> |    | <b>64</b>    |
| 10:00-10:15         |             |         |         |         |              | 14                  |    | 1            |
| 10:15-10:30         |             |         |         |         |              | 15                  |    |              |
| 10:30-10:45         |             |         |         |         |              | 25                  |    | 1            |
| 10:45-11:00         |             |         |         |         |              | 28                  |    | 2            |
| <b>HOURLY TOTAL</b> |             |         |         |         |              | <b>HOURLY TOTAL</b> |    | <b>86</b>    |
| 11:00-11:15         |             |         |         |         |              | 22                  |    | 1            |
| 11:15-11:30         | 1           |         |         |         | 1            | 23                  |    | 3            |
| 11:30-11:45         | 1           |         |         |         | 1            | 21                  | 1  |              |
| 11:45-12:00         |             |         |         |         |              | 20                  | 1  | 1            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>2</b>     | <b>HOURLY TOTAL</b> |    | <b>93</b>    |
| 12:00-12:15         |             |         |         |         |              | 21                  |    |              |
| 12:15-12:30         | 3           |         |         |         | 3            | 24                  |    |              |
| 12:30-12:45         | 1           |         | 1       |         | 2            | 24                  |    | 1            |
| 12:45-1:00          |             |         |         |         |              | 33                  |    | 1            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>5</b>     | <b>HOURLY TOTAL</b> |    | <b>104</b>   |
| 1:00-1:15           |             |         |         |         |              | 23                  | 1  |              |
| 1:15-1:30           | 1           |         |         |         | 1            | 20                  | 1  |              |
| 1:30-1:45           |             |         |         |         |              | 22                  | 2  |              |
| 1:45-2:00           |             |         |         |         |              | 13                  | 1  |              |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>1</b>     | <b>HOURLY TOTAL</b> |    | <b>83</b>    |
|                     |             |         |         |         | <b>TOTAL</b> | <b>24</b>           |    | <b>TOTAL</b> |
|                     |             |         |         |         |              |                     |    | <b>622</b>   |

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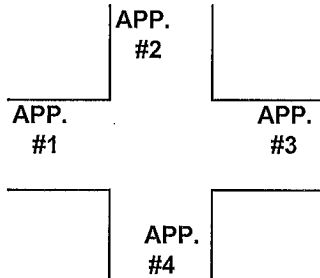


**NORTH**

**COUNT LOCATION:** CSAH 17 (Lexington Ave.)  
@ I-35W North Ramps

**DATE:** 07/14/2014

|                       |
|-----------------------|
| APP. #1 = I-35W (On)  |
| APP. #2 = CSAH 17     |
| APP. #3 = I-35W (Off) |
| APP. #4 = CSAH 17     |



- 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         | 1           |         |         |         | 1          | 19                  |    |            |
| 2:15-2:30           | 1           |         |         |         | 1          | 19                  |    | 3          |
| 2:30-2:45           | 4           |         |         |         | 4          | 18                  |    |            |
| 2:45-3:00           | 1           |         |         |         | 1          | 11                  |    |            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>7</b>   | <b>HOURLY TOTAL</b> |    | <b>70</b>  |
| 3:00-3:15           | 3           |         |         |         | 3          | 20                  |    |            |
| 3:15-3:30           |             |         |         |         |            | 21                  |    |            |
| 3:30-3:45           |             |         |         |         |            | 12                  |    |            |
| 3:45-4:00           |             |         |         |         |            | 9                   |    |            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>3</b>   | <b>HOURLY TOTAL</b> |    | <b>62</b>  |
| 4:00-4:15           |             |         |         |         |            | 14                  | 1  | 1          |
| 4:15-4:30           | 3           |         |         |         | 3          | 13                  |    |            |
| 4:30-4:45           |             |         |         |         |            | 9                   |    | 1          |
| 4:45-5:00           |             |         |         |         |            | 10                  |    |            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>3</b>   | <b>HOURLY TOTAL</b> |    | <b>49</b>  |
| 5:00-5:15           | 3           |         |         |         | 3          | 15                  |    |            |
| 5:15-5:30           |             |         |         |         |            | 11                  |    | 1          |
| 5:30-5:45           |             |         |         |         |            | 4                   |    | 1          |
| 5:45-6:00           | 1           |         |         |         | 1          | 10                  |    | 1          |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>4</b>   | <b>HOURLY TOTAL</b> |    | <b>43</b>  |
| 6:00-6:15           |             |         |         |         |            | 8                   |    | 2          |
| 6:15-6:30           |             |         |         |         |            | 5                   |    | 1          |
| 6:30-6:45           |             |         |         |         |            | 6                   |    |            |
| 6:45-7:00           | 1           |         |         |         | 1          | 3                   |    |            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>1</b>   | <b>HOURLY TOTAL</b> |    | <b>25</b>  |
| 7:00-7:15           |             |         | 3       |         | 3          | 1                   |    |            |
| 7:15-7:30           |             |         |         |         |            | 2                   |    |            |
| 7:30-7:45           | 2           |         |         |         | 2          | 2                   |    |            |
| 7:45-8:00           | 1           |         |         |         | 1          | 5                   |    |            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>6</b>   | <b>HOURLY TOTAL</b> |    | <b>10</b>  |
| 8:00-8:15           | 2           |         |         |         | 2          | 7                   |    |            |
| 8:15-8:30           |             |         |         |         |            | 2                   |    |            |
| 8:30-8:45           |             |         |         |         |            | 1                   |    | 2          |
| 8:45-9:00           |             |         |         |         |            | 3                   |    |            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>2</b>   | <b>HOURLY TOTAL</b> |    | <b>15</b>  |
| 9:00-9:15           | 1           |         |         |         | 1          | 3                   |    |            |
| 9:15-9:30           | 2           |         |         |         | 2          | 2                   |    | 1          |
| 9:30-9:45           | 1           |         |         |         | 1          | 1                   |    | 1          |
| 9:45-10:00          |             |         |         |         |            |                     |    |            |
| <b>HOURLY TOTAL</b> |             |         |         |         | <b>4</b>   | <b>HOURLY TOTAL</b> |    | <b>8</b>   |
| <b>TOTAL</b>        |             |         |         |         | <b>54</b>  | <b>TOTAL</b>        |    | <b>904</b> |

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