

# Performance Measures

# MAP-21, the Moving Ahead for Progress in the 21st Century Act (P.L. 112-141)

## Fixing America’s Surface Transportation (FAST) Act (P.L. 114-94)

Goal area	National goal
Safety	To achieve a significant reduction in traffic fatalities and serious injuries on all public roads
Infrastructure condition	To maintain the highway infrastructure asset system in a state of good repair
Congestion reduction	To achieve a significant reduction in congestion on the National Highway System
System reliability	To improve the efficiency of the surface transportation system
Freight movement and economic vitality	To improve the national freight network, strengthen the ability of rural communities to access national and international trade markets, and support regional economic development
Environmental sustainability	To enhance the performance of the transportation system while protecting and enhancing the natural environment
Reduced project delivery delays	To reduce project costs, promote jobs and the economy, and expedite the movement of people and goods by accelerating project completion through eliminating delays in the project development and delivery process, including reducing regulatory burdens and improving agencies’ work practices

Requires the Secretary of Transportation, in consultation with States, metropolitan planning organizations (MPOs), and other stakeholders, to establish performance measures in the areas listed below. Provides for DOT to establish such measures within 18 months of enactment, and prohibits DOT from establishing additional performance measures. [§1203; 23 USC 150(c)]

Pavement condition on the Interstate System and on remainder of the National Highway System (NHS)

Performance of the Interstate System and the remainder of the NHS  
Bridge condition on the NHS

Fatalities and serious injuries—both number and rate per vehicle mile traveled--on all public roads

Traffic congestion

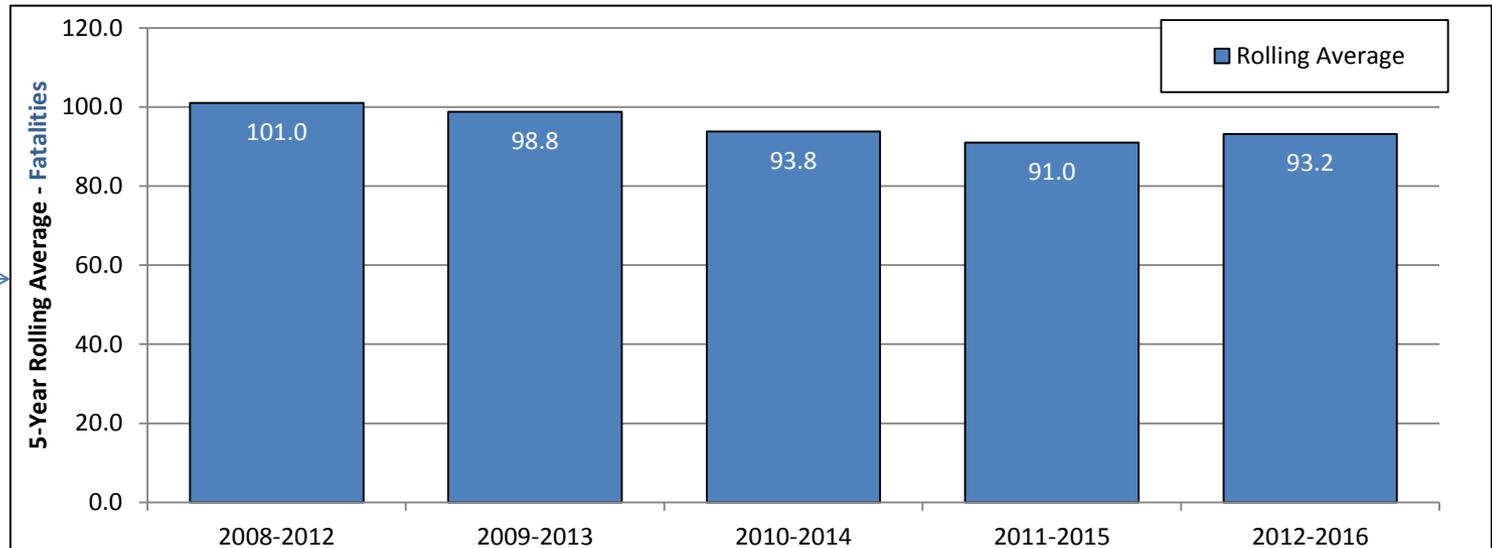
\*On-road mobile source emissions

Freight movement on the Interstate System

# Safety (PM1) targets are set annually by ArDOT and Metroplan

## Safety Performance Measure Targets (Annual targets)

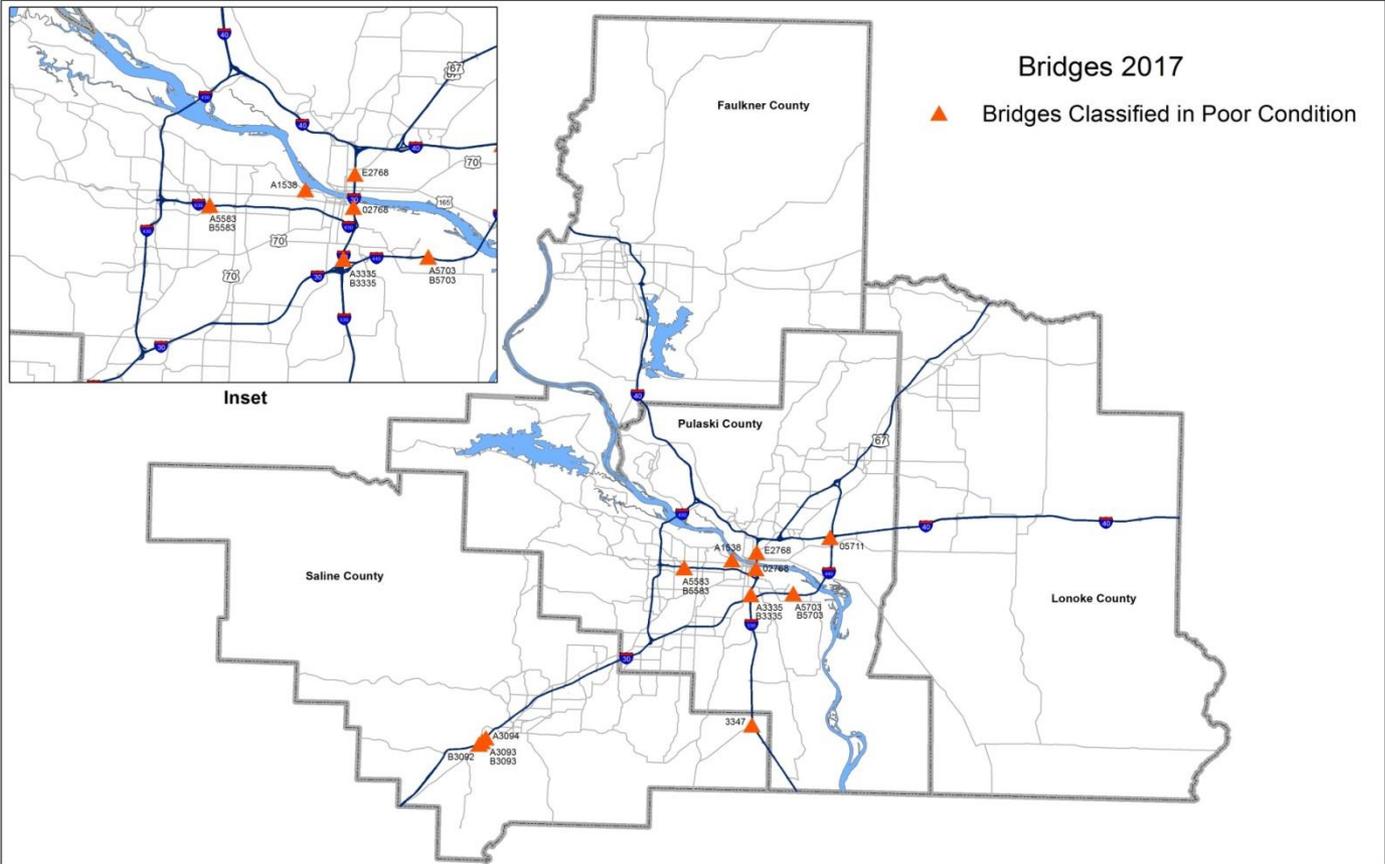
1. Number of fatalities
2. Rate of fatalities per 100 million Vehicle Miles Traveled (VMT)
3. Number of serious injuries
4. Rate of Serious Injuries per 100 million Vehicle Miles Traveled (VMT)
5. Number of non-motorized fatalities and non-motorized serious injuries



# Bridge Performance Measures (PM2)

## Bridges Performance

Percent of NHS bridges by deck area classified as Good condition (2 and 4 year targets)  
Percent of NHS bridges by deck area classified as Poor condition (2 and 4 year targets)



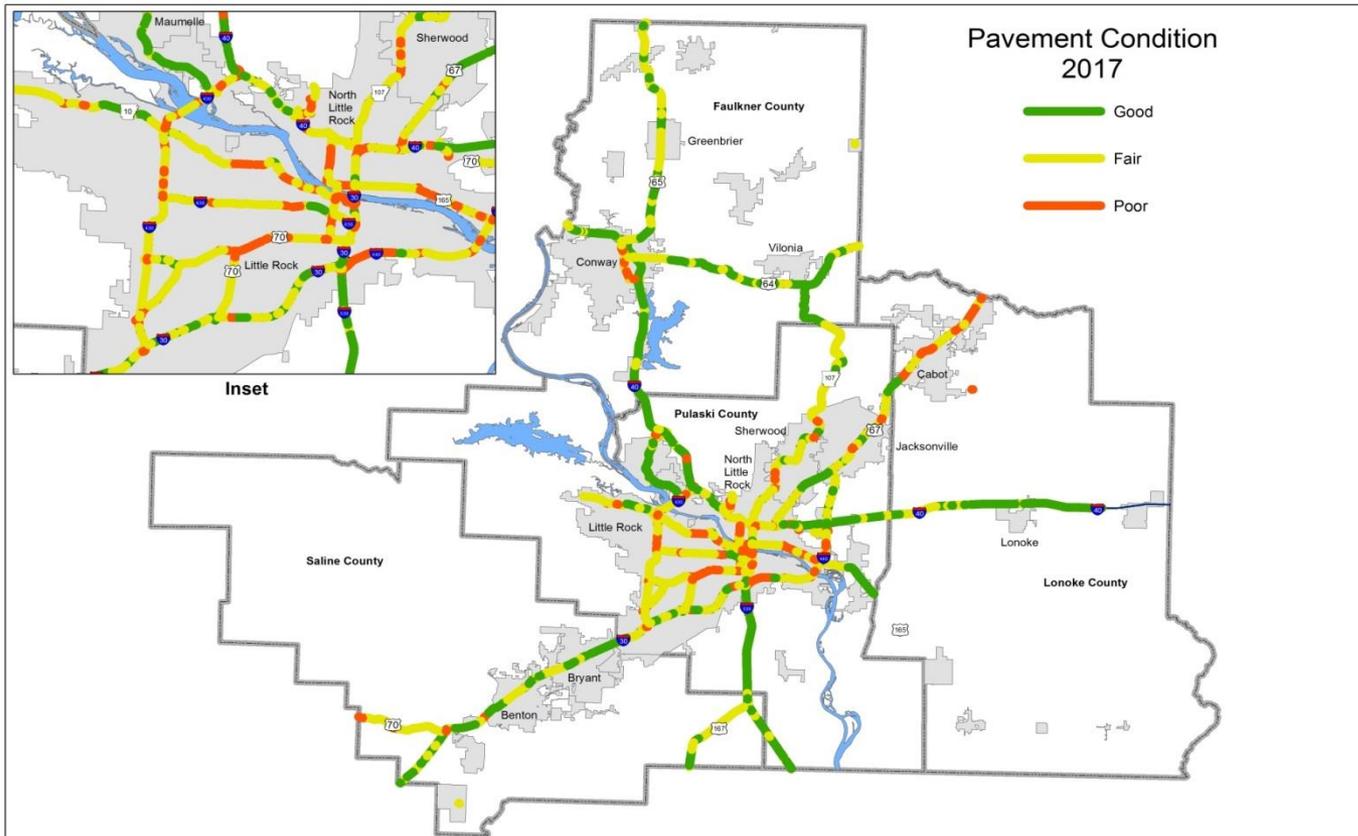
# Pavements Performance (PM2)

- Percent of Interstate pavements in Good condition (4 year targets)
- Percent of Interstate pavements in Poor condition (4 year targets)
- Percent of non-Interstate NHS pavements in Good condition (2 and 4 year targets)
- Percent of non-Interstate NHS pavements in Poor condition (2 and 4 year targets)

Baseline Data for CARTS Region

Performance Rating	Current*
Percent of Interstate pavements in Good condition	51.3%
Percent of Interstate pavements in Poor condition	10.8%
Percent of non-Interstate NHS pavements in Good condition	27.6%
Percent of non-Interstate NHS pavements in Poor condition	15.2%

\*Condition rating based on AASDOT's 2017 HPMS pavement dataset

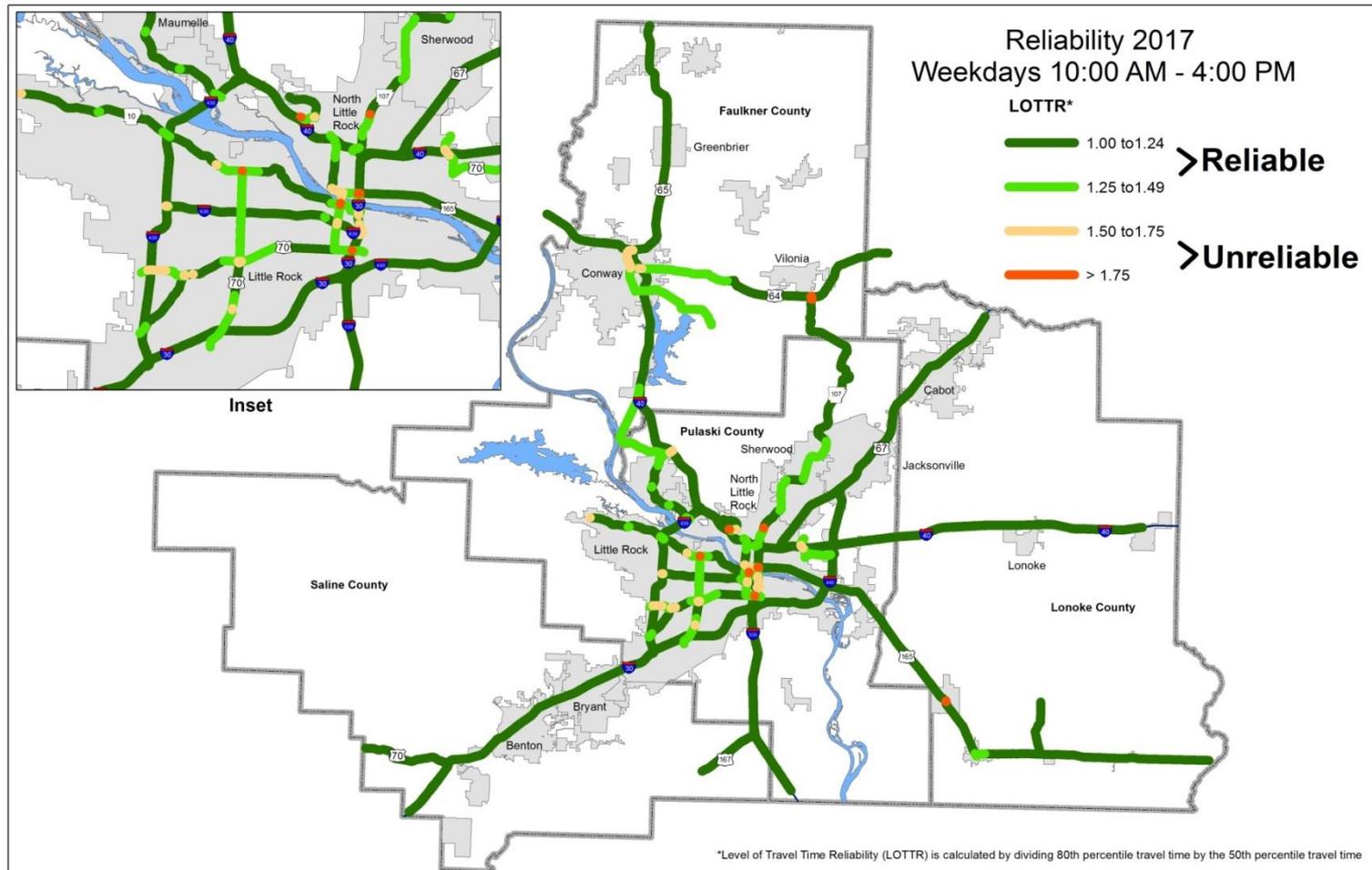


# Travel Time Reliability (PM3)

Percent of Person-Miles Traveled on the Interstate that are Reliable (2 and 4 year targets)  
Percent of Person-Miles Traveled on the non-Interstate NHS that are Reliable (4 year targets)

Baseline Data for CARTS Region

Percent of Person-Miles Traveled on the Interstate that are Reliable	91.20%
Percent of Person-Miles Traveled on the non-Interstate NHS that are Reliable	89.68%

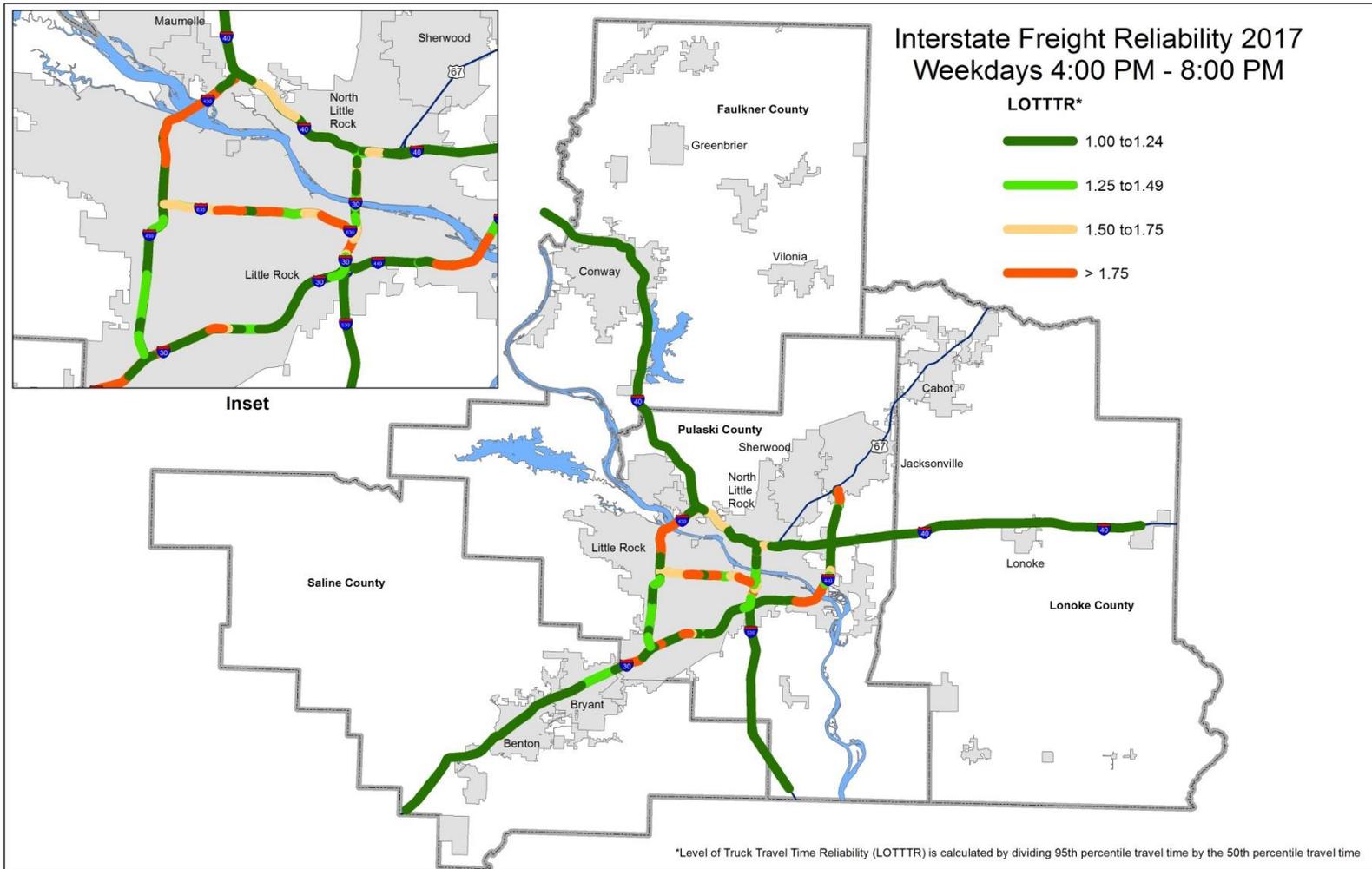


# Truck Travel Time Reliability (PM3)

## Truck Travel Time Reliability of the Interstate System (2 and 4 year targets)

Baseline Data for CARTS Region

	2017
Truck Travel Time Reliability on the Interstate System	1.39



## Transit Asset Management

In 2012, MAP-21 mandated Federal Transit Administration (FTA) to develop a rule establishing a strategic and systematic process of operating, maintaining, and improving public capital assets effectively through their entire life cycle

### Performance Measures:

- Rolling Stock: The percentage of revenue vehicles (by type) that exceed the useful life benchmark (ULB).
- Equipment: The percentage of non-revenue service vehicles (by type) that exceed the ULB.
- Facilities: The percentage of facilities (by group) that are rated less than 3.0 on the Transit Economic Requirements Model (TERM) Scale.
- Infrastructure: The percentage of track segments (by mode) that have performance restrictions. Track segments are measured to the nearest 0.01 of a mile.