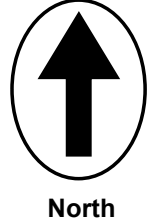
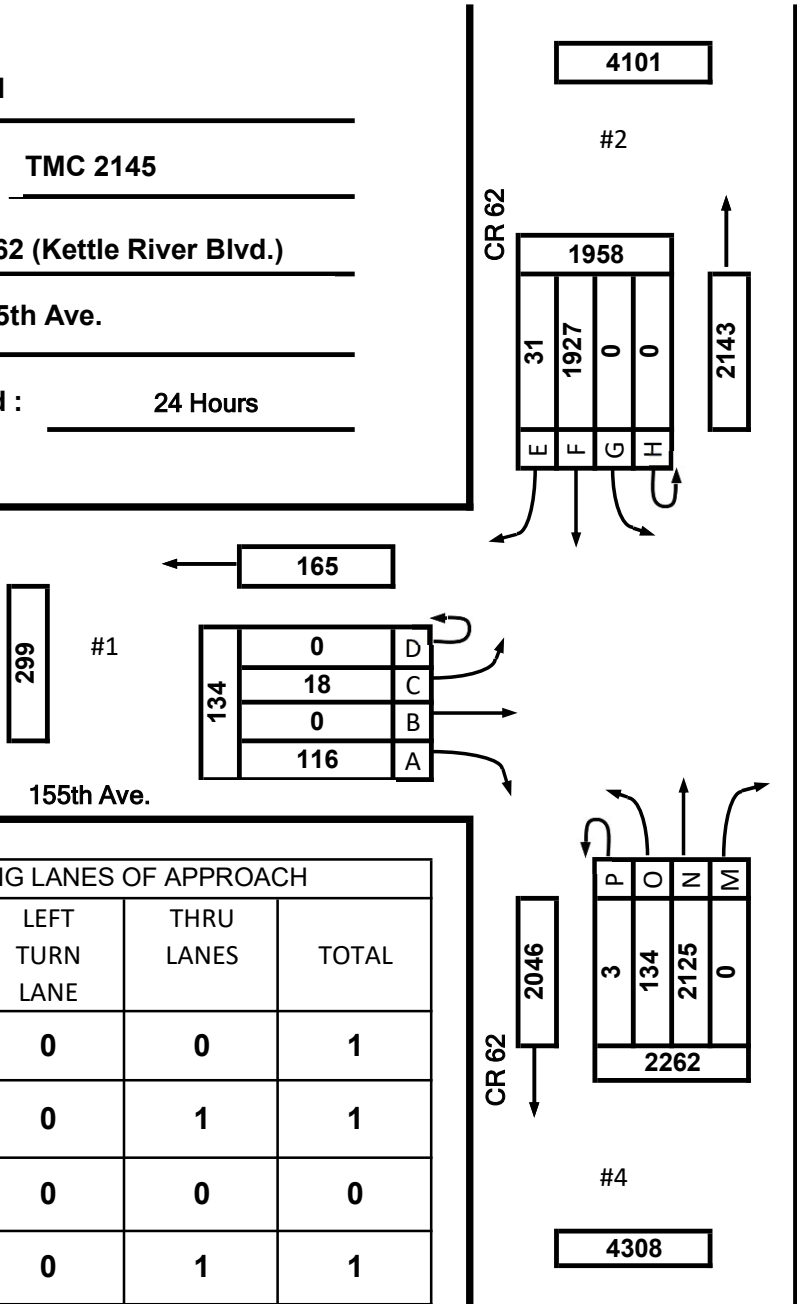


Date : 10/12/21

Count Number : TMC 2145

Location : CR 62 (Kettle River Blvd.)  
@ 155th Ave.

Collection Period : 24 Hours



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

Anoka County Highway Department  
 Traffic Volume and Turning Movement Study

Date : 10/12/21

Count Number : TMC 2145

Location : CR 62 (Kettle River Blvd.)  
@ 155th Ave.

Collection Period : 7:00 - 8:00 AM

AM PEAK

39

#1

155th Ave.

|    |   |
|----|---|
| 0  | D |
| 0  | C |
| 0  | B |
| 27 | A |

12

314

#2

CR 62

|   |     |   |   |
|---|-----|---|---|
| 2 | 228 | 0 | 0 |
| E | F   | G | H |

230

84

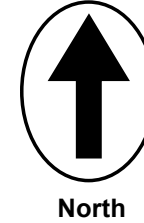
255

CR 62

|    |    |    |   |
|----|----|----|---|
| 0  | 10 | 84 | 0 |
| P  | O  | N  | M |
| 94 |    |    |   |

#4

349



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

Anoka County Highway Department

Traffic Volume and Turning Movement Study

Date : 10/12/21

Count Number : TMC 2145

Location : CR 62 (Kettle River Blvd.)  
@ 155th Ave.

Collection Period : 4:30 - 5:30 PM

PM PEAK

23

#1

|   |   |
|---|---|
| 0 | D |
| 1 | C |
| 0 | B |
| 6 | A |

155th Ave.

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

466

#2

|     |     |   |   |
|-----|-----|---|---|
| 135 |     |   |   |
| 2   | 133 | 0 | 0 |
| E   | F   | G | H |

CR 62

331

16

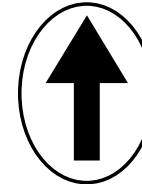
139

CR 62

|     |    |     |   |
|-----|----|-----|---|
| P   | O  | N   | M |
| 0   | 14 | 330 | 0 |
| 344 |    |     |   |

#4

483



North

Anoka County Highway Department

Traffic Volume and Turning Movement Study

**TMC 2145**  
**Columbus, MN**  
**Tuesday, October 12, 2021**

| Time         | Southbound<br>CR 62 |            |                     |                |                        |                              | Westbound<br>0 |            |                     |                |                        |                              | Northbound<br>CR 62 |            |                     |                |                        |                              | Eastbound<br>155th Ave. |            |                     |                |                        |                              | VEHICLE<br>TOTAL |
|--------------|---------------------|------------|---------------------|----------------|------------------------|------------------------------|----------------|------------|---------------------|----------------|------------------------|------------------------------|---------------------|------------|---------------------|----------------|------------------------|------------------------------|-------------------------|------------|---------------------|----------------|------------------------|------------------------------|------------------|
|              | U Turns             | Left Turns | Straight<br>Through | Right<br>Turns | Crosswalk<br>Crossings | Vehicle<br>Approach<br>Total | U Turns        | Left Turns | Straight<br>Through | Right<br>Turns | Crosswalk<br>Crossings | Vehicle<br>Approach<br>Total | U Turns             | Left Turns | Straight<br>Through | Right<br>Turns | Crosswalk<br>Crossings | Vehicle<br>Approach<br>Total | U Turns                 | Left Turns | Straight<br>Through | Right<br>Turns | Crosswalk<br>Crossings | Vehicle<br>Approach<br>Total |                  |
| 12:00 AM     | 0                   | 0          | 1                   | 0              | 0                      | 1                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 1                   | 0              | 0                      | 0                            | 1                       | 0          | 0                   | 0              | 1                      | 3                            |                  |
| 12:15 AM     | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 2                   | 0              | 0                      | 0                            | 2                       | 0          | 0                   | 0              | 0                      | 2                            |                  |
| 12:30 AM     | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0                       | 0          | 0                   | 0              | 0                      | 0                            |                  |
| 12:45 AM     | 0                   | 0          | 1                   | 0              | 0                      | 1                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 2                   | 0              | 0                      | 0                            | 2                       | 0          | 0                   | 0              | 0                      | 3                            |                  |
| Hourly Total | 0                   | 0          | 2                   | 0              | 0                      | 2                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 5                   | 0              | 0                      | 0                            | 5                       | 0          | 0                   | 0              | 1                      | 0                            | 8                |
| 1:00 AM      | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 1                   | 0              | 0                      | 0                            | 1                       | 0          | 0                   | 0              | 0                      | 0                            | 1                |
| 1:15 AM      | 0                   | 0          | 2                   | 1              | 0                      | 3                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 1                   | 0              | 0                      | 0                            | 1                       | 0          | 0                   | 0              | 0                      | 0                            | 4                |
| 1:30 AM      | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 1                   | 0              | 0                      | 0                            | 1                       | 0          | 0                   | 0              | 0                      | 0                            | 1                |
| 1:45 AM      | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 2                   | 0              | 0                      | 0                            | 3                       | 0          | 0                   | 0              | 0                      | 0                            | 3                |
| Hourly Total | 0                   | 0          | 2                   | 1              | 0                      | 3                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 5                   | 0              | 0                      | 0                            | 6                       | 0          | 0                   | 0              | 0                      | 0                            | 9                |
| 2:00 AM      | 0                   | 0          | 3                   | 0              | 0                      | 3                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 1                   | 0              | 0                      | 0                            | 1                       | 0          | 0                   | 0              | 0                      | 0                            | 4                |
| 2:15 AM      | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 1                   | 0              | 0                      | 0                            | 1                       | 0          | 0                   | 0              | 0                      | 0                            | 1                |
| 2:30 AM      | 0                   | 0          | 1                   | 0              | 0                      | 1                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0                       | 0          | 0                   | 0              | 0                      | 0                            | 1                |
| 2:45 AM      | 0                   | 0          | 1                   | 0              | 0                      | 1                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0                       | 0          | 0                   | 0              | 0                      | 0                            | 1                |
| Hourly Total | 0                   | 0          | 5                   | 0              | 0                      | 5                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 2                   | 0              | 0                      | 0                            | 2                       | 0          | 0                   | 0              | 0                      | 0                            | 7                |
| 3:00 AM      | 0                   | 0          | 1                   | 0              | 0                      | 1                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 1                   | 0              | 0                      | 0                            | 1                       | 0          | 0                   | 0              | 0                      | 0                            | 2                |
| 3:15 AM      | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0                       | 0          | 0                   | 0              | 0                      | 0                            | 0                |
| 3:30 AM      | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 2                   | 0              | 0                      | 0                            | 2                       | 0          | 0                   | 0              | 0                      | 0                            | 2                |
| 3:45 AM      | 0                   | 0          | 4                   | 0              | 0                      | 4                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0                       | 0          | 0                   | 0              | 0                      | 0                            | 4                |
| Hourly Total | 0                   | 0          | 5                   | 0              | 0                      | 5                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 3                   | 0              | 0                      | 0                            | 3                       | 0          | 0                   | 0              | 0                      | 0                            | 8                |
| 4:00 AM      | 0                   | 0          | 4                   | 0              | 0                      | 4                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 1                   | 0              | 0                      | 0                            | 1                       | 0          | 0                   | 0              | 0                      | 0                            | 5                |
| 4:15 AM      | 0                   | 0          | 9                   | 0              | 0                      | 9                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 0                   | 0              | 0                      | 0                            | 0                       | 0          | 0                   | 1              | 0                      | 1                            | 10               |
| 4:30 AM      | 0                   | 0          | 10                  | 0              | 0                      | 10                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 3                   | 0              | 0                      | 0                            | 3                       | 0          | 0                   | 0              | 1                      | 0                            | 14               |
| 4:45 AM      | 0                   | 0          | 6                   | 0              | 0                      | 6                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 1                   | 0              | 0                      | 0                            | 1                       | 0          | 0                   | 0              | 0                      | 0                            | 7                |
| Hourly Total | 0                   | 0          | 29                  | 0              | 0                      | 29                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 5                   | 0              | 0                      | 0                            | 5                       | 0          | 0                   | 0              | 2                      | 0                            | 36               |
| 5:00 AM      | 0                   | 0          | 9                   | 0              | 0                      | 9                            | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 2                   | 0              | 0                      | 0                            | 2                       | 0          | 0                   | 0              | 0                      | 0                            | 11               |
| 5:15 AM      | 0                   | 0          | 22                  | 0              | 0                      | 22                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 4                   | 0              | 0                      | 5                            | 0                       | 0          | 0                   | 0              | 0                      | 0                            | 27               |
| 5:30 AM      | 0                   | 0          | 33                  | 0              | 0                      | 33                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 4                   | 0              | 0                      | 4                            | 0                       | 0          | 0                   | 2              | 0                      | 2                            | 39               |
| 5:45 AM      | 0                   | 0          | 37                  | 0              | 0                      | 37                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 4                   | 0              | 0                      | 4                            | 0                       | 0          | 0                   | 4              | 0                      | 4                            | 45               |
| Hourly Total | 0                   | 0          | 101                 | 0              | 0                      | 101                          | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 14                  | 0              | 0                      | 15                           | 0                       | 0          | 0                   | 6              | 0                      | 6                            | 122              |
| 6:00 AM      | 0                   | 0          | 31                  | 0              | 0                      | 31                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 3                   | 0              | 0                      | 3                            | 0                       | 1          | 0                   | 3              | 0                      | 4                            | 38               |
| 6:15 AM      | 0                   | 0          | 41                  | 0              | 0                      | 41                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 8                   | 0              | 0                      | 8                            | 0                       | 0          | 0                   | 3              | 0                      | 3                            | 52               |
| 6:30 AM      | 0                   | 0          | 38                  | 0              | 0                      | 38                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 8                   | 0              | 0                      | 8                            | 0                       | 0          | 0                   | 0              | 0                      | 0                            | 46               |
| 6:45 AM      | 0                   | 0          | 52                  | 1              | 0                      | 53                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 20                  | 0              | 0                      | 20                           | 0                       | 2          | 0                   | 2              | 0                      | 4                            | 77               |
| Hourly Total | 0                   | 0          | 162                 | 1              | 0                      | 163                          | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 39                  | 0              | 0                      | 39                           | 0                       | 3          | 0                   | 8              | 0                      | 11                           | 213              |
| 7:00 AM      | 0                   | 0          | 49                  | 0              | 0                      | 49                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 3          | 14                  | 0              | 0                      | 17                           | 0                       | 0          | 0                   | 4              | 0                      | 4                            | 70               |
| 7:15 AM      | 0                   | 0          | 69                  | 0              | 0                      | 69                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 24                  | 0              | 0                      | 24                           | 0                       | 0          | 0                   | 7              | 0                      | 7                            | 100              |
| 7:30 AM      | 0                   | 0          | 63                  | 0              | 0                      | 63                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 3          | 24                  | 0              | 0                      | 27                           | 0                       | 0          | 0                   | 7              | 0                      | 7                            | 97               |
| 7:45 AM      | 0                   | 0          | 47                  | 2              | 0                      | 49                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 4          | 22                  | 0              | 0                      | 26                           | 0                       | 0          | 0                   | 9              | 0                      | 9                            | 84               |
| Hourly Total | 0                   | 0          | 228                 | 2              | 0                      | 230                          | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 10         | 84                  | 0              | 0                      | 94                           | 0                       | 0          | 0                   | 27             | 0                      | 27                           | 351              |

**TMC 2145  
Columbus, MN  
Tuesday, October 12, 2021**

| Time         | Southbound<br>CR 62 |            |                     |                |                        |                              | Westbound<br>0 |            |                     |                |                        |                              | Northbound<br>CR 62 |            |                     |                |                        |                              | Eastbound<br>155th Ave. |            |                     |                |                        |                              | VEHICLE<br>TOTAL |     |
|--------------|---------------------|------------|---------------------|----------------|------------------------|------------------------------|----------------|------------|---------------------|----------------|------------------------|------------------------------|---------------------|------------|---------------------|----------------|------------------------|------------------------------|-------------------------|------------|---------------------|----------------|------------------------|------------------------------|------------------|-----|
|              | U Turns             | Left Turns | Straight<br>Through | Right<br>Turns | Crosswalk<br>Crossings | Vehicle<br>Approach<br>Total | U Turns        | Left Turns | Straight<br>Through | Right<br>Turns | Crosswalk<br>Crossings | Vehicle<br>Approach<br>Total | U Turns             | Left Turns | Straight<br>Through | Right<br>Turns | Crosswalk<br>Crossings | Vehicle<br>Approach<br>Total | U Turns                 | Left Turns | Straight<br>Through | Right<br>Turns | Crosswalk<br>Crossings | Vehicle<br>Approach<br>Total |                  |     |
| 8:00 AM      | 0                   | 0          | 26                  | 0              | 0                      | 26                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 26                  | 0              | 0                      | 0                            | 27                      | 0          | 0                   | 0              | 3                      | 0                            | 3                | 56  |
| 8:15 AM      | 0                   | 0          | 39                  | 1              | 0                      | 40                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 27                  | 0              | 0                      | 0                            | 27                      | 0          | 0                   | 0              | 1                      | 0                            | 1                | 68  |
| 8:30 AM      | 0                   | 0          | 30                  | 0              | 0                      | 30                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 2          | 20                  | 0              | 0                      | 0                            | 22                      | 0          | 1                   | 0              | 1                      | 0                            | 2                | 54  |
| 8:45 AM      | 0                   | 0          | 30                  | 0              | 0                      | 30                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 26                  | 0              | 0                      | 0                            | 27                      | 0          | 1                   | 0              | 0                      | 0                            | 1                | 58  |
| Hourly Total | 0                   | 0          | 125                 | 1              | 0                      | 126                          | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 4          | 99                  | 0              | 0                      | 0                            | 103                     | 0          | 2                   | 0              | 5                      | 0                            | 7                | 236 |
| 9:00 AM      | 0                   | 0          | 24                  | 0              | 0                      | 24                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 26                  | 0              | 0                      | 0                            | 27                      | 0          | 0                   | 0              | 0                      | 0                            | 0                | 51  |
| 9:15 AM      | 0                   | 0          | 30                  | 0              | 0                      | 30                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 28                  | 0              | 0                      | 0                            | 29                      | 0          | 1                   | 0              | 1                      | 0                            | 2                | 61  |
| 9:30 AM      | 0                   | 0          | 30                  | 0              | 0                      | 30                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 2          | 15                  | 0              | 0                      | 0                            | 17                      | 0          | 1                   | 0              | 1                      | 0                            | 2                | 49  |
| 9:45 AM      | 0                   | 0          | 27                  | 0              | 0                      | 27                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 2          | 24                  | 0              | 0                      | 0                            | 26                      | 0          | 0                   | 0              | 3                      | 0                            | 3                | 56  |
| Hourly Total | 0                   | 0          | 111                 | 0              | 0                      | 111                          | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 6          | 93                  | 0              | 0                      | 0                            | 99                      | 0          | 2                   | 0              | 5                      | 0                            | 7                | 217 |
| 10:00 AM     | 0                   | 0          | 30                  | 1              | 0                      | 31                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 16                  | 0              | 0                      | 0                            | 17                      | 0          | 0                   | 0              | 2                      | 0                            | 2                | 50  |
| 10:15 AM     | 0                   | 0          | 24                  | 0              | 0                      | 24                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 20                  | 0              | 0                      | 0                            | 20                      | 0          | 1                   | 0              | 3                      | 0                            | 4                | 48  |
| 10:30 AM     | 0                   | 0          | 21                  | 1              | 0                      | 22                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 2          | 17                  | 0              | 0                      | 0                            | 19                      | 0          | 0                   | 0              | 1                      | 0                            | 1                | 42  |
| 10:45 AM     | 0                   | 0          | 22                  | 1              | 0                      | 23                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 26                  | 0              | 0                      | 0                            | 26                      | 0          | 1                   | 0              | 1                      | 0                            | 2                | 51  |
| Hourly Total | 0                   | 0          | 97                  | 3              | 0                      | 100                          | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 3          | 79                  | 0              | 0                      | 0                            | 82                      | 0          | 2                   | 0              | 7                      | 0                            | 9                | 191 |
| 11:00 AM     | 0                   | 0          | 23                  | 0              | 0                      | 23                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 26                  | 0              | 0                      | 0                            | 27                      | 0          | 0                   | 0              | 3                      | 0                            | 3                | 53  |
| 11:15 AM     | 0                   | 0          | 25                  | 0              | 0                      | 25                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 1                   | 0          | 25                  | 0              | 0                      | 0                            | 26                      | 0          | 0                   | 0              | 2                      | 0                            | 2                | 53  |
| 11:30 AM     | 0                   | 0          | 29                  | 0              | 0                      | 29                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 22                  | 0              | 0                      | 0                            | 23                      | 0          | 0                   | 0              | 1                      | 0                            | 1                | 53  |
| 11:45 AM     | 0                   | 0          | 28                  | 0              | 0                      | 28                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 1                   | 2          | 29                  | 0              | 0                      | 0                            | 32                      | 0          | 0                   | 0              | 0                      | 0                            | 0                | 60  |
| Hourly Total | 0                   | 0          | 105                 | 0              | 0                      | 105                          | 0              | 0          | 0                   | 0              | 0                      | 0                            | 2                   | 4          | 102                 | 0              | 0                      | 0                            | 108                     | 0          | 0                   | 0              | 6                      | 0                            | 6                | 219 |
| 12:00 PM     | 0                   | 0          | 22                  | 0              | 0                      | 22                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 31                  | 0              | 0                      | 0                            | 31                      | 0          | 1                   | 0              | 1                      | 0                            | 2                | 55  |
| 12:15 PM     | 0                   | 0          | 21                  | 1              | 0                      | 22                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 5          | 35                  | 0              | 0                      | 0                            | 40                      | 0          | 1                   | 0              | 1                      | 0                            | 2                | 64  |
| 12:30 PM     | 0                   | 0          | 25                  | 0              | 0                      | 25                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 18                  | 0              | 0                      | 0                            | 19                      | 0          | 0                   | 0              | 2                      | 0                            | 2                | 46  |
| 12:45 PM     | 0                   | 0          | 28                  | 2              | 0                      | 30                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 25                  | 0              | 0                      | 0                            | 25                      | 0          | 1                   | 0              | 1                      | 0                            | 2                | 57  |
| Hourly Total | 0                   | 0          | 96                  | 3              | 0                      | 99                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 6          | 109                 | 0              | 0                      | 0                            | 115                     | 0          | 3                   | 0              | 5                      | 0                            | 8                | 222 |
| 1:00 PM      | 0                   | 0          | 30                  | 0              | 0                      | 30                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 0          | 24                  | 0              | 0                      | 0                            | 24                      | 0          | 0                   | 0              | 1                      | 0                            | 1                | 55  |
| 1:15 PM      | 0                   | 0          | 22                  | 0              | 0                      | 22                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 2          | 26                  | 0              | 0                      | 0                            | 28                      | 0          | 0                   | 0              | 1                      | 0                            | 1                | 51  |
| 1:30 PM      | 0                   | 0          | 31                  | 1              | 0                      | 32                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 4          | 30                  | 0              | 0                      | 0                            | 34                      | 0          | 0                   | 0              | 2                      | 0                            | 2                | 68  |
| 1:45 PM      | 0                   | 0          | 27                  | 1              | 0                      | 28                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 4          | 33                  | 0              | 0                      | 0                            | 37                      | 0          | 0                   | 0              | 1                      | 0                            | 1                | 66  |
| Hourly Total | 0                   | 0          | 110                 | 2              | 0                      | 112                          | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 10         | 113                 | 0              | 0                      | 0                            | 123                     | 0          | 0                   | 0              | 5                      | 0                            | 5                | 240 |
| 2:00 PM      | 0                   | 0          | 28                  | 0              | 0                      | 28                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 2          | 28                  | 0              | 0                      | 0                            | 30                      | 0          | 0                   | 0              | 1                      | 0                            | 1                | 59  |
| 2:15 PM      | 0                   | 0          | 36                  | 1              | 0                      | 37                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 30                  | 0              | 0                      | 0                            | 31                      | 0          | 0                   | 0              | 0                      | 0                            | 0                | 68  |
| 2:30 PM      | 0                   | 0          | 43                  | 1              | 0                      | 44                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 2          | 45                  | 0              | 0                      | 0                            | 47                      | 0          | 0                   | 0              | 1                      | 0                            | 1                | 92  |
| 2:45 PM      | 0                   | 0          | 20                  | 0              | 0                      | 20                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 6          | 68                  | 0              | 0                      | 0                            | 74                      | 0          | 0                   | 0              | 2                      | 0                            | 2                | 96  |
| Hourly Total | 0                   | 0          | 127                 | 2              | 0                      | 129                          | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 11         | 171                 | 0              | 0                      | 0                            | 182                     | 0          | 0                   | 0              | 4                      | 0                            | 4                | 315 |
| 3:00 PM      | 0                   | 0          | 41                  | 0              | 0                      | 41                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 2          | 58                  | 0              | 0                      | 0                            | 60                      | 0          | 0                   | 0              | 3                      | 0                            | 3                | 104 |
| 3:15 PM      | 0                   | 0          | 20                  | 1              | 0                      | 21                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 48                  | 0              | 0                      | 0                            | 49                      | 0          | 0                   | 0              | 2                      | 0                            | 2                | 72  |
| 3:30 PM      | 0                   | 0          | 28                  | 1              | 0                      | 29                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 4          | 71                  | 0              | 0                      | 0                            | 75                      | 0          | 1                   | 0              | 2                      | 0                            | 3                | 107 |
| 3:45 PM      | 0                   | 0          | 34                  | 2              | 0                      | 36                           | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 1          | 75                  | 0              | 0                      | 0                            | 76                      | 0          | 0                   | 0              | 2                      | 0                            | 2                | 114 |
| Hourly Total | 0                   | 0          | 123                 | 4              | 0                      | 127                          | 0              | 0          | 0                   | 0              | 0                      | 0                            | 0                   | 8          | 252                 | 0              | 0                      | 0                            | 260                     | 0          | 1                   | 0              | 9                      | 0                            | 10               | 397 |

**TMC 2145  
Columbus, MN  
Tuesday, October 12, 2021**

| Time                   | Southbound<br>CR 62 |              |                     |                |                        |                              | Westbound<br>0 |              |                     |                |                        |                              | Northbound<br>CR 62 |              |                     |                |                        |                              | Eastbound<br>155th Ave. |              |                     |                |                        |                              | VEHICLE<br>TOTAL |
|------------------------|---------------------|--------------|---------------------|----------------|------------------------|------------------------------|----------------|--------------|---------------------|----------------|------------------------|------------------------------|---------------------|--------------|---------------------|----------------|------------------------|------------------------------|-------------------------|--------------|---------------------|----------------|------------------------|------------------------------|------------------|
|                        | U Turns             | Left Turns   | Straight<br>Through | Right<br>Turns | Crosswalk<br>Crossings | Vehicle<br>Approach<br>Total | U Turns        | Left Turns   | Straight<br>Through | Right<br>Turns | Crosswalk<br>Crossings | Vehicle<br>Approach<br>Total | U Turns             | Left Turns   | Straight<br>Through | Right<br>Turns | Crosswalk<br>Crossings | Vehicle<br>Approach<br>Total | U Turns                 | Left Turns   | Straight<br>Through | Right<br>Turns | Crosswalk<br>Crossings | Vehicle<br>Approach<br>Total |                  |
| 4:00 PM                | 0                   | 0            | 27                  | 2              | 0                      | 29                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 6            | 65                  | 0              | 0                      | 71                           | 0                       | 0            | 0                   | 1              | 0                      | 1                            | 101              |
| 4:15 PM                | 0                   | 0            | 41                  | 2              | 0                      | 43                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 3            | 66                  | 0              | 0                      | 69                           | 0                       | 2            | 0                   | 2              | 0                      | 4                            | 116              |
| 4:30 PM                | 0                   | 0            | 37                  | 1              | 0                      | 38                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 4            | 92                  | 0              | 0                      | 96                           | 0                       | 1            | 0                   | 1              | 0                      | 2                            | 136              |
| 4:45 PM                | 0                   | 0            | 40                  | 0              | 0                      | 40                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 3            | 82                  | 0              | 0                      | 85                           | 0                       | 0            | 0                   | 1              | 0                      | 1                            | 126              |
| Hourly Total           | 0                   | 0            | 145                 | 5              | 0                      | 150                          | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 16           | 305                 | 0              | 0                      | 321                          | 0                       | 3            | 0                   | 5              | 0                      | 8                            | 479              |
| 5:00 PM                | 0                   | 0            | 27                  | 1              | 0                      | 28                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 2            | 74                  | 0              | 0                      | 76                           | 0                       | 0            | 0                   | 3              | 0                      | 3                            | 107              |
| 5:15 PM                | 0                   | 0            | 29                  | 0              | 0                      | 29                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 5            | 82                  | 0              | 0                      | 87                           | 0                       | 0            | 0                   | 1              | 0                      | 1                            | 117              |
| 5:30 PM                | 0                   | 0            | 25                  | 1              | 0                      | 26                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 6            | 64                  | 0              | 0                      | 70                           | 0                       | 0            | 0                   | 3              | 0                      | 3                            | 99               |
| 5:45 PM                | 0                   | 0            | 31                  | 1              | 0                      | 32                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 3            | 55                  | 0              | 0                      | 58                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 90               |
| Hourly Total           | 0                   | 0            | 112                 | 3              | 0                      | 115                          | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 16           | 275                 | 0              | 0                      | 291                          | 0                       | 0            | 0                   | 7              | 0                      | 7                            | 413              |
| 6:00 PM                | 0                   | 0            | 26                  | 0              | 0                      | 26                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 5            | 54                  | 0              | 0                      | 59                           | 0                       | 0            | 0                   | 1              | 0                      | 1                            | 86               |
| 6:15 PM                | 0                   | 0            | 26                  | 2              | 0                      | 28                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 2            | 29                  | 0              | 0                      | 31                           | 0                       | 1            | 0                   | 3              | 0                      | 4                            | 63               |
| 6:30 PM                | 0                   | 0            | 27                  | 1              | 0                      | 28                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 5            | 27                  | 0              | 0                      | 32                           | 0                       | 1            | 0                   | 2              | 0                      | 3                            | 63               |
| 6:45 PM                | 0                   | 0            | 22                  | 0              | 0                      | 22                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 2            | 26                  | 0              | 0                      | 28                           | 0                       | 0            | 0                   | 3              | 0                      | 3                            | 53               |
| Hourly Total           | 0                   | 0            | 101                 | 3              | 0                      | 104                          | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 14           | 136                 | 0              | 0                      | 150                          | 0                       | 2            | 0                   | 9              | 0                      | 11                           | 265              |
| 7:00 PM                | 0                   | 0            | 17                  | 0              | 0                      | 17                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 2            | 27                  | 0              | 0                      | 29                           | 0                       | 0            | 0                   | 2              | 0                      | 2                            | 48               |
| 7:15 PM                | 0                   | 0            | 17                  | 0              | 0                      | 17                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 1            | 24                  | 0              | 0                      | 25                           | 0                       | 0            | 0                   | 1              | 0                      | 1                            | 43               |
| 7:30 PM                | 0                   | 0            | 18                  | 1              | 0                      | 19                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 1                   | 2            | 26                  | 0              | 0                      | 29                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 48               |
| 7:45 PM                | 0                   | 0            | 10                  | 0              | 0                      | 10                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 1            | 26                  | 0              | 0                      | 27                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 37               |
| Hourly Total           | 0                   | 0            | 62                  | 1              | 0                      | 63                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 1                   | 6            | 103                 | 0              | 0                      | 110                          | 0                       | 0            | 0                   | 3              | 0                      | 3                            | 176              |
| 8:00 PM                | 0                   | 0            | 13                  | 0              | 0                      | 13                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 1            | 13                  | 0              | 0                      | 14                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 27               |
| 8:15 PM                | 0                   | 0            | 6                   | 0              | 0                      | 6                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 0            | 15                  | 0              | 0                      | 15                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 21               |
| 8:30 PM                | 0                   | 0            | 3                   | 0              | 0                      | 3                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 1            | 16                  | 0              | 0                      | 17                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 20               |
| 8:45 PM                | 0                   | 0            | 13                  | 0              | 0                      | 13                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 2            | 11                  | 0              | 0                      | 13                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 26               |
| Hourly Total           | 0                   | 0            | 35                  | 0              | 0                      | 35                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 4            | 55                  | 0              | 0                      | 59                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 94               |
| 9:00 PM                | 0                   | 0            | 9                   | 0              | 0                      | 9                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 3            | 11                  | 0              | 0                      | 14                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 23               |
| 9:15 PM                | 0                   | 0            | 8                   | 0              | 0                      | 8                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 1            | 11                  | 0              | 0                      | 12                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 20               |
| 9:30 PM                | 0                   | 0            | 3                   | 0              | 0                      | 3                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 2            | 9                   | 0              | 0                      | 11                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 14               |
| 9:45 PM                | 0                   | 0            | 2                   | 0              | 0                      | 2                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 1            | 10                  | 0              | 0                      | 11                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 13               |
| Hourly Total           | 0                   | 0            | 22                  | 0              | 0                      | 22                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 7            | 41                  | 0              | 0                      | 48                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 70               |
| 10:00 PM               | 0                   | 0            | 2                   | 0              | 0                      | 2                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 2            | 4                   | 0              | 0                      | 6                            | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 8                |
| 10:15 PM               | 0                   | 0            | 4                   | 0              | 0                      | 4                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 2            | 11                  | 0              | 0                      | 13                           | 0                       | 0            | 0                   | 1              | 0                      | 1                            | 18               |
| 10:30 PM               | 0                   | 0            | 1                   | 0              | 0                      | 1                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 2            | 9                   | 0              | 0                      | 11                           | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 12               |
| 10:45 PM               | 0                   | 0            | 3                   | 0              | 0                      | 3                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 0            | 3                   | 0              | 0                      | 3                            | 0                       | 0            | 0                   | 1              | 0                      | 1                            | 7                |
| Hourly Total           | 0                   | 0            | 10                  | 0              | 0                      | 10                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 6            | 27                  | 0              | 0                      | 33                           | 0                       | 0            | 0                   | 2              | 0                      | 2                            | 45               |
| 11:00 PM               | 0                   | 0            | 4                   | 0              | 0                      | 4                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 1            | 0                   | 0              | 0                      | 1                            | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 5                |
| 11:15 PM               | 0                   | 0            | 5                   | 0              | 0                      | 5                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 0            | 3                   | 0              | 0                      | 3                            | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 8                |
| 11:30 PM               | 0                   | 0            | 2                   | 0              | 0                      | 2                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 0            | 3                   | 0              | 0                      | 3                            | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 5                |
| 11:45 PM               | 0                   | 0            | 1                   | 0              | 0                      | 1                            | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 0            | 2                   | 0              | 0                      | 2                            | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 3                |
| Hourly Total           | 0                   | 0            | 12                  | 0              | 0                      | 12                           | 0              | 0            | 0                   | 0              | 0                      | 0                            | 0                   | 1            | 8                   | 0              | 0                      | 9                            | 0                       | 0            | 0                   | 0              | 0                      | 0                            | 21               |
| <b>DAILY TOTAL</b>     | <b>0</b>            | <b>0</b>     | <b>1927</b>         | <b>31</b>      | <b>0</b>               | <b>1958</b>                  | <b>0</b>       | <b>0</b>     | <b>0</b>            | <b>0</b>       | <b>0</b>               | <b>0</b>                     | <b>3</b>            | <b>134</b>   | <b>2125</b>         | <b>0</b>       | <b>0</b>               | <b>2262</b>                  | <b>0</b>                | <b>18</b>    | <b>0</b>            | <b>116</b>     | <b>0</b>               | <b>134</b>                   | <b>4354</b>      |
| <b>Cars</b>            | <b>0</b>            | <b>0</b>     | <b>1860</b>         | <b>30</b>      | <b>0</b>               | <b>1890</b>                  | <b>0</b>       | <b>0</b>     | <b>0</b>            | <b>0</b>       | <b>0</b>               | <b>0</b>                     | <b>3</b>            | <b>133</b>   | <b>2040</b>         | <b>0</b>       | <b>0</b>               | <b>2176</b>                  | <b>0</b>                | <b>18</b>    | <b>0</b>            | <b>114</b>     | <b>0</b>               | <b>132</b>                   | <b>4198</b>      |
| <b>Heavy Vehicles</b>  | <b>0</b>            | <b>0</b>     | <b>67</b>           | <b>1</b>       | <b>0</b>               | <b>68</b>                    | <b>0</b>       | <b>0</b>     | <b>0</b>            | <b>0</b>       | <b>0</b>               | <b>0</b>                     | <b>0</b>            | <b>1</b>     | <b>85</b>           | <b>0</b>       | <b>0</b>               | <b>86</b>                    | <b>0</b>                | <b>0</b>     | <b>0</b>            | <b>2</b>       | <b>0</b>               | <b>2</b>                     | <b>156</b>       |
| <b>Heavy Vehicle %</b> | <b>0.00%</b>        | <b>0.00%</b> | <b>3.48%</b>        | <b>3.23%</b>   | <b>0.00%</b>           | <b>3.47%</b>                 | <b>0.00%</b>   | <b>0.00%</b> | <b>0.00%</b>        | <b>0.00%</b>   | <b>0.00%</b>           | <b>0.00%</b>                 | <b>0.00%</b>        | <b>0.75%</b> | <b>4.00%</b>        | <b>0.00%</b>   | <b>0.00%</b>           | <b>3.80%</b>                 | <b>0.00%</b>            | <b>0.00%</b> | <b>0.00%</b>        | <b>1.72%</b>   | <b>0.00%</b>           | <b>1.49%</b>                 | <b>3.58%</b>     |



**TMC 2145  
Columbus, MN  
Tuesday, October 12, 2021**

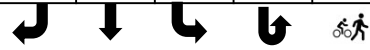
**AM Peak Hour**

| Time            | Southbound |            |                  |             |                     |                        | Westbound |            |                  |             |                     |                        | Northbound |            |                  |             |                     |                        | Eastbound |            |                  |             |                     |                        | VEHICLE TOTAL |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |   |    |   |   |    |   |   |   |   |   |   |   |   |    |   |   |    |   |   |   |   |   |   |   |   |     |   |   |     |   |   |   |   |   |   |   |    |    |   |   |    |   |   |   |    |   |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|-----------------|------------|------------|------------------|-------------|---------------------|------------------------|-----------|------------|------------------|-------------|---------------------|------------------------|------------|------------|------------------|-------------|---------------------|------------------------|-----------|------------|------------------|-------------|---------------------|------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|---|----|---|---|----|---|---|---|---|---|---|---|---|----|---|---|----|---|---|---|---|---|---|---|---|-----|---|---|-----|---|---|---|---|---|---|---|----|----|---|---|----|---|---|---|----|---|----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
|                 | U Turns    | Left Turns | Straight Through | Right Turns | Crosswalk Crossings | Vehicle Approach Total | U Turns   | Left Turns | Straight Through | Right Turns | Crosswalk Crossings | Vehicle Approach Total | U Turns    | Left Turns | Straight Through | Right Turns | Crosswalk Crossings | Vehicle Approach Total | U Turns   | Left Turns | Straight Through | Right Turns | Crosswalk Crossings | Vehicle Approach Total |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |   |    |   |   |    |   |   |   |   |   |   |   |   |    |   |   |    |   |   |   |   |   |   |   |   |     |   |   |     |   |   |   |   |   |   |   |    |    |   |   |    |   |   |   |    |   |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
| 7:00 AM         | 0          | 0          | 49               | 0           | 0                   | 49                     | 0         | 0          | 0                | 0           | 0                   | 0                      | 0          | 3          | 14               | 0           | 0                   | 17                     | 0         | 0          | 0                | 4           | 0                   | 4                      | 0             | 0     | 69    | 0     | 0     | 69    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 24    | 0     | 0     | 24    | 0     | 0     | 0     | 7     | 0     | 7     | 0     | 0     | 63    | 0     | 0     | 63    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 24    | 0     | 0     | 27    | 0     | 0     | 0     | 7     | 0     | 7     | 0   | 0 | 47 | 2 | 0 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 22 | 0 | 0 | 26 | 0 | 0 | 0 | 9 | 0 | 9 | 0 | 0 | 228 | 2 | 0 | 230 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 84 | 0 | 0 | 94 | 0 | 0 | 0 | 27 | 0 | 27 | 0.000 | 0.000 | 0.826 | 0.250 | 0.000 | 0.833 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.625 | 0.875 | 0.000 | 0.000 | 0.870 | 0.000 | 0.000 | 0.000 | 0.750 | 0.000 | 0.750 | 0.000 | 0.000 | 0.000 | 0.750 | 0.000 | 0.750 | 351 |
| Peak Hour Total | 0          | 0          | 228              | 2           | 0                   | 230                    | 0         | 0          | 0                | 0           | 0                   | 0                      | 0          | 10         | 84               | 0           | 0                   | 94                     | 0         | 0          | 0                | 27          | 0                   | 27                     | 0             | 0     | 228   | 2     | 0     | 230   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 10    | 84    | 0     | 0     | 94    | 0     | 0     | 0     | 27    | 0     | 27    | 0.000 | 0.000 | 0.826 | 0.250 | 0.000 | 0.833 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.625 | 0.875 | 0.000 | 0.000 | 0.870 | 0.000 | 0.000 | 0.000 | 0.750 | 0.000 | 0.750 | 351 |   |    |   |   |    |   |   |   |   |   |   |   |   |    |   |   |    |   |   |   |   |   |   |   |   |     |   |   |     |   |   |   |   |   |   |   |    |    |   |   |    |   |   |   |    |   |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
| PHF             | 0.000      | 0.000      | 0.826            | 0.250       | 0.000               | 0.833                  | 0.000     | 0.000      | 0.000            | 0.000       | 0.000               | 0.000                  | 0.000      | 0.625      | 0.875            | 0.000       | 0.000               | 0.870                  | 0.000     | 0.000      | 0.000            | 0.750       | 0.000               | 0.750                  | 0.000         | 0.000 | 0.826 | 0.250 | 0.000 | 0.833 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.625 | 0.875 | 0.000 | 0.000 | 0.870 | 0.000 | 0.000 | 0.000 | 0.750 | 0.000 | 0.750 | 0.878 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |   |    |   |   |    |   |   |   |   |   |   |   |   |    |   |   |    |   |   |   |   |   |   |   |   |     |   |   |     |   |   |   |   |   |   |   |    |    |   |   |    |   |   |   |    |   |    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |

**PM Peak Hour**

| Time            | Southbound |            |                  |             |                     |                        | Westbound |            |                  |             |                     |                        | Northbound |            |                  |             |                     |                        | Eastbound |            |                  |             |                     |                        | VEHICLE TOTAL |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |   |    |   |   |    |   |   |   |   |   |   |   |   |    |   |   |    |   |   |   |   |   |   |   |   |     |   |   |     |   |   |   |   |   |   |   |    |     |   |   |     |   |   |   |   |   |   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
|-----------------|------------|------------|------------------|-------------|---------------------|------------------------|-----------|------------|------------------|-------------|---------------------|------------------------|------------|------------|------------------|-------------|---------------------|------------------------|-----------|------------|------------------|-------------|---------------------|------------------------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|---|----|---|---|----|---|---|---|---|---|---|---|---|----|---|---|----|---|---|---|---|---|---|---|---|-----|---|---|-----|---|---|---|---|---|---|---|----|-----|---|---|-----|---|---|---|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
|                 | U Turns    | Left Turns | Straight Through | Right Turns | Crosswalk Crossings | Vehicle Approach Total | U Turns   | Left Turns | Straight Through | Right Turns | Crosswalk Crossings | Vehicle Approach Total | U Turns    | Left Turns | Straight Through | Right Turns | Crosswalk Crossings | Vehicle Approach Total | U Turns   | Left Turns | Straight Through | Right Turns | Crosswalk Crossings | Vehicle Approach Total |               |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |   |    |   |   |    |   |   |   |   |   |   |   |   |    |   |   |    |   |   |   |   |   |   |   |   |     |   |   |     |   |   |   |   |   |   |   |    |     |   |   |     |   |   |   |   |   |   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
| 4:30 PM         | 0          | 0          | 37               | 1           | 0                   | 38                     | 0         | 0          | 0                | 0           | 0                   | 0                      | 0          | 4          | 92               | 0           | 0                   | 96                     | 0         | 1          | 0                | 1           | 0                   | 2                      | 0             | 0     | 40    | 0     | 0     | 40    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 3     | 82    | 0     | 0     | 85    | 0     | 0     | 0     | 1     | 0     | 1     | 0     | 0     | 27    | 1     | 0     | 28    | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2     | 74    | 0     | 0     | 76    | 0     | 0     | 0     | 3     | 0     | 3     | 0   | 0 | 29 | 0 | 0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 82 | 0 | 0 | 87 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 133 | 2 | 0 | 135 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 330 | 0 | 0 | 344 | 0 | 1 | 0 | 6 | 0 | 7 | 0.000 | 0.000 | 0.831 | 0.500 | 0.000 | 0.844 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.700 | 0.897 | 0.000 | 0.000 | 0.896 | 0.000 | 0.250 | 0.000 | 0.500 | 0.000 | 0.583 | 486 |
| Peak Hour Total | 0          | 0          | 133              | 2           | 0                   | 135                    | 0         | 0          | 0                | 0           | 0                   | 0                      | 0          | 14         | 330              | 0           | 0                   | 344                    | 0         | 1          | 0                | 6           | 0                   | 7                      | 0             | 0     | 133   | 2     | 0     | 135   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 14    | 330   | 0     | 0     | 344   | 0     | 1     | 0     | 6     | 0     | 7     | 0.000 | 0.000 | 0.831 | 0.500 | 0.000 | 0.844 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.700 | 0.897 | 0.000 | 0.000 | 0.896 | 0.000 | 0.250 | 0.000 | 0.500 | 0.000 | 0.583 | 486 |   |    |   |   |    |   |   |   |   |   |   |   |   |    |   |   |    |   |   |   |   |   |   |   |   |     |   |   |     |   |   |   |   |   |   |   |    |     |   |   |     |   |   |   |   |   |   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |
| PHF             | 0.000      | 0.000      | 0.831            | 0.500       | 0.000               | 0.844                  | 0.000     | 0.000      | 0.000            | 0.000       | 0.000               | 0.000                  | 0.000      | 0.700      | 0.897            | 0.000       | 0.000               | 0.896                  | 0.000     | 0.250      | 0.000            | 0.500       | 0.000               | 0.583                  | 0.000         | 0.000 | 0.831 | 0.500 | 0.000 | 0.844 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.700 | 0.897 | 0.000 | 0.000 | 0.896 | 0.000 | 0.250 | 0.000 | 0.500 | 0.000 | 0.583 | 0.893 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |   |    |   |   |    |   |   |   |   |   |   |   |   |    |   |   |    |   |   |   |   |   |   |   |   |     |   |   |     |   |   |   |   |   |   |   |    |     |   |   |     |   |   |   |   |   |   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |

|                                |           |             |                               |
|--------------------------------|-----------|-------------|-------------------------------|
| Total Vehicles On Leg          |           | 4101        |                               |
| Vehicles Entering Intersection |           | 1958        | Vehicles Exiting Intersection |
|                                |           |             | 2143                          |
| <b>Southbound</b>              |           |             |                               |
| Cars                           | 30        | 1860        | 0                             |
| Heavy                          | 1         | 67          | 0                             |
| <b>Total</b>                   | <b>31</b> | <b>1927</b> | <b>0</b>                      |

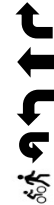


|                           |                                   |           |      |       |       |
|---------------------------|-----------------------------------|-----------|------|-------|-------|
| Total Vehicles on Leg 299 | Vehicles Entering Intersection    | Eastbound | Cars | Heavy | Total |
|                           | Vehicles Exiting Intersection 165 |           | 0    | 0     | 0     |
|                           |                                   |           | 0    | 0     | 0     |
|                           |                                   |           | 18   | 0     | 18    |
|                           |                                   |           | 0    | 0     | 0     |
| 114                       | 2                                 | 116       |      |       |       |



**Daily Volumes**

|                         |           |      |       |       |
|-------------------------|-----------|------|-------|-------|
| Total Vehicles on Leg 0 | Westbound | Cars | Heavy | Total |
|                         |           | 0    | 0     | 0     |
|                         |           | 0    | 0     | 0     |
|                         |           | 0    | 0     | 0     |
|                         |           | 0    | 0     | 0     |
| 0                       | 0         | 0    |       |       |



|                                |          |          |                               |             |          |
|--------------------------------|----------|----------|-------------------------------|-------------|----------|
| Cars                           | 0        | 3        | 133                           | 2040        | 0        |
| Heavy                          | 0        | 0        | 1                             | 85          | 0        |
| <b>Total</b>                   | <b>0</b> | <b>3</b> | <b>134</b>                    | <b>2125</b> | <b>0</b> |
| <b>Northbound</b>              |          |          |                               |             |          |
| Vehicles Entering Intersection |          |          | Vehicles Exiting Intersection |             |          |
| 2262                           |          |          | 2046                          |             |          |
| Total Vehicles On Leg          |          |          | 4308                          |             |          |





# Heavy Vehicles

| Date       | Time  | Southbound |            |                  |             |                       | Westbound |            |                  |             |                       | Northbound |            |                  |             |                       | Eastbound |            |                  |             |                       |
|------------|-------|------------|------------|------------------|-------------|-----------------------|-----------|------------|------------------|-------------|-----------------------|------------|------------|------------------|-------------|-----------------------|-----------|------------|------------------|-------------|-----------------------|
|            |       | U Turns    | Left Turns | Straight Through | Right Turns | Bicycles in Crosswalk | U Turns   | Left Turns | Straight Through | Right Turns | Bicycles in Crosswalk | U Turns    | Left Turns | Straight Through | Right Turns | Bicycles in Crosswalk | U Turns   | Left Turns | Straight Through | Right Turns | Bicycles in Crosswalk |
| 10/12/2021 | 0:00  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 0:15  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 0:30  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 0:45  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 1:00  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 1:15  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 1:30  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 1:45  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 2:00  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 2:15  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 2:30  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 2:45  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 3:00  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 3:15  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 3:30  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 3:45  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 4:00  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 4:15  | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 4:30  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 4:45  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 5:00  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 5:15  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 5:30  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 5:45  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 6:00  | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 6:15  | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 6:30  | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 6:45  | 0          | 0          | 3                | 1           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 7:00  | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 7:15  | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 7:30  | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 7:45  | 0          | 0          | 2                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 8:00  | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 8:15  | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 8:30  | 0          | 0          | 2                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 2                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 8:45  | 0          | 0          | 2                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 9:00  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 2                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 9:15  | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 2                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 9:30  | 0          | 0          | 2                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 9:45  | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 10:00 | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 10:15 | 0          | 0          | 2                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 10:30 | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 10:45 | 0          | 0          | 1                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 0                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 11:00 | 0          | 0          | 2                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 4                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |
|            | 11:15 | 0          | 0          | 2                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     | 0          | 0          | 3                | 0           | 0                     | 0         | 0          | 0                | 0           | 0                     |







# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2145

Study Date : 11/10/2021

## Signal Warrants - Summary

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### Major Street Approaches

Northbound: CR 62 (Kettle River Blvd.)

Number of Lanes : 1

Total Approach Volume: 2,262

Southbound: CR 62 (Kettle River Blvd.)

Number of Lanes : 1

Total Approach Volume: 1,958

### Minor Street Approaches

Eastbound: 155th Ave.

Number of Lanes : 1

Total Approach Volume: 132

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### Warrant Summary (Rural Values Apply)

**Warrant 1 - Eight Hour Vehicular Volumes.....Not Satisfied**

**Warrant 1A - Minimum Vehicular Volume.....Not Satisfied**

Required volumes reached for 0 hours, 8 are needed

**Warrant 1B - Interruption of Continuous Traffic.....Not Satisfied**

Required volumes reached for 0 hours, 8 are needed

**Warrant 1C - Combination of Warrants.....Not Satisfied**

Required 1A volumes reached for 0 hours, 8 are needed

Required 1B volumes reached for 0 hours, 8 are needed

**Warrant 2 - Four Hour Volumes.....Not Satisfied**

Number of hours (0) volumes exceed minimum < minimum required (4).

**Warrant 3 - Peak Hour.....Not Satisfied**

**Warrant 3A - Peak Hour Delay.....Not Satisfied**

Approach volumes on minor street don't exceed minimums for any one hour period. Delay data not evaluated.

**Warrant 3B - Peak Hour Volumes.....Not Satisfied**

Volumes do not exceed minimums for any one hour period.

**Warrant 4 - Pedestrian Volumes.....Not Evaluated**

**Warrant 5 - School Crossing.....Not Evaluated**

**Warrant 6 - Coordinated Signal System.....Not Evaluated**

**Warrant 7 - Crash Experience.....Not Evaluated**

**Warrant 8 - Roadway Network.....Not Evaluated**

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

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2145

Study Date : 11/10/2021

## Warrant 1A - Minimum Volumes

#### Description

Intended for sites where the volume of intersecting traffic is the principal reason for consideration of a signal installation.

#### Summary

Only 0 one hour periods meet minimums.  
Warrant is NOT met.

#### Site Data Required

Rural Settings Apply = **True**  
Number of Major Lanes = **1**  
Number of Minor Lanes = **1**

#### Volume Requirements

Rural Factor of 70 % applied  
Veh/Hr Major = **350**  
  
Veh/Hr Minor = **105**

| Time          | Major Road                        |   |          |   | Total | Minor Road        |          | Met? |
|---------------|-----------------------------------|---|----------|---|-------|-------------------|----------|------|
|               | Major NB                          | + | Major SB | = |       | Minor EB          | Minor WB |      |
|               | <b>CR 62 (Kettle River Blvd.)</b> |   |          |   |       | <b>155th Ave.</b> |          |      |
| 16:30 - 17:30 | 344                               | + | 135      | = | 479   | 7                 | 1        | No   |
| 16:15 - 17:15 | 326                               | + | 149      | = | 475   | 9                 | 3        | No   |
| 16:00 - 17:00 | 321                               | + | 150      | = | 471   | 7                 | 3        | No   |
| 15:45 - 16:45 | 312                               | + | 146      | = | 458   | 8                 | 5        | No   |
| 16:45 - 17:45 | 318                               | + | 123      | = | 441   | 7                 | 1        | No   |
| 15:30 - 16:30 | 291                               | + | 137      | = | 428   | 9                 | 5        | No   |
| 17:00 - 18:00 | 291                               | + | 115      | = | 406   | 6                 | 1        | No   |
| 17:15 - 18:15 | 274                               | + | 113      | = | 387   | 4                 | 1        | No   |
| 15:00 - 16:00 | 260                               | + | 127      | = | 387   | 10                | 5        | No   |
| 15:15 - 16:15 | 271                               | + | 115      | = | 386   | 8                 | 3        | No   |
| 14:45 - 15:45 | 258                               | + | 111      | = | 369   | 10                | 4        | No   |
| 14:30 - 15:30 | 230                               | + | 126      | = | 356   | 8                 | 4        | No   |
| 14:15 - 15:15 | 212                               | + | 142      | = | 354   | 6                 | 6        | No   |
| 17:30 - 18:30 | 218                               | + | 112      | = | 330   | 7                 | 2        | No   |
| 07:00 - 08:00 | 94                                | + | 230      | = | 324   | 27                | 5        | No   |
| 06:45 - 07:45 | 88                                | + | 234      | = | 322   | 22                | 6        | No   |
| 14:00 - 15:00 | 182                               | + | 129      | = | 311   | 4                 | 6        | No   |
| 07:15 - 08:15 | 104                               | + | 207      | = | 311   | 26                | 5        | No   |
| 17:45 - 18:45 | 180                               | + | 114      | = | 294   | 8                 | 2        | No   |
| 07:30 - 08:30 | 107                               | + | 178      | = | 285   | 20                | 5        | No   |
| 13:45 - 14:45 | 145                               | + | 137      | = | 282   | 3                 | 7        | No   |
| 06:30 - 07:30 | 69                                | + | 209      | = | 278   | 15                | 6        | No   |
| 13:30 - 14:30 | 132                               | + | 125      | = | 257   | 4                 | 7        | No   |
| 18:00 - 19:00 | 150                               | + | 104      | = | 254   | 11                | 1        | No   |
| 07:45 - 08:45 | 102                               |   | 145      |   | 247   | 15                | 6        | No   |

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2145

Study Date : 11/10/2021

## Warrant 1B - Interruption of Continuous Traffic

#### Description

Intended for sites where the volume of the major street is so heavy that traffic on the minor street suffers excessive delay or hazard.

#### Summary

Only 0 one hour periods meet minimums.  
Warrant is NOT met.

#### Site Data Required

Rural Settings Apply = **True**  
 Number of Major Lanes = **1**  
 Number of Minor Lanes = **1**

#### Volume Requirements

Rural Factor of 70 % applied  
 Veh/Hr Major = **525**  
 Veh/Hr Minor = **52**

| Time          | Major Road                        |   |          |   | Total | Minor Road        |          | Met? |
|---------------|-----------------------------------|---|----------|---|-------|-------------------|----------|------|
|               | Major NB                          | + | Major SB | = |       | Minor EB          | Minor WB |      |
|               | <b>CR 62 (Kettle River Blvd.)</b> |   |          |   |       | <b>155th Ave.</b> |          |      |
| 16:30 - 17:30 | 344                               | + | 135      | = | 479   | 7                 | 1        | No   |
| 16:15 - 17:15 | 326                               | + | 149      | = | 475   | 9                 | 3        | No   |
| 16:00 - 17:00 | 321                               | + | 150      | = | 471   | 7                 | 3        | No   |
| 15:45 - 16:45 | 312                               | + | 146      | = | 458   | 8                 | 5        | No   |
| 16:45 - 17:45 | 318                               | + | 123      | = | 441   | 7                 | 1        | No   |
| 15:30 - 16:30 | 291                               | + | 137      | = | 428   | 9                 | 5        | No   |
| 17:00 - 18:00 | 291                               | + | 115      | = | 406   | 6                 | 1        | No   |
| 17:15 - 18:15 | 274                               | + | 113      | = | 387   | 4                 | 1        | No   |
| 15:00 - 16:00 | 260                               | + | 127      | = | 387   | 10                | 5        | No   |
| 15:15 - 16:15 | 271                               | + | 115      | = | 386   | 8                 | 3        | No   |
| 14:45 - 15:45 | 258                               | + | 111      | = | 369   | 10                | 4        | No   |
| 14:30 - 15:30 | 230                               | + | 126      | = | 356   | 8                 | 4        | No   |
| 14:15 - 15:15 | 212                               | + | 142      | = | 354   | 6                 | 6        | No   |
| 17:30 - 18:30 | 218                               | + | 112      | = | 330   | 7                 | 2        | No   |
| 07:00 - 08:00 | 94                                | + | 230      | = | 324   | 27                | 5        | No   |
| 06:45 - 07:45 | 88                                | + | 234      | = | 322   | 22                | 6        | No   |
| 14:00 - 15:00 | 182                               | + | 129      | = | 311   | 4                 | 6        | No   |
| 07:15 - 08:15 | 104                               | + | 207      | = | 311   | 26                | 5        | No   |
| 17:45 - 18:45 | 180                               | + | 114      | = | 294   | 8                 | 2        | No   |
| 07:30 - 08:30 | 107                               | + | 178      | = | 285   | 20                | 5        | No   |
| 13:45 - 14:45 | 145                               | + | 137      | = | 282   | 3                 | 7        | No   |
| 06:30 - 07:30 | 69                                | + | 209      | = | 278   | 15                | 6        | No   |
| 13:30 - 14:30 | 132                               | + | 125      | = | 257   | 4                 | 7        | No   |
| 18:00 - 19:00 | 150                               | + | 104      | = | 254   | 11                | 1        | No   |
| 07:45 - 08:45 | 102                               |   | 145      |   | 247   | 15                | 6        | No   |

# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2145

Study Date : 11/10/2021

## Warrant 1C Combination of Warrants

#### Description

Intended for sites where the traffic volumes don't meet individual warrants but where Warrants 1A and 1B are both met to 80% of their stated values.

#### Summary

Only 0 hours meet 1A minimums.  
Only 0 hours meet 1B minimums.  
Warrant is NOT met.

#### Site Data Required

Rural Settings Apply = **True**  
Number of Major Lanes = **1**  
Number of Minor Lanes = **1**

#### Volume Requirements

Rural Factor of 70% applied  
Warrant 1A 1B  
Veh/Hr Major = **280 420**

Veh/Hr Minor = **84 42**

#### Major Road CR 62 (Kettle River Blvd.)

#### Minor Road 155th Ave.

| Time          | Major NB | + | Major SB | = | Total | Minor EB | Minor WB | Met1A? |
|---------------|----------|---|----------|---|-------|----------|----------|--------|
| 16:30 - 17:30 | 344      | + | 135      | = | 479   | 7        | 1        | No     |
| 16:15 - 17:15 | 326      | + | 149      | = | 475   | 9        | 3        | No     |
| 16:00 - 17:00 | 321      | + | 150      | = | 471   | 7        | 3        | No     |
| 15:45 - 16:45 | 312      | + | 146      | = | 458   | 8        | 5        | No     |
| 16:45 - 17:45 | 318      | + | 123      | = | 441   | 7        | 1        | No     |
| 15:30 - 16:30 | 291      | + | 137      | = | 428   | 9        | 5        | No     |
| 17:00 - 18:00 | 291      | + | 115      | = | 406   | 6        | 1        | No     |
| 15:00 - 16:00 | 260      | + | 127      | = | 387   | 10       | 5        | No     |
| 17:15 - 18:15 | 274      | + | 113      | = | 387   | 4        | 1        | No     |
| 15:15 - 16:15 | 271      | + | 115      | = | 386   | 8        | 3        | No     |
| 14:45 - 15:45 | 258      | + | 111      | = | 369   | 10       | 4        | No     |
| 14:30 - 15:30 | 230      | + | 126      | = | 356   | 8        | 4        | No     |

| Time          | Major NB | + | Major SB | = | Total | Minor EB | Minor WB | Met1B? |
|---------------|----------|---|----------|---|-------|----------|----------|--------|
| 16:30 - 17:30 | 344      | + | 135      | = | 479   | 7        | 1        | No     |
| 16:15 - 17:15 | 326      | + | 149      | = | 475   | 9        | 3        | No     |
| 16:00 - 17:00 | 321      | + | 150      | = | 471   | 7        | 3        | No     |
| 15:45 - 16:45 | 312      | + | 146      | = | 458   | 8        | 5        | No     |
| 16:45 - 17:45 | 318      | + | 123      | = | 441   | 7        | 1        | No     |
| 15:30 - 16:30 | 291      | + | 137      | = | 428   | 9        | 5        | No     |
| 17:00 - 18:00 | 291      | + | 115      | = | 406   | 6        | 1        | No     |
| 15:00 - 16:00 | 260      | + | 127      | = | 387   | 10       | 5        | No     |
| 17:15 - 18:15 | 274      | + | 113      | = | 387   | 4        | 1        | No     |
| 15:15 - 16:15 | 271      | + | 115      | = | 386   | 8        | 3        | No     |
| 14:45 - 15:45 | 258      | + | 111      | = | 369   | 10       | 4        | No     |
| 14:30 - 15:30 | 230      | + | 126      | = | 356   | 8        | 4        | No     |



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2145

Study Date : 11/10/2021

## Warrant 2 - Four Hour Volumes

#### Description

Intended for sites where the volume of intersecting traffic during any four hours of the day is the principal reason for consideration of a signal installation.

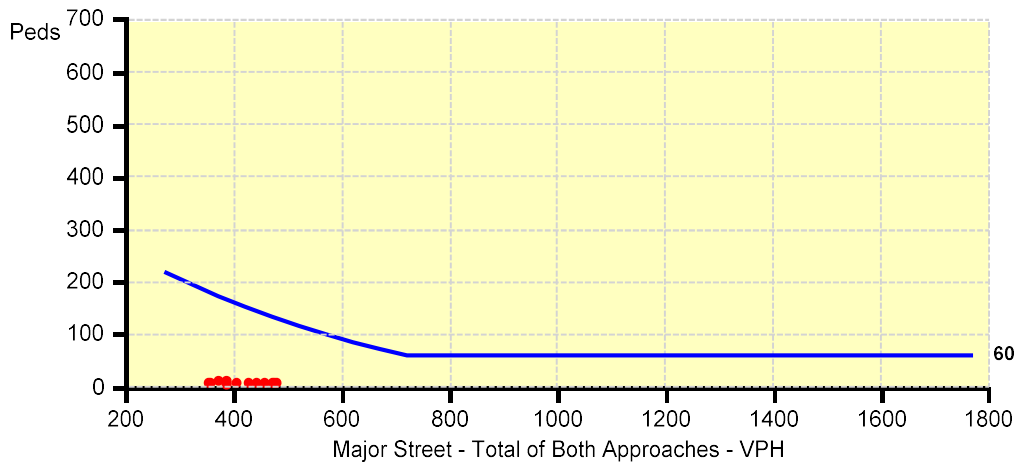
#### Summary

Only 0 one hour periods meet minimums.  
Warrant is NOT met.

#### Site Data Required

Rural Settings Apply = **True**  
 Number of Major Lanes = **1**  
 Number of Minor Lanes = **1**

| Time          | Major Road<br>CR 62 (Kettle River Blvd.) |   |          |   | =   | Total | Minor Road<br>155th Ave. |          | Met? |
|---------------|--|---|----------|---|-----|-------|--------------------------|----------|------|
|               | Major NB                                 | + | Major SB |   |     |       | Minor EB                 | Minor WB |      |
| 16:30 - 17:30 | 344                                      | + | 135      | = | 479 | 7     | 1                        | No       |      |
| 16:15 - 17:15 | 326                                      | + | 149      | = | 475 | 9     | 3                        | No       |      |
| 16:00 - 17:00 | 321                                      | + | 150      | = | 471 | 7     | 3                        | No       |      |
| 15:45 - 16:45 | 312                                      | + | 146      | = | 458 | 8     | 5                        | No       |      |
| 16:45 - 17:45 | 318                                      | + | 123      | = | 441 | 7     | 1                        | No       |      |
| 15:30 - 16:30 | 291                                      | + | 137      | = | 428 | 9     | 5                        | No       |      |
| 17:00 - 18:00 | 291                                      | + | 115      | = | 406 | 6     | 1                        | No       |      |
| 17:15 - 18:15 | 274                                      | + | 113      | = | 387 | 4     | 1                        | No       |      |
| 15:00 - 16:00 | 260                                      | + | 127      | = | 387 | 10    | 5                        | No       |      |
| 15:15 - 16:15 | 271                                      | + | 115      | = | 386 | 8     | 3                        | No       |      |
| 14:45 - 15:45 | 258                                      | + | 111      | = | 369 | 10    | 4                        | No       |      |
|               |  |   |          |   |     |       | 4                        | No       |      |



# ANOKA COUNTY HIGHWAY

## PC-WARRANTS

### TRAFFIC SIGNAL WARRANT ANALYSIS

Study Name: TMC 2145

Study Date : 11/10/2021

## Warrant 3B - Peak Hour Volumes

#### Description

Intended for sites where the volume of intersecting traffic during one hour of the day is the principal reason for consideration of a signal installation.

#### Summary

Only 0 one hour periods meet minimums.  
Warrant is NOT met.

#### Site Data Required

Rural Settings Apply = **True**  
 Number of Major Lanes = **1**  
 Number of Minor Lanes = **1**

| Time          | Major Road<br>CR 62 (Kettle River Blvd.) |   |          |   | =   | Total | Minor Road<br>155th Ave. |          | Met? |
|---------------|--|---|----------|---|-----|-------|--------------------------|----------|------|
|               | Major NB                                 | + | Major SB |   |     |       | Minor EB                 | Minor WB |      |
| 16:30 - 17:30 | 344                                      | + | 135      | = | 479 | 7     | 1                        | No       |      |
| 16:15 - 17:15 | 326                                      | + | 149      | = | 475 | 9     | 3                        | No       |      |
| 16:00 - 17:00 | 321                                      | + | 150      | = | 471 | 7     | 3                        | No       |      |
| 15:45 - 16:45 | 312                                      | + | 146      | = | 458 | 8     | 5                        | No       |      |
| 16:45 - 17:45 | 318                                      | + | 123      | = | 441 | 7     | 1                        | No       |      |
| 15:30 - 16:30 | 291                                      | + | 137      | = | 428 | 9     | 5                        | No       |      |
| 17:00 - 18:00 | 291                                      | + | 115      | = | 406 | 6     | 1                        | No       |      |
| 17:15 - 18:15 | 274                                      | + | 113      | = | 387 | 4     | 1                        | No       |      |
| 15:00 - 16:00 | 260                                      | + | 127      | = | 387 | 10    | 5                        | No       |      |
| 15:15 - 16:15 | 271                                      | + | 115      | = | 386 | 8     | 3                        | No       |      |
| 14:45 - 15:45 | 258                                      | + | 111      | = | 369 | 10    | 4                        | No       |      |
|               |  |   |          |   |     |       | 4                        | No       |      |

