# National Performance Management Measures, Highway Safety Improvement Program Notice of Proposed Rulemaking

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# **Background**

# Highway Safety Improvement Program (HSIP)



- Core Federal-aid program
- Reduce fatalities and serious injuries on all public roads
- MAP-21 changes to HSIP
  - SHSPs must be updated and evaluated regularly
  - High Risk Rural Roads set-aside replaced by special rule
  - Annual reports posted on FHWA's website
  - Transparency (5%) reports eliminated
  - FHWA required to establish performance measures

# MAP-21 Safety Performance Management

- 12 performance areas required by MAP-21. 4 in safety
  - Number of Fatalities
  - Fatalities per VMT
  - Number of Serious Injuries
  - Serious Injuries per VMT
- USDOT (FHWA) published Notice of Proposed Rulemaking (NPRM) in March 2014

## **NPRM Topics**

- Process to be used by State DOTs and MPOs to establish safety-related performance targets
- Methodology to assess State DOTs compliance with the target achievement
- Process State DOTs must follow to report on progress toward the achievement of safety-related performance goals
- Key definitions

#### Coordination

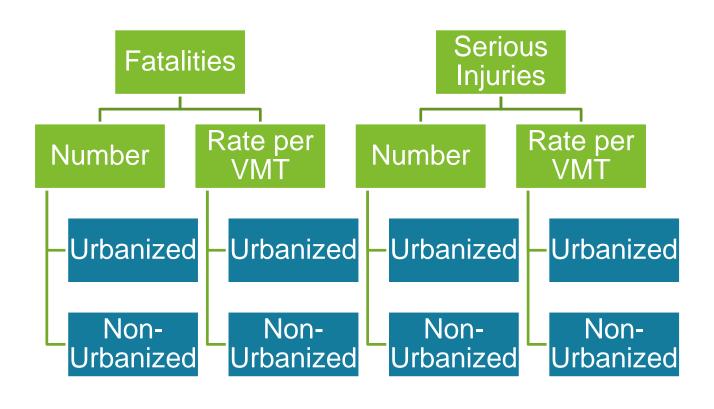
#### **NHTSA** and **FHWA**

 NPRM encourages identical performance measures between state's Highway Safety Plan (HSP) for NHTSA and HSIP

- Coordinate through SHSP process
- NHTSA subject to statutory requirement that performance measure revisions go through GHSA

#### **HSIP Performance Measures**

#### National Performance Management Measures, Highway Safety Improvement Program NPRM (FHWA, March 2014)



Required Optional

# **Setting Targets**

- 5 year rolling average
- 10 years of most recent data available
- Trendline with forward projection

#### **Data Sources**

#### Fatalities

Fatality Analysis Reporting System (FARS, NHTSA)

- Serious Injuries State databases
   Shorter term:
  - Model Minimum Uniform Crash Criteria (MMUCC) definition for "Suspected Serious Injury (A)".
  - States have 18 months to adopt MMUCC. Until then, convert to KABCO using NHTSA conversion tables.

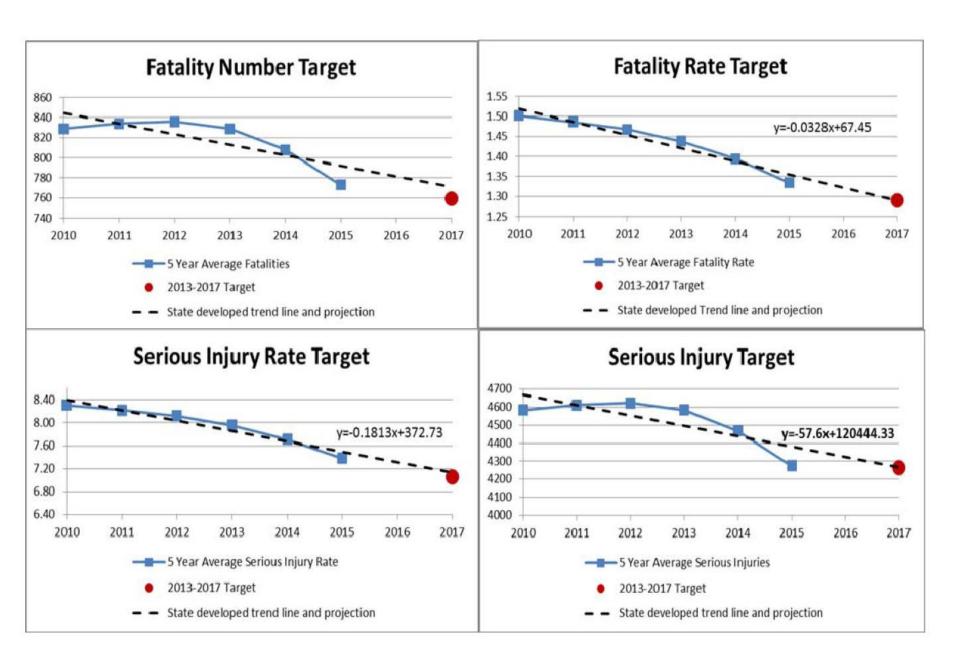
Longer term: Recommends that by 2020, States prepare to determine serious injuries linked crash-medical records

Vehicle Miles Traveled (VMT)
 Highway Performance Monitoring System (HPMS).

# **Target Setting**

#### **Example - Data Used**

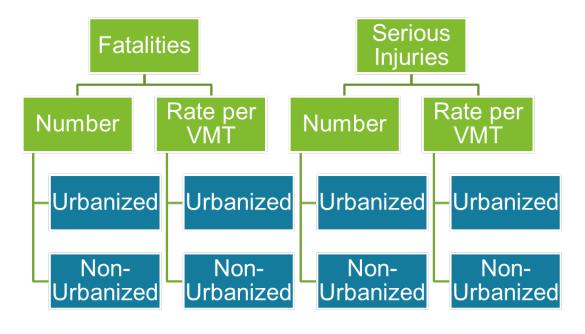
- 10 most recent years available = 2006-2015
- 5 year rolling averages
  - 。 2006-2010
  - 。 2007-2011
  - 。 2008-2012
  - 。 2009-2013
  - 。 2010-2014
  - 。 2011-2015
- Target set for 2013-2017 5 year rolling average



#### **Proposed Options**

Urbanized area: Defined by Census every 10 years. Census-defined urbanized areas can be adjusted to facilitate the planning process and will issue guidance on how to address these adjusted urbanized area boundaries in the target-setting process.

Non-urbanized area: Non-urbanized areas include both "rural" areas and small urban areas that are larger than rural but do not meet the criteria of an "urbanized area."



#### **Metropolitan Planning Organizations**

- Required to establish targets for entire Metropolitan Planning Area in coordination with the State DOT not later than 180 days after State DOT establishes safety targets.
- MPOs would be required to set their target each time the State DOT establishes a safety target.
- MPOs can either:
  - Supporting the State DOT target, or
  - Defining a target unique to its metropolitan area.

# Assessing Achievement of Target or Significant Progress

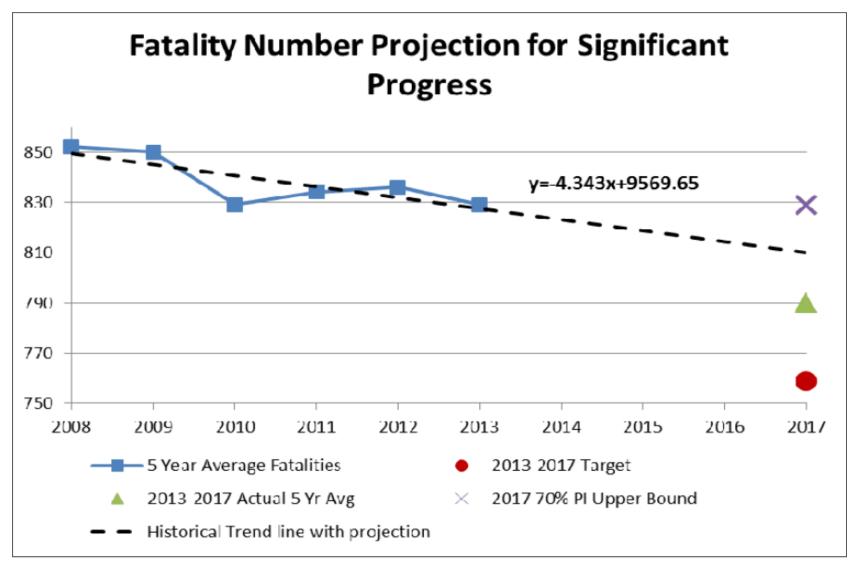
#### Success for each measure is...

Achieving target

or

 Significant progress – actual outcome for target is at or below upper bound of the 70% prediction interval based on projection of 10-year historical trendline

#### **Example**



#### Overall success is...

- Achieve or make significant progress on at least half of targets set
- Minimum success is 2 of 4 required targets
- Extend to 6 of 12 including 4 required and 8 optional

#### **Reporting and Consequences**

# Reporting

 State DOTs establish and report safety targets in annual HSIP report

 MPO targets to be reported to State DOT on annual basis

## Consequences

- If a State fails to achieve or make significant progress toward at least 50 percent of the targets, it must:
  - Obligate a portion of their HSIP funding only for highway safety improvement projects, and
  - Develop and submit an annual implementation plan to document how they intend to improve performance using HSIP funds



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