**Performance Measures**

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| **Fields** | **Description** |
| LinkID | Unique identifier for the link from NAVTEQ street network |
| Direction | Travel directions of a navigable link from NAVTEQ street network, including F as from reference node and T as to reference node. |
| PcntSpeed\_85thAll | The 85th percentile speed for all days and time periods in a year |
| TotalIntervals\_85thAll | Number of 15-min intervals with probe data in a year |
| PcntInterval\_85thAll | Percentage of 15-min intervals with probe data in a year. It is calculated as 100\*TotalIntervals\_85thAll/(number of days in that year\*24\*4). |
| StdDev\_85thAll | Standard deviation of speeds in a year. It is calculated as , where , is the average speed and standard deviation of interval , respectively; X is the average speed of the time period of interest which is calculated as ; N is the total number of intervals with probe data. |
| PcntSpeed\_85thWd | The 85th percentile speed based on non-holiday weekday data |
| TotalIntervals\_85thWd | Number of 15-min intervals with probe data during non-holiday weekdays. |
| PcntInterval\_85thWd | Percentage of 15-min intervals with probe data during non-holiday weekdays. It is calculated as 100\*TotalIntervals\_85thWd/(Number of non-holiday weekdays\*24\*4). |
| StdDev\_85thWd | Standard deviation of all 15-min speeds during non-holiday weekdays. It is calculated as  , where , is the average speed and standard deviation of interval , respectively; X is the average speed of the time period of interest which is calculated as ; N is the total number of intervals with probe data. |
| PcntSpeed\_85thWend | The 85th percentile speed for weekends |
| TotalIntervals\_85thWend | Number of 15-min intervals with probe data during weekends. |
| PcntInterval\_85thWend | Percentage of 15-min intervals with probe data during weekends. It is calculated as 100\*TotalIntervals\_85thWend/(number of weekends\*24\*4). |
| StdDev\_85thWend | Standard deviation of all the speeds during weekends. It is calculated as , where , is the average speed and standard deviation of interval , respectively; X is the average speed of the time period of interest which is calculated as ; N is the total number of intervals with probe data. |
| PcntSpeed\_60thWdtime | 60th percentile speed during non-holiday weekday daytime from 6am to 8pm on urban interrupted facilities |
| PcntSpeed\_85thWdtime | 85th percentile speed during non-holiday weekday daytime from 6am to 8pm on urban interrupted facilities |
| TotalIntervals\_Wdtime | Number of 15-min intervals with probe data during non-holiday weekday daytime from 6am to 8pm |
| PcntInterval\_Wdtime | Percentage of 15-min intervals with probe data during non-holiday weekday daytime from 6am to 8pm. It is calculated as 100\*TotalIntervals\_Wdtime/(number of non-holiday weekdays\*14\*4). |
| StdDev\_Wdtime | Standard deviation of all the speeds during non-holiday weekday daytime from 6am to 8pm. |
| PcntSpeed\_Wday5thAM | 5th percentile speed during non-holiday weekday AM peak from 6am to 9am |
| AvgSpeed\_WdayAM | Average speed during non-holiday weekday AM peak from 6am to 9am. It is calculated as , where is the average speed of interval ; N is the total number of intervals that have probe data. |
| TotalIntervals\_WdayAM | Number of 15-min intervals with probe data during non-holiday weekday AM peak from 6am to 9am |
| PcntInterval\_WdayAM | Percentage of 15-min intervals that have probe data during non-holiday weekday AM peak from 6am to 9am. It is calculated as 100\*TotalIntervals\_WdayAM/(number of non-holiday weekdays\*3\*4). |
| StdDev\_WdayAM | Standard deviation of all the speeds during non-holiday weekday AM peak from 6am to 9am. It is calculated as , where , is the average speed and standard deviation of interval , respectively; X is the average speed of the time period of interest which is calculated as ; N is the total number of intervals with probe data. |
| PcntSpeed\_Wday5thMD | 5th percentile speed during non-holiday weekday mid-day period from 9am to 3pm |
| AvgSpeed\_WdayMD | Average speed during non-holiday weekday mid-day period from 9am to 3pm. It is calculated as , where is the average speed of interval ; N is the total number of intervals that have probe data. |
| TotalIntervals\_WdayMD | Number of 15-min intervals with probe data during non-holiday weekday mid-day period from 9am to 3pm |
| PcntInterval\_WdayMD | Percentage of 15-min intervals with probe data during non-holiday weekday mid-day period from 9am to 3pm. It is calculated as 100\*TotalIntervals\_WdayMD/(number of non-holiday weekdays\*6\*4).. |
| StdDev\_WdayMD | Standard deviation of all the speeds during non-holiday weekday mid-day period from 9am to 3pm. It is calculated as , where , is the average speed and standard deviation of interval , respectively; X is the average speed of the time period of interest which is calculated as ; N is the total number of intervals with probe data. |
| PcntSpeed\_Wday5thPM | 5th percentile speed during non-holiday weekday PM peak from 3pm to 6pm |
| AvgSpeed\_WdayPM | Average speed during non-holiday weekday PM peak from 3pm to 6pm. It is calculated as , where is the average speed of interval ; N is the total number of intervals that have probe data. |
| TotalIntervals\_WdayPM | Number of 15-min intervals with probe data during non-holiday weekday PM peak from 3pm to 6pm |
| PcntInterval\_WdayPM | Percentage of 15-min intervals with probe data during non-holiday weekday PM peak from 3pm to 6pm. It is calculated as 100\*TotalIntervals\_WdayPM/(number of non-holiday weekdays\*3\*4). |
| StdDev\_WdayPM | Standard deviation of all the speeds during non-holiday weekday PM peak from 3pm to 6pm. It is calculated as , where , is the average speed and standard deviation of interval , respectively; X is the average speed of the time period of interest which is calculated as ; N is the total number of intervals with probe data. |
| TTI\_SL\_AM | Travel time index using speed limit as reference speed during AM peak period |
| TTI\_SL\_MD | Travel time index using speed limit as reference speed during mid-day period |
| TTI\_SL\_PM | Travel time index using speed limit as reference speed during PM peak period |
| PTI\_SL\_AM | Planning time index using speed limit as reference speed during AM peak period |
| PTI\_SL\_MD | Planning time index using speed limit as reference speed during mid-day period |
| PTI\_SL\_PM | Planning time index using speed limit as reference speed during PM peak period |
| TTI\_85thAll\_AM | Travel time index using 85th percentile speed of all day as reference speed during AM peak period |
| TTI\_85thAll\_MD | Travel time index using 85th percentile speed of all day as reference speed during Mid-day period |
| TTI\_85thAll\_PM | Travel time index using 85th percentile speed of all day as reference speed during PM peak period |
| PTI\_85thAll\_AM | Planning time index using 85th percentile speed of all day as reference speed during AM peak period |
| PTI\_85thAll\_MD | Planning time index using 85th percentile speed of all day as reference speed during mid-day period |
| PTI\_85thAll\_PM | Planning time index using 85th percentile speed of all day as reference speed during PM peak period |
| TTI\_85thWd\_AM | Travel time index using 85th percentile speed of non-holiday weekdays as reference speed during AM peak period |
| TTI\_85thWd\_MD | Travel time index using 85th percentile speed of non-holiday weekdays as reference speed during mid-day period |
| TTI\_85thWd\_PM | Travel time index using 85th percentile speed of non-holiday weekdays as reference speed during PM peak period |
| PTI\_85thWd\_AM | Planning time index using 85th percentile speed of non-holiday weekdays as reference speed during AM peak period |
| PTI\_85thWd\_MD | Planning time index using 85th percentile speed of non-holiday weekdays as reference speed during mid-day period |
| PTI\_85thWd\_PM | Planning time index using 85th percentile speed of non-holiday weekdays as reference speed during PM peak period |
| TTI\_60thWdtime\_AM | Travel time index using 60th percentile speed of non-holiday weekday daytime as reference speed during AM peak period |
| TTI\_60thWdtime\_MD | Travel time index using 60th percentile speed of non-holiday weekday daytime as reference speed during mid-day period |
| TTI\_60thWdtime \_PM | Travel time index using 60th percentile speed of non-holiday weekday daytime as reference speed during PM peak period |
| PTI\_60thWdtime \_AM | Planning time index using 60th percentile speed of non-holiday weekday daytime as reference speed during AM peak period |
| PTI\_60thWdtime \_MD | Planning time index using 60th percentile speed of non-holiday weekday daytime as reference speed during mid-day period |
| PTI\_60thWdtime \_PM | Planning time index using 60th percentile speed of non-holiday weekday daytime as reference speed during PM peak period |
| TTI\_85thWdtime\_AM | Travel time index using 85th percentile speed of non-holiday weekday daytime as reference speed during AM peak period |
| TTI\_85thWdtime\_MD | Travel time index using 85th percentile speed of non-holiday weekday daytime as reference speed during mid-day period |
| TTI\_85thWdtime \_PM | Travel time index using 85th percentile speed of non-holiday weekday daytime as reference speed during PM peak period |
| PTI\_85thWdtime \_AM | Planning time index using 85th percentile speed of non-holiday weekday daytime as reference speed during AM peak period |
| PTI\_85thWdtime \_MD | Planning time index using 85th percentile speed of non-holiday weekday daytime as reference speed during mid-day period |
| PTI\_85thWdtime \_PM | Planning time index using 85th percentile speed of non-holiday weekday daytime as reference speed during PM peak period |
| BTI\_AM | Buffer time index during AM peak period |
| BTI\_MD | Buffer time index during midday period |
| BTI\_PM | Buffer time index during PM peak period |
| WdayDelay\_SL | Total vehicle-hours of travel delay during weekdays using speed limit as reference speed |
| WdayDelay\_All85 | Total vehicle-hours of travel delay during weekdays using 85th percentile speed of all days (PcntSpeed\_85thAll) as reference speed |
| WdayDelay\_Wday85 | Total vehicle-hours of travel delay during weekdays using 85th percentile speed of non-holiday weekdays (PcntSpeed\_85thWd) as reference speed |
| WdayDelay\_Wdaytime85 | Total vehicle-hours of travel delay during weekdays: using 85th percentile speed of non-holiday weekday daytime (PcntSpeed\_85thWdtime ) as reference speed for daytime period (6am-8pm); using 85th percentile speed of non-holiday weekdays (PcntSpeed\_85thWd) as reference speed for night-time period (8pm-6am) |
| WdayDelay\_Wdaytime60 | Total vehicle-hours of travel delay during weekdays: using 60th percentile speed of non-holiday weekday daytime (PcntSpeed\_60thWdtime ) as reference speed for daytime period (6am-8pm); using 85th percentile speed of non-holiday weekdays (PcntSpeed\_85thWd) as reference speed for night-time period (8pm-6am) |
| WendDelay\_SL | Total vehicle-hours of travel delay during weekends using speed limit as reference speed |
| WendDelay\_All85 | Total vehicle-hours of travel delay during weekends using 85th percentile speed of all days (PcntSpeed\_85thAll) as reference speed |
| WendDelay\_Wend85 | Total vehicle-hours of travel delay during weekends using 85th percentile speed of weekend (PcntSpeed\_85thWend) as reference speed |
| YearDelay\_SL | Total vehicle-hours of travel delay for a whole year using speed limit as reference speed, it can be calculated as YearDelay\_SL =WdayDelay\_SL + WendDelay\_SL |
| YearDelay\_All85 | Total vehicle-hours of travel delay for a whole year using 85th percentile speed of all days as reference speed, it can be calculated as YearDelay\_ All85 =WdayDelay\_ All85 + WendDelay\_ All85 |
| Wday\_VMT | Total vehicle miles traveled during weekdays |
| Wday\_VMT\_SL | Vehicle miles traveled with speed below speed limit during weekdays |
| Wday\_VMT\_All85 | Vehicle miles traveled with speed below 85th percentile speed of all days (PcntSpeed\_85thAll) during weekdays |
| Wday\_VMT\_Wd85 | Vehicle miles traveled with speed below 85th percentile speed of non-holiday weekdays (PcntSpeed\_85thWd) during weekdays |
| Wday\_VMT\_Wdaytime85 | Vehicle miles traveled with speed below the reference speed during weekdays: using 85th percentile speed of non-holiday weekday daytime (PcntSpeed\_85thWdtime ) as reference speed for daytime period (6am-8pm); using 85th percentile speed of non-holiday weekdays (PcntSpeed\_85thWd) as reference speed for night-time period (8pm-6am) |
| Wday\_VMT\_Wdaytime60 | Vehicle miles traveled with speed below the reference speed during weekdays: using 60th percentile speed of non-holiday weekday daytime (PcntSpeed\_60thWdtime ) as reference speed for daytime period (6am-8pm); using 85th percentile speed of non-holiday weekdays (PcntSpeed\_85thWd) as reference speed for night-time period (8pm-6am) |
| Wday\_VHT | Total vehicle hours traveled during weekdays |
| Wday\_VHT\_SL | Vehicle hours traveled with speed below speed limit during weekdays |
| Wday\_VHT\_All85 | Vehicle hours traveled with speed below 85th percentile speed of all days (PcntSpeed\_85thAll) during weekdays |
| Wday\_VHT\_Wd85 | Vehicle hours traveled with speed below 85th percentile speed of non-holiday weekdays (PcntSpeed\_85thWd) during weekdays |
| Wday\_VHT\_Wdaytime85 | Vehicle hours traveled with speed below the reference speed during weekdays: using 85th percentile speed of non-holiday weekday daytime (PcntSpeed\_85thWdtime ) as reference speed for daytime period (6am-8pm); using 85th percentile speed of non-holiday weekdays (PcntSpeed\_85thWd) as reference speed for night-time period (8pm-6am) |
| Wday\_VHT\_Wdaytime60 | Vehicle hours traveled with speed below the reference speed during weekdays: using 60th percentile speed of non-holiday weekday daytime (PcntSpeed\_60thWdtime ) as reference speed for daytime period (6am-8pm); using 85th percentile speed of non-holiday weekdays (PcntSpeed\_85thWd) as reference speed for night-time period (8pm-6am) |
| Wend\_VMT | Total vehicle miles traveled during weekends |
| Wend\_VMT\_SL | Vehicle miles traveled with speed below speed limit during weekends |
| Wend\_VMT\_All85 | Vehicle miles traveled with speed below 85th percentile speed of all day (PcntSpeed\_85thAll) during weekends |
| Wend\_VMT\_Wend85 | Vehicle miles traveled with speed below 85th percentile speed of weekend (PcntSpeed\_85thWend) during weekends |
| Wend\_VHT | Total vehicle hours traveled during weekends |
| Wend\_VHT\_SL | Vehicle hours traveled with speed below speed limit during weekends |
| Wend\_VHT\_All85 | Vehicle hours traveled with speed below 85th percentile speed of all days (PcntSpeed\_85thAll) during weekends |
| Wend\_VHT\_Wend85 | Vehicle hours traveled with speed below 85th percentile speed of weekend (PcntSpeed\_85thWend) during weekends |
| All\_VMT | Total vehicle miles traveled in a year: Wday\_VMT + Wend\_VMT |
| All\_VMT\_SL | Vehicle miles traveled with speed below speed limit in a year: Wday\_VMT\_SL + Wend\_VMT\_SL |
| All\_VMT\_All85 | Vehicle miles traveled with speed below 85th percentile speed of all days in a year: Wday\_VMT\_All85 + Wend\_VMT\_All85 |
| All\_VHT | Total vehicle hours traveled in a year: Wday\_VHT + Wend\_VHT |
| All\_VHT\_SL | Vehicle hours traveled with speed below speed limit in a year: Wday\_VHT\_SL + Wend\_VHT\_SL |
| All\_VHT\_All85 | Vehicle hours traveled with speed below 85th percentile speed of all days in a year: Wday\_VHT\_All85 + Wend\_VHT\_All85 |

**Holidays in 2013 and 2014**

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| 2013 | | |
| Holiday | Date | Day of Week |
| New Year's Day | 1/1/2013 | Tuesday |
| Memorial Day | 5/27/2013 | Monday |
| Independence Day | 7/4/2013 | Thursday |
| Labor Day | 9/2/2013 | Monday |
| Thanksgiving Day | 11/28/2013 | Thursday |
| Thanksgiving Day | 11/29/2013 | Friday |
| Christmas | 12/25/2013 | Wednesday |
|  | | |
| 2014 | | |
| Holiday | Date | Day of Week |
| New Year's Day | 1/1/2014 | Wednesday |
| Memorial Day | 5/26/2014 | Monday |
| Independence Day | 7/4/2014 | Friday |
| Labor Day | 9/1/2014 | Monday |
| Thanksgiving Day | 11/27/2014 | Thursday |
| Thanksgiving Day | 11/28/2014 | Friday |
| Christmas | 12/25/2014 | Thursday |