

# Transportation Performance Management

## *Safety Performance Measures Final Rule*

July 2016



U.S. Department of Transportation  
**Federal Highway Administration**



**Safe Roads for a Safer Future**  
*Investment in roadway safety saves lives*



Highway Safety Improvement Program  
*Data Driven Decisions*

FHWA-SA-16-022

# Presentation Outline

- FAST Act Overview
- MAP-21 Performance Management Framework
- Safety Performance Measures Final Rule



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- **FAST Act Overview**
- MAP-21 Performance Management Framework
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# Fixing America's Surface Transportation (FAST) Act

- Signed by President Obama on December 4, 2015
- First long-term authorization in a decade
- Provides a total of \$305B over FY 2016-2020
- Provides 5 years of funding certainty for infrastructure planning and investment
- **Builds on program structure and reforms of MAP-21**



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# Transportation Performance Management

## MAP-21 Putting Performance into Action

Transportation Performance Management Process



Moving Ahead for Progress in the 21st Century Act (MAP-21) creates a performance-based and multimodal program to strengthen the U.S. transportation system. By focusing on national goals, increasing accountability, and improving transparency, these changes will improve decision-making through better informed planning and programming.

The U.S. Department of Transportation (USDOT) is implementing the new MAP-21 performance requirements through nine rulemakings released in several phases.



Resources:  
[www.dot.gov/map21](http://www.dot.gov/map21)  
[www.fhwa.dot.gov/tpm/](http://www.fhwa.dot.gov/tpm/)

Contact Us:  
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# Phases of the Transportation Performance Management Requirements

- ✓ *National Goals*
- ✓ *Measures*
- ✓ *Targets*
- ✓ *Plans*
- ✓ *Reports*
- ✓ *Accountability*



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# National Goals

- **Safety**
- Infrastructure Condition
- **Congestion Reduction**
- **System Reliability**
- **Freight Movement and Economic Vitality**
- Environmental Sustainability
- Reduced Project Delivery Delays



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# Transportation Performance Management

## MAP-21 Putting Performance into Action



### 2. Measures

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# Measure Areas

- **National Highway Traffic Safety Administration (NHTSA)**
  - 14 measures documented in 2008 report
- **Federal Transit Administration - Public Transportation**
  - State of Good Repair, Safety Criteria
- **Federal Highway Administration, Federal-aid Highway Program**
  - HSIP - Fatalities and Serious Injuries (no. and rate), Non-motorized
  - NHPP
    - » Interstate and non-Interstate National Highway System (NHS) pavement condition
    - » NHS bridge condition
    - » Interstate and non-Interstate NHS performance
  - Congestion Mitigation and Air Quality (CMAQ) Program
    - » Traffic Congestion
    - » On-road Mobile Source Emissions
  - Freight Movement on the Interstate

# Measure Areas

- Measures set by US DOT through rulemaking
- Measure considerations
  - » Focused
  - » Collaborated
  - » Maintainable
  - » Impactful
  - » Track-able
  - » Feasible



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## 3. Targets

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# Targets

- States, MPOs and public transportation agencies set their own targets.
- Target Setting Due Dates
  - Highway Safety (NHTSA)
    - » States set targets beginning in 2013.
  - Federal-aid Highway (FHWA)
    - » States set targets no later than 1 yr after USDOT establishes measures
    - » MPOs set targets no later than 180 days after State sets targets
  - Public Transportation (FTA)
    - » Public Transportation Agencies set State of Good Repair targets no later than 3 months after USDOT establishes measures
    - » MPOs select targets no later than 180 days after transit providers sets target



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## 4/5. Plans and Reports

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# Plans and Reports

- Strategic Highway Safety Plan and Highway Safety Plan
- Transit and Highway Asset Management Plans
- CMAQ Performance Plan
- Metropolitan Long Range Plan
- Metro and State Transportation Improvement Program
- Highway Safety Improvement Program Report
- Highway Performance Report
- Transit Performance Report
- Metropolitan System Performance Report



# MAP-21 Putting Performance into Action

Transportation Performance Management Process



## 6. Accountability & Transparency

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# Performance Accountability

- Target Achievement Requirements
  - National Highway Performance Program
  - Highway Safety Improvement Program
- Standards
  - Interstate Pavements and NHS Bridges
  - Rural Road Safety and Older Driver Safety
- MPO Planning Certification
- State Performance-Based Planning Evaluation
- 5 Year Progress Evaluation



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# Major Provisions in the Safety Performance Measures Final Rule

- 5 performance Measures
- Institutes the process for State DOTs and MPOs to establish & report on their targets
- Institutes the process for FHWA to assess whether a State has met or made significant Progress
- A common national definition for serious injuries



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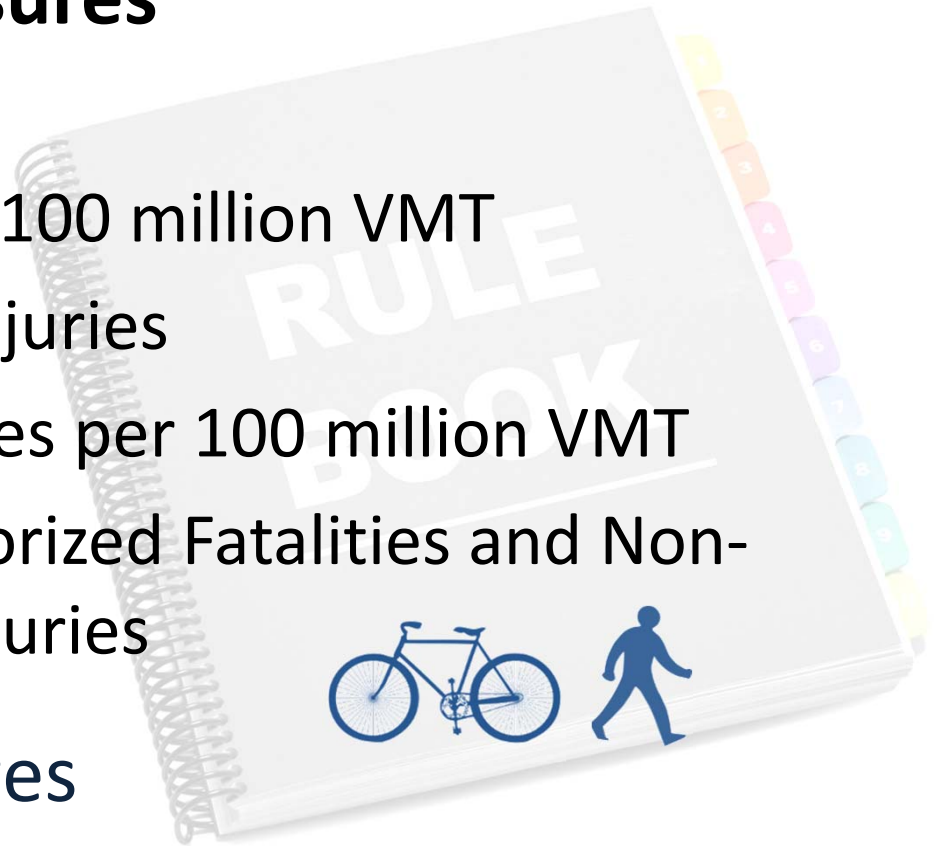


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# Safety Performance Management Measures for the HSIP – § 490.207

- **5 Performance Measures**
  - Number of Fatalities
  - Rate of Fatalities per 100 million VMT
  - Number of Serious Injuries
  - Rate of Serious Injuries per 100 million VMT
  - Number of Non-motorized Fatalities and Non-motorized Serious Injuries
- **5-Year Rolling Averages**



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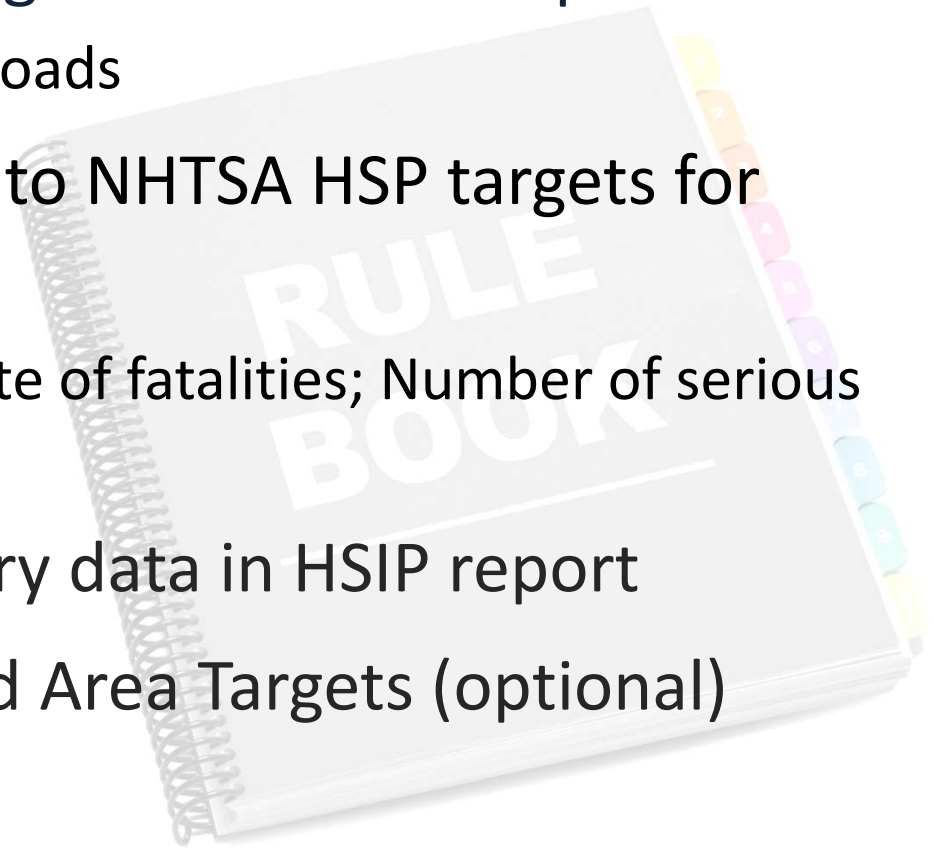
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# Establishment of Performance Targets

## § 490.209

- States establish annual targets in the HSIP report
  - Applicable to all public roads
- Targets must be identical to NHTSA HSP targets for common measures:
  - Number of fatalities; Rate of fatalities; Number of serious injuries
- States report serious injury data in HSIP report
- Urbanized/Non-urbanized Area Targets (optional)



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# MPO Targets – § 490.209

- MPOs establish targets 180 days after State
  - Target for each measure required
- Two options to establish targets
  - MPOs can agree to support the State DOT target; OR
  - MPOs can establish a numerical target specific to the MPO planning area
- Targets applicable to all public roads in the MPO
- For rate targets, report the VMT estimate used and the methodology used to develop the estimate
- MPO targets are reported to State DOT and must be available to FHWA, if requested

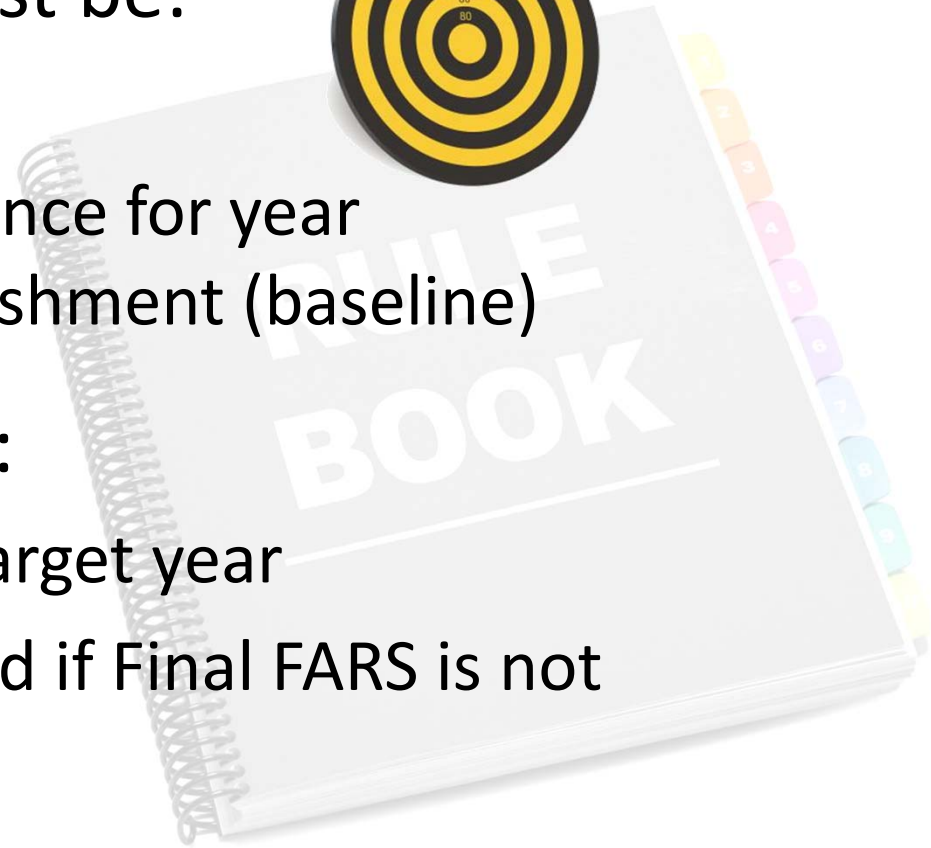


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# Significant Progress Toward Meeting Performance Targets – § 490.211

- 4 out of 5 targets must be:
  - Met, or
  - Better than performance for year prior to target establishment (baseline)
- Determination made:
  - End of CY following target year
  - FARS ARF may be used if Final FARS is not available



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# Significant Progress Toward Meeting Performance Targets – § 490.211

- Optional targets will not be evaluated
- Requirements if State did not meet or make significant progress toward meeting targets
  - Use obligation authority equal to the HSIP apportionment for the prior year only for highway safety improvement projects, and
  - Submit a HSIP Implementation Plan



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# Safety Performance Measure Dates

- **August 31, 2017**  
State submits CY 2018 targets in HSIP Annual Report
- **February 1, 2018**  
MPOs establish targets
- **December 2019**  
Data available to assess 2018 target achievement
- **March 2020**  
FHWA notifies States of determination whether State met or made significant progress toward meeting targets
- **October 2020**  
For States that did not meet or make significant progress toward meeting targets: obligation authority limitation, HSIP Implementation Plan due
- **September 30, 2026**  
Collect and use the MIRE FDE to improve safety on all public roads



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# HSIP and Safety PM Final Rules and NPRM Documents

- The HSIP and Safety PM Final Rules, as well as the NPRM documents, can be found at the links below:
- New rules effective: **April 14, 2016**
  - HSIP (FHWA-2013-0019)  
<http://www.regulations.gov/#!docketDetail;D=FHWA-2013-0019>
  - Safety PM (FHWA-2013-0020)  
<http://www.regulations.gov/#!docketDetail;D=FHWA-2013-0020>



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# Questions?

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