

# TRAFFIC ANALYSIS REPORT

For Project: Speed Trailer  
Location/Name: 207 DEERFIELD S/B  
Report Generated: 7/20/2021 6:19:36 AM  
Speed Intervals = 5 mph  
Time Intervals = 5 minutes

Traffic Report From 7/13/2021 6:20:00 AM through 7/20/2021 6:10:00 AM

85th Percentile Speed = 28.3 mph  
85th Percentile Vehicles = 1,846 counts  
**Max Speed = 45.0 mph on 7/13/2021 8:00:00 PM**  
Total Vehicles = 2,172 counts  
AADT: 310.6

Volumes - weekly vehicle counts

| Time                      | 5 Day | 7 Day |
|---------------------------|-------|-------|
| Average Daily             | 273   | 293   |
| AM peak<br>10:00 to 11:00 | 18    | 19    |
| PM peak<br>5:00 to 6:00   | 22    | 25    |

Speed  
Speed limit: 25 mph  
85th Percentile Speed: 28.3 mph  
Average Speed: 23.1 mph

|                  | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday |
|------------------|--------|---------|-----------|----------|--------|----------|--------|
| Count over limit | 115    | 115     | 115       | 101      | 129    | 64       | 110    |
| % over limit     | 27.8   | 49.8    | 41.2      | 39.8     | 42.3   | 18.9     | 31.3   |
| Avg speeder      | 28.2   | 28.8    | 28.8      | 28.5     | 28.2   | 27.8     | 28.3   |

**85th percentile speeds, counts and total counts by hour:**

| <b>Date/Time Ending</b> | <b>85th pctl(mph)</b> | <b>85th pctl cnts</b> | <b>Total cnts</b> | <b>Max Speed</b> | <b>Avg Speeder</b> | <b>% Speeders</b> |
|-------------------------|-----------------------|-----------------------|-------------------|------------------|--------------------|-------------------|
| 7/13/2021 7:00:00 AM    | 0.0                   | 0                     | 0                 | 0                | NaN                | NaN               |
| 7/13/2021 8:00:00 AM    | 29.2                  | 12                    | 14                | 35               | 28.2               | 50.0%             |
| 7/13/2021 9:00:00 AM    | 27.5                  | 14                    | 16                | 30               | 27.5               | 25.0%             |
| 7/13/2021 10:00:00 AM   | 35.0                  | 14                    | 16                | 40               | 30.2               | 68.8%             |
| 7/13/2021 11:00:00 AM   | 30.0                  | 13                    | 15                | 35               | 28.6               | 60.0%             |
| 7/13/2021 12:00:00 PM   | 30.0                  | 14                    | 16                | 35               | 28.5               | 62.5%             |
| 7/13/2021 1:00:00 PM    | 28.8                  | 10                    | 12                | 35               | 28.5               | 41.7%             |
| 7/13/2021 2:00:00 PM    | 28.8                  | 14                    | 17                | 40               | 28.6               | 52.9%             |
| 7/13/2021 3:00:00 PM    | 32.5                  | 15                    | 18                | 40               | 30.0               | 66.7%             |
| 7/13/2021 4:00:00 PM    | 28.3                  | 8                     | 10                | 35               | 28.8               | 40.0%             |
| 7/13/2021 5:00:00 PM    | 28.3                  | 12                    | 14                | 30               | 27.5               | 42.9%             |
| 7/13/2021 6:00:00 PM    | 30.0                  | 14                    | 16                | 35               | 28.6               | 56.3%             |
| 7/13/2021 7:00:00 PM    | 27.9                  | 14                    | 17                | 30               | 27.5               | 41.2%             |
| 7/13/2021 8:00:00 PM    | 30.0                  | 13                    | 15                | 45               | 31.1               | 46.7%             |
| 7/13/2021 9:00:00 PM    | 27.5                  | 10                    | 12                | 30               | 27.5               | 33.3%             |
| 7/13/2021 10:00:00 PM   | 28.3                  | 4                     | 5                 | 30               | 27.5               | 60.0%             |
| 7/13/2021 11:00:00 PM   | 35.0                  | 2                     | 2                 | 35               | 32.5               | 50.0%             |
| 7/14/2021 12:00:00 AM   | 27.5                  | 3                     | 4                 | 30               | 27.5               | 50.0%             |
| 7/14/2021 1:00:00 AM    | 35.0                  | 3                     | 3                 | 35               | 32.5               | 33.3%             |
| 7/14/2021 2:00:00 AM    | 30.0                  | 2                     | 2                 | 30               | 27.5               | 50.0%             |
| 7/14/2021 3:00:00 AM    | 15.0                  | 1                     | 1                 | 15               | NaN                | 0.0%              |
| 7/14/2021 4:00:00 AM    | 0.0                   | 0                     | 0                 | 0                | NaN                | NaN               |
| 7/14/2021 5:00:00 AM    | 30.0                  | 2                     | 2                 | 30               | 27.5               | 100.0%            |
| 7/14/2021 6:00:00 AM    | 30.0                  | 6                     | 7                 | 35               | 28.5               | 71.4%             |
| 7/14/2021 7:00:00 AM    | 27.5                  | 6                     | 7                 | 30               | 27.5               | 28.6%             |
| 7/14/2021 8:00:00 AM    | 30.0                  | 7                     | 8                 | 35               | 28.8               | 50.0%             |
| 7/14/2021 9:00:00 AM    | 28.3                  | 14                    | 16                | 30               | 27.5               | 37.5%             |
| 7/14/2021 10:00:00 AM   | 28.8                  | 10                    | 12                | 35               | 28.5               | 41.7%             |
| 7/14/2021 11:00:00 AM   | 29.3                  | 11                    | 13                | 35               | 28.1               | 61.5%             |
| 7/14/2021 12:00:00 PM   | 31.7                  | 12                    | 14                | 35               | 29.6               | 50.0%             |
| 7/14/2021 1:00:00 PM    | 29.0                  | 18                    | 21                | 35               | 28.9               | 33.3%             |
| 7/14/2021 2:00:00 PM    | 28.0                  | 14                    | 16                | 30               | 27.5               | 31.3%             |

|                       |      |    |    |    |      |        |
|-----------------------|------|----|----|----|------|--------|
| 7/14/2021 3:00:00 PM  | 29.2 | 17 | 20 | 35 | 28.8 | 40.0%  |
| 7/14/2021 4:00:00 PM  | 28.9 | 19 | 22 | 40 | 28.5 | 45.5%  |
| 7/14/2021 5:00:00 PM  | 32.9 | 20 | 23 | 35 | 30.0 | 60.9%  |
| 7/14/2021 6:00:00 PM  | 28.9 | 17 | 20 | 35 | 28.0 | 50.0%  |
| 7/14/2021 7:00:00 PM  | 27.5 | 19 | 22 | 35 | 28.5 | 22.7%  |
| 7/14/2021 8:00:00 PM  | 29.0 | 14 | 16 | 35 | 28.3 | 37.5%  |
| 7/14/2021 9:00:00 PM  | 28.3 | 14 | 17 | 40 | 30.5 | 29.4%  |
| 7/14/2021 10:00:00 PM | 25.0 | 8  | 10 | 40 | 35.0 | 20.0%  |
| 7/14/2021 11:00:00 PM | 22.5 | 3  | 4  | 25 | NaN  | 0.0%   |
| 7/15/2021 12:00:00 AM | 30.0 | 2  | 2  | 30 | 27.5 | 50.0%  |
| 7/15/2021 1:00:00 AM  | 30.0 | 2  | 2  | 30 | 27.5 | 50.0%  |
| 7/15/2021 2:00:00 AM  | 30.0 | 1  | 1  | 30 | 27.5 | 100.0% |
| 7/15/2021 3:00:00 AM  | 30.0 | 1  | 1  | 30 | 27.5 | 100.0% |
| 7/15/2021 4:00:00 AM  | 0.0  | 0  | 0  | 0  | NaN  | NaN    |
| 7/15/2021 5:00:00 AM  | 30.0 | 1  | 1  | 30 | 27.5 | 100.0% |
| 7/15/2021 6:00:00 AM  | 30.0 | 3  | 3  | 30 | 27.5 | 33.3%  |
| 7/15/2021 7:00:00 AM  | 28.3 | 7  | 8  | 30 | 27.5 | 37.5%  |
| 7/15/2021 8:00:00 AM  | 27.5 | 8  | 10 | 30 | 27.5 | 40.0%  |
| 7/15/2021 9:00:00 AM  | 27.9 | 15 | 18 | 30 | 27.5 | 38.9%  |
| 7/15/2021 10:00:00 AM | 27.5 | 15 | 18 | 30 | 27.5 | 33.3%  |
| 7/15/2021 11:00:00 AM | 30.0 | 14 | 16 | 40 | 30.5 | 31.3%  |
| 7/15/2021 12:00:00 PM | 29.0 | 11 | 13 | 35 | 28.3 | 46.2%  |
| 7/15/2021 1:00:00 PM  | 28.0 | 13 | 15 | 30 | 27.5 | 33.3%  |
| 7/15/2021 2:00:00 PM  | 26.3 | 14 | 17 | 30 | 27.5 | 23.5%  |
| 7/15/2021 3:00:00 PM  | 28.6 | 11 | 13 | 30 | 27.5 | 53.8%  |
| 7/15/2021 4:00:00 PM  | 32.5 | 12 | 14 | 45 | 30.3 | 64.3%  |
| 7/15/2021 5:00:00 PM  | 31.7 | 19 | 22 | 40 | 30.0 | 45.5%  |
| 7/15/2021 6:00:00 PM  | 30.0 | 13 | 15 | 40 | 30.0 | 40.0%  |
| 7/15/2021 7:00:00 PM  | 30.0 | 11 | 13 | 35 | 29.5 | 38.5%  |
| 7/15/2021 8:00:00 PM  | 28.6 | 16 | 19 | 35 | 28.1 | 42.1%  |
| 7/15/2021 9:00:00 PM  | 29.2 | 14 | 16 | 35 | 28.2 | 43.8%  |
| 7/15/2021 10:00:00 PM | 23.3 | 8  | 10 | 25 | NaN  | 0.0%   |
| 7/15/2021 11:00:00 PM | 28.3 | 5  | 6  | 30 | 27.5 | 50.0%  |
| 7/16/2021 12:00:00 AM | 30.0 | 3  | 3  | 30 | 27.5 | 33.3%  |

|                       |      |    |    |    |      |        |
|-----------------------|------|----|----|----|------|--------|
| 7/16/2021 1:00:00 AM  | 30.0 | 3  | 3  | 30 | 27.5 | 33.3%  |
| 7/16/2021 2:00:00 AM  | 30.0 | 3  | 3  | 30 | 27.5 | 33.3%  |
| 7/16/2021 3:00:00 AM  | 25.0 | 1  | 1  | 25 | NaN  | 0.0%   |
| 7/16/2021 4:00:00 AM  | 0.0  | 0  | 0  | 0  | NaN  | NaN    |
| 7/16/2021 5:00:00 AM  | 30.0 | 1  | 1  | 30 | 27.5 | 100.0% |
| 7/16/2021 6:00:00 AM  | 25.0 | 1  | 1  | 25 | NaN  | 0.0%   |
| 7/16/2021 7:00:00 AM  | 30.0 | 7  | 8  | 35 | 29.2 | 37.5%  |
| 7/16/2021 8:00:00 AM  | 29.2 | 14 | 16 | 35 | 28.2 | 43.8%  |
| 7/16/2021 9:00:00 AM  | 27.5 | 11 | 13 | 30 | 27.5 | 30.8%  |
| 7/16/2021 10:00:00 AM | 27.9 | 17 | 20 | 30 | 27.5 | 35.0%  |
| 7/16/2021 11:00:00 AM | 28.6 | 15 | 18 | 35 | 28.1 | 44.4%  |
| 7/16/2021 12:00:00 PM | 27.9 | 16 | 19 | 30 | 27.5 | 36.8%  |
| 7/16/2021 1:00:00 PM  | 30.0 | 13 | 15 | 40 | 29.6 | 46.7%  |
| 7/16/2021 2:00:00 PM  | 29.4 | 14 | 17 | 35 | 28.4 | 64.7%  |
| 7/16/2021 3:00:00 PM  | 28.3 | 19 | 22 | 30 | 27.5 | 40.9%  |
| 7/16/2021 4:00:00 PM  | 28.5 | 15 | 18 | 30 | 27.5 | 55.6%  |
| 7/16/2021 5:00:00 PM  | 28.8 | 11 | 13 | 35 | 28.5 | 38.5%  |
| 7/16/2021 6:00:00 PM  | 28.6 | 15 | 18 | 35 | 28.1 | 44.4%  |
| 7/16/2021 7:00:00 PM  | 28.3 | 9  | 11 | 30 | 27.5 | 54.5%  |
| 7/16/2021 8:00:00 PM  | 28.3 | 16 | 19 | 30 | 27.5 | 47.4%  |
| 7/16/2021 9:00:00 PM  | 29.3 | 20 | 23 | 35 | 28.6 | 39.1%  |
| 7/16/2021 10:00:00 PM | 28.0 | 21 | 25 | 35 | 28.9 | 28.0%  |
| 7/16/2021 11:00:00 PM | 30.0 | 14 | 16 | 40 | 29.4 | 50.0%  |
| 7/17/2021 12:00:00 AM | 25.0 | 4  | 5  | 30 | 27.5 | 20.0%  |
| 7/17/2021 1:00:00 AM  | 23.8 | 3  | 4  | 25 | NaN  | 0.0%   |
| 7/17/2021 2:00:00 AM  | 25.0 | 3  | 3  | 25 | NaN  | 0.0%   |
| 7/17/2021 3:00:00 AM  | 25.0 | 2  | 2  | 25 | NaN  | 0.0%   |
| 7/17/2021 4:00:00 AM  | 0.0  | 0  | 0  | 0  | NaN  | NaN    |
| 7/17/2021 5:00:00 AM  | 25.0 | 1  | 1  | 25 | NaN  | 0.0%   |
| 7/17/2021 6:00:00 AM  | 30.0 | 3  | 3  | 30 | 27.5 | 66.7%  |
| 7/17/2021 7:00:00 AM  | 25.0 | 4  | 5  | 35 | 32.5 | 20.0%  |
| 7/17/2021 8:00:00 AM  | 20.0 | 1  | 1  | 20 | NaN  | 0.0%   |
| 7/17/2021 9:00:00 AM  | 23.3 | 3  | 4  | 25 | NaN  | 0.0%   |
| 7/17/2021 10:00:00 AM | 25.0 | 4  | 5  | 30 | 27.5 | 20.0%  |

|                       |      |    |    |    |      |       |
|-----------------------|------|----|----|----|------|-------|
| 7/17/2021 11:00:00 AM | 27.5 | 10 | 12 | 30 | 27.5 | 33.3% |
| 7/17/2021 12:00:00 PM | 27.0 | 18 | 21 | 30 | 27.5 | 23.8% |
| 7/17/2021 1:00:00 PM  | 24.2 | 16 | 19 | 30 | 27.5 | 5.3%  |
| 7/17/2021 2:00:00 PM  | 28.8 | 16 | 19 | 35 | 28.1 | 47.4% |
| 7/17/2021 3:00:00 PM  | 28.3 | 25 | 29 | 30 | 27.5 | 41.4% |
| 7/17/2021 4:00:00 PM  | 27.5 | 21 | 25 | 30 | 27.5 | 32.0% |
| 7/17/2021 5:00:00 PM  | 24.3 | 26 | 30 | 30 | 27.5 | 3.3%  |
| 7/17/2021 6:00:00 PM  | 26.3 | 24 | 28 | 35 | 28.5 | 17.9% |
| 7/17/2021 7:00:00 PM  | 26.0 | 27 | 32 | 35 | 28.3 | 18.8% |
| 7/17/2021 8:00:00 PM  | 24.3 | 24 | 28 | 30 | 27.5 | 7.1%  |
| 7/17/2021 9:00:00 PM  | 24.7 | 16 | 19 | 30 | 27.5 | 10.5% |
| 7/17/2021 10:00:00 PM | 25.0 | 14 | 17 | 30 | 27.5 | 17.6% |
| 7/17/2021 11:00:00 PM | 23.8 | 22 | 26 | 30 | 27.5 | 7.7%  |
| 7/18/2021 12:00:00 AM | 20.0 | 4  | 5  | 25 | NaN  | 0.0%  |
| 7/18/2021 1:00:00 AM  | 28.3 | 6  | 7  | 30 | 27.5 | 42.9% |
| 7/18/2021 2:00:00 AM  | 25.0 | 3  | 3  | 25 | NaN  | 0.0%  |
| 7/18/2021 3:00:00 AM  | 23.8 | 3  | 4  | 25 | NaN  | 0.0%  |
| 7/18/2021 4:00:00 AM  | 25.0 | 1  | 1  | 25 | NaN  | 0.0%  |
| 7/18/2021 5:00:00 AM  | 0.0  | 0  | 0  | 0  | NaN  | NaN   |
| 7/18/2021 6:00:00 AM  | 25.0 | 1  | 1  | 25 | NaN  | 0.0%  |
| 7/18/2021 7:00:00 AM  | 23.3 | 5  | 6  | 25 | NaN  | 0.0%  |
| 7/18/2021 8:00:00 AM  | 25.0 | 5  | 6  | 40 | 37.5 | 16.7% |
| 7/18/2021 9:00:00 AM  | 25.0 | 7  | 8  | 30 | 27.5 | 12.5% |
| 7/18/2021 10:00:00 AM | 26.7 | 10 | 12 | 30 | 27.5 | 25.0% |
| 7/18/2021 11:00:00 AM | 27.8 | 28 | 33 | 35 | 28.0 | 30.3% |
| 7/18/2021 12:00:00 PM | 28.3 | 30 | 35 | 35 | 28.4 | 31.4% |
| 7/18/2021 1:00:00 PM  | 28.3 | 20 | 23 | 30 | 27.5 | 39.1% |
| 7/18/2021 2:00:00 PM  | 28.7 | 32 | 38 | 35 | 28.1 | 44.7% |
| 7/18/2021 3:00:00 PM  | 27.2 | 33 | 39 | 35 | 28.0 | 25.6% |
| 7/18/2021 4:00:00 PM  | 28.9 | 27 | 32 | 35 | 28.8 | 37.5% |
| 7/18/2021 5:00:00 PM  | 28.9 | 22 | 26 | 35 | 28.4 | 42.3% |
| 7/18/2021 6:00:00 PM  | 26.3 | 16 | 19 | 30 | 27.5 | 21.1% |
| 7/18/2021 7:00:00 PM  | 27.5 | 11 | 13 | 30 | 27.5 | 30.8% |
| 7/18/2021 8:00:00 PM  | 23.3 | 9  | 11 | 25 | NaN  | 0.0%  |

|                       |      |    |    |    |      |        |
|-----------------------|------|----|----|----|------|--------|
| 7/18/2021 9:00:00 PM  | 28.3 | 11 | 13 | 35 | 28.8 | 30.8%  |
| 7/18/2021 10:00:00 PM | 30.0 | 8  | 9  | 35 | 29.2 | 33.3%  |
| 7/18/2021 11:00:00 PM | 30.0 | 5  | 6  | 35 | 29.2 | 50.0%  |
| 7/19/2021 12:00:00 AM | 30.0 | 6  | 7  | 35 | 28.8 | 57.1%  |
| 7/19/2021 1:00:00 AM  | 20.0 | 3  | 3  | 20 | NaN  | 0.0%   |
| 7/19/2021 2:00:00 AM  | 30.0 | 3  | 3  | 30 | 27.5 | 33.3%  |
| 7/19/2021 3:00:00 AM  | 30.0 | 1  | 1  | 30 | 27.5 | 100.0% |
| 7/19/2021 4:00:00 AM  | 30.0 | 3  | 3  | 30 | 27.5 | 33.3%  |
| 7/19/2021 5:00:00 AM  | 30.0 | 1  | 1  | 30 | 27.5 | 100.0% |
| 7/19/2021 6:00:00 AM  | 28.3 | 6  | 7  | 30 | 27.5 | 42.9%  |
| 7/19/2021 7:00:00 AM  | 26.7 | 12 | 14 | 30 | 27.5 | 21.4%  |
| 7/19/2021 8:00:00 AM  | 26.7 | 13 | 15 | 30 | 27.5 | 20.0%  |
| 7/19/2021 9:00:00 AM  | 26.3 | 21 | 25 | 35 | 28.5 | 20.0%  |
| 7/19/2021 10:00:00 AM | 26.3 | 18 | 21 | 30 | 27.5 | 19.0%  |
| 7/19/2021 11:00:00 AM | 27.5 | 25 | 29 | 35 | 28.2 | 24.1%  |
| 7/19/2021 12:00:00 PM | 25.0 | 16 | 19 | 30 | 27.5 | 15.8%  |
| 7/19/2021 1:00:00 PM  | 25.0 | 16 | 19 | 45 | 32.5 | 15.8%  |
| 7/19/2021 2:00:00 PM  | 27.5 | 24 | 28 | 35 | 29.2 | 21.4%  |
| 7/19/2021 3:00:00 PM  | 25.8 | 26 | 31 | 30 | 27.5 | 19.4%  |
| 7/19/2021 4:00:00 PM  | 28.8 | 27 | 32 | 35 | 28.2 | 43.8%  |
| 7/19/2021 5:00:00 PM  | 28.6 | 31 | 37 | 35 | 28.1 | 43.2%  |
| 7/19/2021 6:00:00 PM  | 28.5 | 35 | 41 | 35 | 28.2 | 36.6%  |
| 7/19/2021 7:00:00 PM  | 26.7 | 25 | 29 | 30 | 27.5 | 20.7%  |
| 7/19/2021 8:00:00 PM  | 29.2 | 16 | 19 | 40 | 29.4 | 42.1%  |
| 7/19/2021 9:00:00 PM  | 26.7 | 14 | 16 | 30 | 27.5 | 18.8%  |
| 7/19/2021 10:00:00 PM | 27.5 | 10 | 12 | 35 | 29.2 | 25.0%  |
| 7/19/2021 11:00:00 PM | 28.3 | 6  | 7  | 30 | 27.5 | 42.9%  |
| 7/20/2021 12:00:00 AM | 20.0 | 1  | 1  | 20 | NaN  | 0.0%   |
| 7/20/2021 1:00:00 AM  | 32.5 | 5  | 6  | 35 | 30.0 | 66.7%  |
| 7/20/2021 2:00:00 AM  | 30.0 | 1  | 1  | 30 | 27.5 | 100.0% |
| 7/20/2021 3:00:00 AM  | 25.0 | 1  | 1  | 25 | NaN  | 0.0%   |
| 7/20/2021 4:00:00 AM  | 0.0  | 0  | 0  | 0  | NaN  | NaN    |
| 7/20/2021 5:00:00 AM  | 0.0  | 0  | 0  | 0  | NaN  | NaN    |
| 7/20/2021 6:00:00 AM  | 25.0 | 3  | 4  | 30 | 27.5 | 25.0%  |

7/20/2021 7:00:00 AM 25.0 1 1 25 NaN 0.0%

**85th percentile speeds, counts and total counts by day:**

| Date/Time Ending      | 85th pctl(mph) | 85th pctl counts | Total | Max Speed | Avg Speeder | % Speeders |
|-----------------------|----------------|------------------|-------|-----------|-------------|------------|
| 7/14/2021 12:00:00 AM | 29.4           | 186              | 219   | 45        | 28.8        | 50.2%      |
| 7/15/2021 12:00:00 AM | 29.1           | 236              | 278   | 40        | 28.8        | 41.0%      |
| 7/16/2021 12:00:00 AM | 28.7           | 216              | 254   | 45        | 28.5        | 39.8%      |
| 7/17/2021 12:00:00 AM | 28.6           | 259              | 305   | 40        | 28.2        | 42.3%      |
| 7/18/2021 12:00:00 AM | 26.1           | 287              | 338   | 35        | 27.8        | 18.9%      |
| 7/19/2021 12:00:00 AM | 28.0           | 299              | 352   | 40        | 28.3        | 31.3%      |
| 7/20/2021 12:00:00 AM | 27.6           | 351              | 413   | 45        | 28.2        | 27.8%      |
| 7/20/2021 6:10:00 AM  | 30.0           | 11               | 13    | 35        | 29.2        | 46.2%      |