

2018 TRAFFIC SIGNAL PRIORITY LIST

In accordance with criteria adoped by the transportation commission and common council

|    |                                                                                                                                            | Overall<br>%<br>Below<br>Warrant | WARRANT 1-A  |          |              |          | WARRANT 1-B  |          |              |          | CRASHES                              |                                   |                        | Pedestrian<br>Warrant | Peak<br>Hour<br>Warrant A | Peak<br>Hour<br>Warrant B | 4 Hour<br>Warrant | Comments                  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------------------------------|-----------------------------------|------------------------|-----------------------|---------------------------|---------------------------|-------------------|---------------------------|
|    |                                                                                                                                            |                                  | Major Street |          | Minor Street |          | Major Street |          | Minor Street |          | # With<br>Property<br>Damage<br>Only | #<br>With<br>Personal<br>Injuries | Crash<br>Rate<br>(MEV) |                       |                           |                           |                   |                           |
|    | Location                                                                                                                                   |                                  | #<br>Hrs.    | %<br>Met | #<br>Hrs.    | %<br>Met | #<br>Hrs.    | %<br>Met | #<br>Hrs.    | %<br>Met |                                      |                                   |                        |                       |                           |                           |                   |                           |
|    | Side Street Stop Controlled Intersections Studied but Not Meeting the Minimum Numerical Requirements of either Warrant 1-A or Warrant 1-B. |                                  |              |          |              |          |              |          |              |          |                                      |                                   |                        |                       | % Met                     |                           |                   |                           |
| 1  | Commerce & Watts (D-9)                                                                                                                     | 4                                | 10           | 105      | 9            | 104      | 2            | 73       | 8+           | 214      | 1                                    | 0                                 | 0.21                   | N                     | 15%                       | Y                         | N-2 HRS           | D, E                      |
| 2  | Heartland & Old Sauk (D-9)                                                                                                                 | -11                              | 12           | 134      | 2            | 61       | 7            | 89       | 6+           | 122      | 3                                    | 0                                 | 0.45                   | N                     | -                         | Y                         | N-2 HRS           | D, E, F                   |
| 3  | Cottage Grove (CTH BB) & Thompson (D-3, 16)                                                                                                | -16                              | 13           | 154      | 0            | 44       | 6            | 92       | 3            | 92       | 1                                    | 0                                 | 0.16                   | N                     | -                         | N                         | N-3 HRS           | F                         |
| 4  | Junction and Driveway at Target (D-9)                                                                                                      | -18                              | 13           | 150      | 0            | 41       | 7            | 100      | 5+           | 82       | 1                                    | 0                                 | 0.18                   | N                     | -                         | N                         | N-2 HRS           | D E                       |
| 5  | Fordem & Sherman (D-12)                                                                                                                    | -18                              | 10           | 135      | 4            | 82       | 1            | 73       | 8+           | 194      | 1                                    | 0                                 | 0.23                   | N                     | -                         | Y                         | Y-5 HRS           | A C E                     |
| 6  | Dickinson & Williamson (D-6)                                                                                                               | -25                              | 13           | 123      | 0            | 40       | 9            | 94       | 0            | 81       | 2                                    | 0                                 | 0.29                   | N                     | -                         | N                         | N-0 HRS           | A, D, E                   |
| 7  | Butler & Gorham (D-2)                                                                                                                      | -25                              | 14           | 106      | 0            | 48       | 11           | 112      | 1            | 95       | 2                                    | 0                                 | 0.26                   | N                     | -                         | N                         | N-1 HRS           | B                         |
| 8  | Franklin & Johnson (D-2)                                                                                                                   | -25                              | 15           | 321      | 0            | 29       | 12           | 214      | 0            | 75       | 0                                    | 3                                 | 0.34                   | N                     | -                         | N                         | N-0 HRS           | E                         |
| 9  | Gammon & McKenna & New Washburn (D-1)                                                                                                      | -26                              | 17           | 260      | 0            | 34       | 16           | 173      | 3+           | 74       | 3                                    | 1                                 | 0.53                   | N                     | -                         | N                         | N-0 HRS           | C, D, E, F                |
| 10 | Packers & Scott (D-12)                                                                                                                     | -29                              | 14           | 256      | 0            | 38       | 11           | 144      | 0            | 71       | 0                                    | 1                                 | 0.14                   | N                     | -                         | N                         | N-0 HRS           | B, C, D, E                |
| 11 | Blount & Williamson (D-6)                                                                                                                  | -31                              | 15           | 243      | 0            | 35       | 14           | 162      | 2            | 69       | 1                                    | 1                                 | 0.27                   | N                     | -                         | Y                         | N-3 HRS           | A, C, D, E, F             |
| 12 | Prairie & Raymond (D-20)                                                                                                                   | -32                              | 15           | 115      | 1            | 37       | 9            | 106      | 2            | 68       | 1                                    | 1                                 | 0.13                   | N                     | 52%                       | Y                         | N-2 HRS           | D, F                      |
| 13 | Schroeder & Struck (D-19, 20)                                                                                                              | -33                              | 6            | 117      | 2+           | 64       | 1            | 67       | 6+           | 157      | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-2 HRS           | D, F                      |
| 14 | Cottage Grove & Ellen (D-3, 16)                                                                                                            | -38                              | 14           | 164      | 0            | 31       | 10           | 109      | 1            | 62       | 1                                    | 2                                 | 0.43                   | N                     | -                         | N                         | Y-4 HRS           | D E                       |
| 15 | Bedford & North Shore (D-4)                                                                                                                | -38                              | 15           | 173      | 0            | 31       | 12           | 115      | 1            | 62       | 3                                    | 4                                 | 0.85                   | N                     | -                         | N                         | N-0 HRS           | D E                       |
| 16 | Mesta & Thompson (D-15, 17)                                                                                                                | -40                              | 10           | 105      | 0            | 33       | 5            | 84       | 0            | 76       | 1                                    | 2                                 | 0.57                   | N                     | -                         | N                         | N-0 HRS           | F                         |
| 17 | Packers & Sixth (D-12)                                                                                                                     | -40                              | 16           | 350      | 0            | 30       | 14           | 233      | 1            | 60       | 0                                    | 2                                 | 0.21                   | N                     | -                         | N                         | N-0 HRS           | E                         |
| 18 | Edgewood & Monroe (D-13)                                                                                                                   | -41                              | 15           | 218      | 0            | 31       | 10           | 92       | 0            | 67       | 1                                    | 0                                 | 0.15                   | N                     | -                         | N                         | N-0 HRS           | A B C E F                 |
| 19 | Commercial & North (D-12)                                                                                                                  | -41                              | 0            | 59       | 5+           | 113      | 0            | 33       | 8+           | 239      | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           | D                         |
| 20 | Henry & West Washington (D-4)                                                                                                              | -42                              | 10           | 109      | 0            | 34       | 4            | 82       | 2            | 76       | 2                                    | 2                                 | 0.88                   | N                     | -                         | N                         | N-0 HRS           | A, B, D, E, F             |
| 21 | Doty & Pickney (D-4)                                                                                                                       | -43                              | 12           | 142      | 0            | 32       | 6            | 80       | 1            | 77       | 3                                    | 0                                 | 0.66                   | N                     | -                         | N                         | N-0 HRS           | A E<br>B E<br>A E F       |
| 22 | Old Middleton & Rosa (D-11, 19)                                                                                                            | -44                              | 11           | 110      | 2            | 56       | 5            | 73       | 6+           | 42       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-2 HRS           |                           |
| 23 | Atwood, Miller & Waubesa (D-6)                                                                                                             | -44                              | 16           | 241      | 0            | 28       | 12           | 161      | 0            | 56       | 0                                    | 1                                 | 0.14                   | N                     | -                         | N                         | N-0 HRS           |                           |
| 24 | Northport & School (D-18)                                                                                                                  | -46                              | 15           | 335      | 0            | 27       | 14           | 223      | 1            | 54       | 4                                    | 1                                 | 0.45                   | N                     | -                         | N                         | N-0 HRS           |                           |
| 25 | Appleton & Fish Hatchery (D-13)                                                                                                            | -47                              | 15           | 186      | 0            | 27       | 13           | 127      | 0            | 53       | 3                                    | 1                                 | 0.85                   | N                     | -                         | N                         | N-0 HRS           |                           |
| 26 | Odana & Medical Circle (D-19)                                                                                                              | -48                              | 14           | 220      | 0            | 26       | 11           | 147      | 0            | 52       | 1                                    | 0                                 | 0.37                   | N                     | -                         | N                         | N-0 HRS           | D                         |
| 27 | McKenna & Morraine View (D-1)                                                                                                              | -48                              | 15           | 186      | 0            | 26       | 12           | 124      | 0            | 52       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           | E<br>Y-8 HRS<br>A E       |
| 28 | Lien & Thierer (D-17)                                                                                                                      | -49                              | 2            | 82       | 2            | 69       | 0            | 49       | 8+           | 162      | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           |                           |
| 29 | Elderberry & Junction (D-9)                                                                                                                | -50                              | 13           | 191      | 0            | 26       | 11           | 95       | 0            | 55       | 0                                    | 0                                 | 0                      | N                     | -                         | Y                         | Y-8 HRS           |                           |
| 30 | Dicklnson & East Washington (D-2, 6)                                                                                                       | -50                              | 19           | 601      | 0            | 25       | 17           | 400      | 0            | 50       | 3                                    | 2                                 | 0.25                   | N                     | -                         | Y                         | N-2 HRS           |                           |
| 31 | Gammon, Longmeadow & Stonefield (D-19)                                                                                                     | -51                              | 12           | 165      | 0            | 29       | 2            | 115      | 0            | 49       | 1                                    | 0                                 | 0.20                   | N                     | -                         | N                         | N-0 HRS           | D E                       |
| 32 | Milwaukee - Walbridge (D-3, 15)                                                                                                            | -52                              | 15           | 233      | 0            | 24       | 9            | 109      | 0            | 48       | 2                                    | 0                                 | 0.25                   | N                     | 31%                       | N                         | N-0 HRS           | D, E                      |
| 33 | Ray-O-Vac & Schroeder (D-19, 20)                                                                                                           | -52                              | 7            | 93       | 0            | 43       | 1            | 62       | 4            | 86       | 1                                    | 1                                 | 0.43                   | N                     | -                         | N                         | N-0 HRS           | D, E, F                   |
| 34 | Milwaukee & Waubesa (D-6)                                                                                                                  | -52                              | 6            | 91       | 0            | 41       | 0            | 54       | 5            | 94       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           |                           |
| 35 | Packers & Schlimgen (D-12)                                                                                                                 | -53                              | 20           | 409      | 0            | 24       | 19           | 273      | 1+           | 47       | 1                                    | 1                                 | 0.12                   | N                     | 10%                       | N                         | N-0 HRS           |                           |
| 36 | Broom & Dayton (D-4)                                                                                                                       | -53                              | 7            | 92       | 0            | 41       | 0            | 59       | 2            | 88       | 4                                    | 1                                 | 0.94                   | N                     | -                         | N                         | N-0 HRS           | E<br>E<br>N-0 HRS<br>C, D |
| 37 | Milwaukee & Schenk (D-15)                                                                                                                  | -53                              | 14           | 170      | 0            | 24       | 11           | 113      | 4            | 47       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-1 HRS           |                           |
| 38 | Carroll & Doty (D-4)                                                                                                                       | -53                              | 12           | 135      | 0            | 25       | 5            | 102      | 3            | 47       | 1                                    | 0                                 | 2.20                   | N                     | -                         | Y                         | N-3 HRS           |                           |
| 39 | Sherman & Trailsway (D-12)                                                                                                                 | -53                              | 11           | 151      | 0            | 31       | 3            | 82       | 0            | 65       | 1                                    | 0                                 | 0.25                   | N                     | -                         | N                         | N-0 HRS           |                           |
| 40 | Elderberry & Pleasant View (D-9)                                                                                                           | -54                              | 10           | 92       | 0            | 42       | 4            | 62       | 3            | 84       | 2                                    | 0                                 | 0.39                   | N                     | -                         | N                         | N-1 HRS           | E<br>D                    |
| 41 | Bassett & Dayton (D-4)                                                                                                                     | -54                              | 2            | 84       | 0            | 44       | 0            | 58       | 6+           | 88       | 2                                    | 1                                 | 0.69                   | N                     | -                         | N                         | N-1 HRS           |                           |
| 42 | Struck St. & Watts Rd. (D-19)                                                                                                              | -54                              | 1            | 56       | 4            | 90       | 0            | 35       | 8+           | 217      | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           | D                         |

|    | Location                                       | Overall %<br><br>Below Warrant | WARRANT 1-A  |       |              |       | WARRANT 1-B  |       |              |       | CRASHES                     |                          |                  | Pedestrian Warrant | Peak Hour Warrant A | Peak Hour Warrant B | 4 Hour Warrant | Comments      |
|----|------------------------------------------------|--------------------------------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|-----------------------------|--------------------------|------------------|--------------------|---------------------|---------------------|----------------|---------------|
|    |                                                |                                | Major Street |       | Minor Street |       | Major Street |       | Minor Street |       | # With Property Damage Only | # With Personal Injuries | Crash Rate (MEV) |                    |                     |                     |                |               |
|    |                                                |                                | # Hrs.       | % Met | # Hrs.       | % Met | # Hrs.       | % Met | # Hrs.       | % Met |                             |                          |                  |                    |                     |                     |                |               |
| 43 | Carroll & Dayton (D-4)                         | -56                            | 5            | 95    | 0            | 39    | 0            | 90    | 4+           | 54    | 1                           | 0                        | 0.29             | N                  | -                   | N                   | N-0 HRS        | E F           |
| 44 | Milwaukee-Wittwer (D-3, 15)                    | -57                            | 14           | 183   | 0            | 22    | 9            | 122   | 2            | 43    | 0                           | 0                        | 0                | N                  | 5%                  | N                   | N-0 HRS        |               |
| 45 | Marquette & Milwaukee (D-6)                    | -57                            | 13           | 162   | 0            | 23    | 7            | 123   | 0            | 41    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        | F             |
| 46 | Milwaukee & Oak (D-6)                          | -59                            | 6            | 91    | 0            | 41    | 0            | 60    | 0            | 81    | 0                           | 0                        | 0                | N                  | 24%                 | N                   | N-0 HRS        | F             |
| 47 | Main & Proudfit (D-4)                          | -61                            | 15           | 174   | 0            | 19    | 12           | 116   | 0            | 39    | 1                           | 0                        | 0.12             | N                  | -                   | N                   | N-0 HRS        | A, D, E, F    |
| 48 | Knickerbocker & Monroe (D-13)                  | -61                            | 14           | 289   | 0            | 19    | 12           | 192   | 0            | 39    | 4                           | 1                        | 0.61             | N                  | -                   | N                   | N-0 HRS        | A D E         |
| 49 | Odana Lane & Odana Rd (D-10)                   | -61                            | 14           | 149   | 0            | 20    | 11           | 99    | 0            | 40    | 1                           | 0                        | 0.22             | N                  | -                   | N                   | N-0 HRS        |               |
| 50 | Packers Ave. & Tennyson Ln. (D-12)             | -61                            | 14           | 162   | 0            | 19    | 11           | 108   | 0            | 39    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        | D, E, F       |
| 51 | Monona (CTH BB), Panther & Tompkins (D-16)     | -62                            | 15           | 294   | 0            | 21    | 14           | 175   | 0            | 38    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        | A B E F       |
| 52 | Atwood - Sugar - Oakridge (D-6)                | -63                            | 14           | 151   | 0            | 19    | 12           | 101   | 0            | 37    | 0                           | 0                        | 0                | N                  | 5%                  | N                   | N-0 HRS        |               |
| 53 | Knutson-Northport (D-18)                       | -64                            | 13           | 197   | 0            | 18    | 13           | 131   | 0            | 36    | 0                           | 1                        | 0.10             | N                  | -                   | N                   | N-0 HRS        | E F           |
| 54 | Few & Williamson (D-6)                         | -64                            | 15           | 181   | 0            | 20    | 10           | 89    | 0            | 47    | 2                           | 1                        | 0.47             | N                  | -                   | N                   | N-0 HRS        | A E           |
| 55 | East Park Blvd & East Terrace Dr (D-17)        | -64                            | 4            | 54    | 3            | 69    | 0            | 36    | 6+           | 137   | 1                           | 0                        | 0.23             | N                  | -                   | N                   | N-0 HRS        | D F           |
| 56 | Marsh & Siggelkow (D-16)                       | -64                            | 3            | 67    | 2            | 43    | 0            | 40    | 6+           | 96    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-1 HRS        | D             |
| 57 | Carver & Fish Hatchery (CTH D) (D-14)          | -65                            | 17           | 270   | 0            | 18    | 14           | 180   | 0            | 35    | 0                           | 0                        | 0                | N                  | 12%                 | N                   | N-0 HRS        | D             |
| 58 | Raymond Rd & S. Gammon Rd (D-7)                | -65                            | 2            | 55    | 2            | 74    | 0            | 35    | 8+           | 167   | 3                           | 2                        | 1.60             | N                  | -                   | N                   | N-1 HRS        | A, B, C, D, E |
| 59 | Odana & West Platte (D-19)                     | -68                            | 14           | 214   | 0            | 16    | 11           | 142   | 0            | 32    | 6                           | 0                        | 0.58             | N                  | -                   | N                   | N-0 HRS        | A B D E F     |
| 60 | Fairchild & Mifflin (D-4)                      | -68                            | 7            | 98    | 0            | 34    | 0            | 65    | 3            | 67    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        |               |
| 61 | Big Sky, Mineral Point & Tree (D-9)            | -68                            | 16           | 400   | 0            | 16    | 16           | 267   | 0            | 32    | 6                           | 2                        | 0.71             | N                  | -                   | N                   | N-0 HRS        | A C E F       |
| 62 | Cottage Grove (CTH BB) & Mc Lean (D-3, 16)     | -69                            | 11           | 109   | 0            | 29    | 5            | 73    | 0            | 58    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        |               |
| 63 | Gorham & Henry (D-2, 4)                        | -69                            | 16           | 229   | 0            | 16    | 15           | 153   | 0            | 31    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        | E             |
| 64 | Bedford & Main (D-4)                           | -69                            | 0            | 57    | 0            | 55    | 0            | 31    | +5           | 127   | 1                           | 0                        | 0.42             | N                  | -                   | N                   | N-0 HRS        |               |
| 65 | Blackhawk, Erdman & University (CTH MS) (D-11) | -70                            | 18           | 403   | 0            | 15    | 16           | 234   | 0            | 30    | 3                           | 0                        | 0.15             | N                  | -                   | N                   | N-0 HRS        | A D E F       |
| 66 | Raymond Rd & Muir Field (D-1, D-7)             | -71                            | 2            | 55    | 2            | 59    | 0            | 29    | 6+           | 144   | 1                           | 0                        | 0.28             | N                  | -                   | N                   | N-1 HRS        | A, B, C, D, E |
| 67 | Badger & Cypress (D-14)                        | -72                            | 1            | 90    | 0            | 33    | 0            | 49    | 3+           | 79    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        |               |
| 68 | Mandrake & Northport (D-18)                    | -73                            | 16           | 204   | 0            | 14    | 15           | 136   | 0            | 27    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        |               |
| 69 | Gilbert & Whitney (D-10, 20)                   | -73                            | 16           | 192   | 0            | 13    | 12           | 128   | 0            | 27    | 0                           | 2                        | 0.22             | N                  | -                   | N                   | N-0 HRS        | A D E F       |
| 70 | Mineral Point & Owens (D-11)                   | -74                            | 14           | 115   | 0            | 14    | 12           | 134   | 0            | 26    | 1                           | 0                        | 0.17             | N                  | -                   | N                   | N-0 HRS        | ABE           |
| 71 | American Parkway & Tancho (D-17)               | -76                            | 6            | 96    | 0            | 28    | 1            | 55    | 1            | 69    | 2                           | 0                        | 0.49             | N                  | -                   | N                   | N-0 HRS        | D E F         |
| 72 | MLK Jr. & Wilson (D-4)                         | -76                            | 4            | 69    | 0            | 39    | 0            | 46    | 4            | 78    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        |               |
| 73 | Gammon , Ponwood & Sawmill (D-19)              | -77                            | 13           | 137   | 0            | 16    | 7            | 91    | 0            | 32    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        |               |
| 74 | Aberg & Huxley (D-12)                          | -78                            | 9            | 107   | 0            | 22    | 1            | 79    | 2            | 40    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        | F             |
| 75 | Kelab & Segoe (D-11)                           | -79                            | 8            | 99    | 0            | 22    | 0            | 66    | 0            | 44    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        | E F           |
| 76 | Eau Claire & Old Middleton (D-11, 19)          | -79                            | 13           | 122   | 0            | 16    | 6            | 80    | 0            | 41    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        |               |
| 77 | Blue Ridge & Old Sauk (D-19)                   | -80                            | 9            | 161   | 0            | 20    | 2            | 70    | 0            | 42    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        |               |
| 78 | East Pass, Maple Grove & Westin (D-7)          | -82                            | 4            | 80    | 0            | 33    | 2            | 53    | 2            | 65    | 1                           | 0                        | 0.22             | N                  | -                   | N                   | N-0 HRS        |               |
| 79 | McKenna & Pilgrim (D-1, 20)                    | -82                            | 6            | 82    | 0            | 36    | 2            | 64    | 1            | 49    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        |               |
| 80 | Gammon & Farmington Way (D-9, 19)              | -82                            | 14           | 220   | 0            | 11    | 10           | 122   | 0            | 18    | 0                           | 0                        | 0                | N                  | -                   | N                   | N-0 HRS        |               |
| 81 | Johnson & Sixth (D-12)                         | -83                            | 0            | 75    | 0            | 34    | 0            | 51    | 0            | 66    | 3                           | 0                        | 1.09             | N                  | -                   | N                   | N-0 HRS        |               |
| 82 | Commercial & Mesta (D-3, 15, 17)               | -83                            | 5            | 88    | 0            | 29    | 0            | 59    | 0            | 57    | 1                           | 0                        | 0.29             | N                  | -                   | N                   | N-0 HRS        |               |

|     | Location                                     | Overall<br>%<br>Below<br>Warrant | WARRANT 1-A  |          |              |          | WARRANT 1-B  |          |              |          | CRASHES                              |                                   |                        | Pedestrian<br>Warrant | Peak<br>Hour<br>Warrant A | Peak<br>Hour<br>Warrant B | 4 Hour<br>Warrant | Comments     |
|-----|----------------------------------------------|----------------------------------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------------------------------|-----------------------------------|------------------------|-----------------------|---------------------------|---------------------------|-------------------|--------------|
|     |                                              |                                  | Major Street |          | Minor Street |          | Major Street |          | Minor Street |          | # With<br>Property<br>Damage<br>Only | #<br>With<br>Personal<br>Injuries | Crash<br>Rate<br>(MEV) |                       |                           |                           |                   |              |
|     |                                              |                                  | #<br>Hrs.    | %<br>Met | #<br>Hrs.    | %<br>Met | #<br>Hrs.    | %<br>Met | #<br>Hrs.    | %<br>Met |                                      |                                   |                        |                       |                           |                           |                   |              |
| 83  | Hancock & Johnson                            | -84                              | 15           | 0        | 0            | 0        | 13           | 97       | 0            | 13       | 1                                    | 0                                 | 0.12                   | N                     | -                         | N                         | N-0 HRS           |              |
| 84  | Mineral Point & Westmorland (D-11)           | -85                              | 14           | 171      | 0            | 8        | 12           | 114      | 0            | 15       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           | F            |
| 85  | Milwaukee & Swanton (D-3, 15)                | -85                              | 10           | 108      | 0            | 15       | 2            | 72       | 0            | 31       | 3                                    | 0                                 | 0.51                   | N                     | -                         | N                         | N-0 HRS           | A E F        |
| 86  | Hammersley & McKenna (D-1, 20)               | -85                              | 11           | 153      | 0            | 7        | 8            | 102      | 0            | 15       | 0                                    | 0                                 | 0                      | N                     | 20%                       | N                         | N-0 HRS           | F            |
| 87  | New Washburn & South High Point (D-1)        | -86                              | 12           | 117      | 0            | 14       | 6            | 90       | 0            | 20       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           | D, E         |
| 88  | Roth & Sherman (D-12)                        | -86                              | 14           | 121      | 0            | 7        | 11           | 107      | 0            | 14       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           | F            |
| 89  | Cottage Grove & McClellan (CTH BB) (D-3, 16) | -88                              | 6            | 94       | 0            | 18       | 2            | 65       | 0            | 29       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           |              |
| 90  | Regent & Roby (D-5)                          | -88                              | 13           | 190      | 0            | 7        | 8            | 106      | 0            | 12       | 3                                    | 0                                 | 0.43                   | N                     | -                         | N                         | N-0 HRS           |              |
| 91  | Corporate Dr & Blettner (D-15)               | -95                              | 3            | 68       | 0            | 30       | 0            | 45       | 3            | 60       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           | C, D, E<br>D |
| 92  | Odana & Segoe (D-10)                         | -95                              | 12           | 103      | 0            | 5        | 5            | 83       | 0            | 16       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           |              |
| 93  | Buckeye (CTH AB) & Thompson (D-16)           | -104                             | 3            | 72       | 0            | 24       | 0            | 48       | 2            | 47       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           |              |
| 94  | Gilman & Wisconsin (D-2)                     | -110                             | 0            | 44       | 0            | 31       | 0            | 29       | 2            | 61       | 1                                    | 0                                 | 0.35                   | N                     | -                         | N                         | N-0 HRS           |              |
| 95  | Hoepker Rd & Manufacturers (D-17)            | -116                             | 3            | 61       | 0            | 21       | 0            | 41       | 1            | 43       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           |              |
| 96  | Hickory & Olin (D-13)                        | -117                             | 1            | 71       | 0            | 12       | 0            | 44       | 0            | 25       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           |              |
| 97  | Marston & Sherman (D-2)                      | -122                             | 3            | 67       | 0            | 11       | 0            | 41       | 0            | 25       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           |              |
| 98  | Jeffy & Midtown (D-1)                        | -127                             | 1            | 59       | 0            | 14       | 0            | 40       | 0            | 27       | 2                                    | 0                                 | 0.96                   | N                     | -                         | N                         | N-0 HRS           |              |
| 99  | Midtown, Hawks Landing & Hawks Ridge (D-1)   | -129                             | 0            | 47       | 0            | 20       | 0            | 29       | 0            | 42       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           |              |
| 100 | Mayfield & Sherman (D-12, 18)                | -132                             | 1            | 64       | 0            | 4        | 0            | 40       | 0            | 13       | 0                                    | 0                                 | 0                      | N                     | -                         | N                         | N-0 HRS           |              |

|                                                                                                                       | ALL-WAY STOP INTERSECTIONS STUDIED                   |     |    |     |    |     |    |     |    |     |   |   |      |   |     |   |         |     |
|-----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----|----|-----|----|-----|----|-----|----|-----|---|---|------|---|-----|---|---------|-----|
| 1                                                                                                                     | Highland, Regent & Speedway (D-5, 13)                | 27  | 13 | 141 | 11 | 127 | 5  | 94  | 16 | 254 | 1 | 0 | 0.14 | N | -   | Y | Y-9 HRS | B C |
| 2                                                                                                                     | Swanton & Thompson (D-3, 15)                         | -22 | 2  | 78  | 8+ | 153 | 0  | 52  | 8+ | 307 | 0 | 0 | 0    | N | -   | Y | Y-4 HRS | C   |
| 3                                                                                                                     | Agriculture & Femrite (D-16)                         | -27 | 7  | 106 | 2  | 73  | 0  | 64  | 8+ | 162 | 2 | 0 | 0.34 | N | 31% | N | N-0 HRS |     |
| 4                                                                                                                     | Milwaukee-Sprecher (D-3)                             | -32 | 8  | 118 | 3  | 61  | 3  | 68  | 8+ | 109 | 4 | 1 | 0.94 | N | -   | N | N-3 HRS |     |
| 5                                                                                                                     | American Pkwy, Hoepker & Rattman (D-17)              | -34 | 2  | 66  | 8+ | 100 | 0  | 44  | 8+ | 200 | 1 | 0 | 0.20 | N | -   | N | N-1 HRS | F   |
| 6                                                                                                                     | Old Middleton & Old Sauk (D-11, 19)                  | -34 | 4  | 89  | 2  | 77  | 1  | 59  | 8+ | 154 | 0 | 1 | 0.19 | N | -   | N | Y-4 HRS | B F |
| 7                                                                                                                     | Buckeye (AB) & Vondron (D-16)                        | -50 | 5  | 70  | 3  | 70  | 0  | 50  | 7+ | 124 | 1 | 1 | 0.43 | N | -   | N | N-0 HRS |     |
| 8                                                                                                                     | High Point & Midtown (D-1)                           | -54 | 0  | 48  | 6+ | 98  | 0  | 33  | 7+ | 217 | 2 | 1 | 0.66 | N | -   | Y | N-1 HRS |     |
| 9                                                                                                                     | Cross Country Rd - Maple Grove Dr - Nesbitt Rd (D-7) | -55 | 4  | 66  | 7  | 79  | 0  | 44  | 8+ | 157 | 1 | 0 | 0.21 | N | -   | N | N-3 HRS |     |
| 10                                                                                                                    | Commercial & Nakoosa (D-15)                          | -78 | 0  | 33  | 0  | 55  | 0  | 22  | 7+ | 110 | 0 | 0 | 0    | N | -   | N | N-0 HRS |     |
| TWO-WAY STOP INTERSECTIONS STUDIED AND MEETING THE MINIMUM NUMERAL REQUIREMENTS OF EITHER WARRANT 1-A OR WARRANT 1-B. |                                                      |     |    |     |    |     |    |     |    |     |   |   |      |   |     |   |         |     |
| 1                                                                                                                     | Carroll & Gorham (D-2, 4)                            | -3  | 16 | 178 | 0  | 51  | 11 | 162 | 8  | 97  | 5 | 0 | 0.54 | N | -   | N | N-0 HRS | E F |

Warrant 1-A: Eight-Hour Vehicular Volume: Condition A-Minimum Vehicular Volume

Warrant 1-B: Eight0Hour Vehicular Volume: Condition B-Interruption of Continuous Traffic

Y=Yes N=No

Accident Rate: Number of accidents "preventable" with traffic signals per million entering vehicles.

Peak Hour Warrant A: Total vehicle hours of delay is listed for intersections where delay data was collected.

4-Hour Warrant: Number of hours shown are those that exceed the volume thresholds.

The intersections that do not meet the minimum numerical Warrant are listed in order of "closeness" to meeting either Warrant 1-A or Warrant 1-B.

Both the Major and Minor street volumes must meet 100% of the minimum Warrant in order to be classified as "meeting the minimum numerical Warrant."

**Key to Comments:**

A = Signal coordination problems

B = Geometric problems

C = Intersection reconstruction needs to be considered.

D = Part of cost could be assessed to benefitting property owners.

E = Coordination with adjacent signals is necessary.

F = "Side Street" volumes adjusted for high right-turn percentage.