

# Performance Measures Update

presented by  
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# Section Update



Forecasting and  
Trends  
*Frank Collins*

Trends and Emerging  
Transportation  
*Doug McLeod*

Modeling  
*Thomas Hill*



# MAP-21: Travel Time Reliability



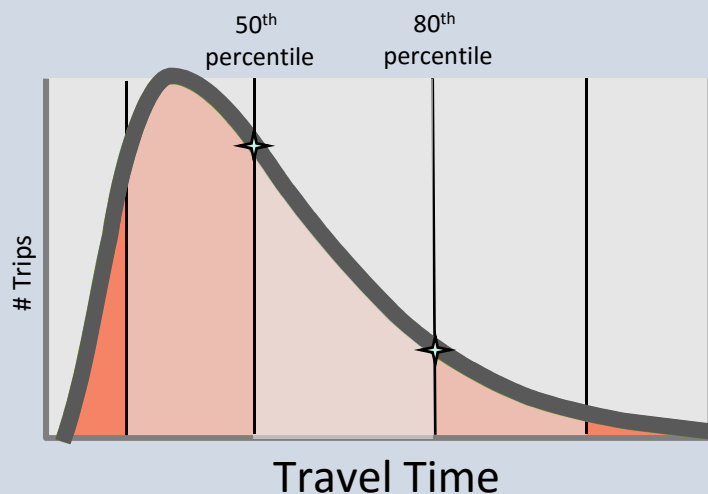
- **Level of Travel Time Reliability**
  - **Percent of person-miles traveled on the Interstate that are Reliable**
  - **Percent of person-miles traveled on the non-Interstate NHS that are Reliable**

# MAP-21: Travel Time Reliability



## *Level of Travel Time Reliability*

Ratio of the 80<sup>th</sup> percentile travel time of a reporting segment to the “normal” (50<sup>th</sup> percentile) travel time of a reporting segment occurring throughout a full calendar year



Calculated annually by State for all reporting segments for 4 time periods

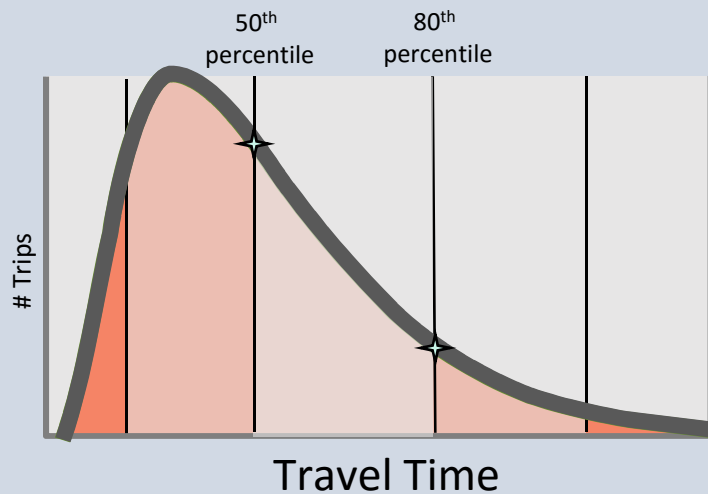
- Weekdays
  - 6:00 a.m. – 10:00 a.m.
  - 10:00 a.m. - 4:00 p.m.
  - 4:00 p.m. – 8:00 p.m.
- Weekends
  - 6:00 a.m. – 8:00 p.m.

# MAP-21: Travel Time Reliability



## *Level of Travel Time Reliability*

Ratio of the 80<sup>th</sup> percentile travel time of a reporting segment to the “normal” (50<sup>th</sup> percentile) travel time of a reporting segment occurring throughout a full calendar year



Calculated annually by State for all reporting segments for 4 time periods

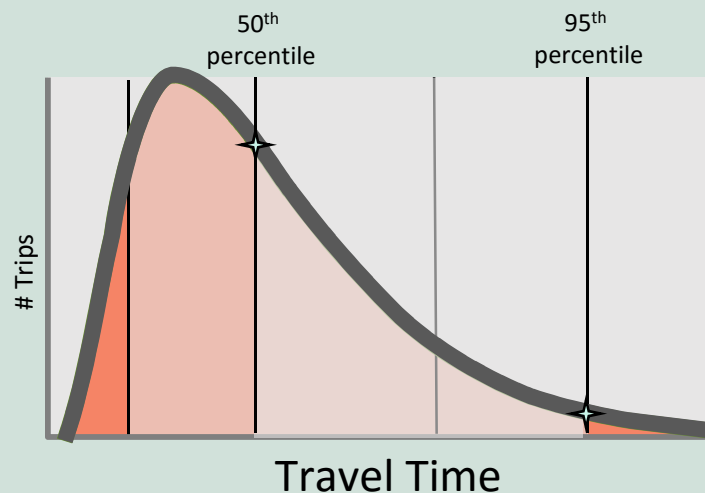
- If **any time period** has an **LOTTR greater than 1.5**, the entire roadway segment is considered unreliable.
- Segments are then **weighted by volume** to find the percent of person-miles considered reliable on the respective system.

# MAP-21: Travel Time Reliability



## *Truck Travel Time Reliability Index*

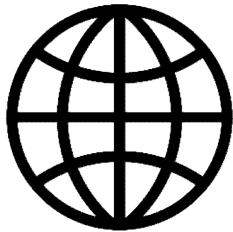
Ratio of the 95<sup>th</sup> percentile travel time of a reporting segment to the “normal” (50<sup>th</sup> percentile) travel time on the Interstate reporting segment occurring throughout a full calendar year



Calculated annually by State for all reporting segments for 5 time periods

- Weekdays: 6am – 10am
  - Weekdays: 10am – 4pm
  - Weekdays: 4pm – 8pm
  - All days: 8pm – 6am
  - Weekends: 6am – 8pm
- 
- The **highest value** of these time periods is selected as the metric for that segment.
  - Reported as an **index**

Thanks ya'll!



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