

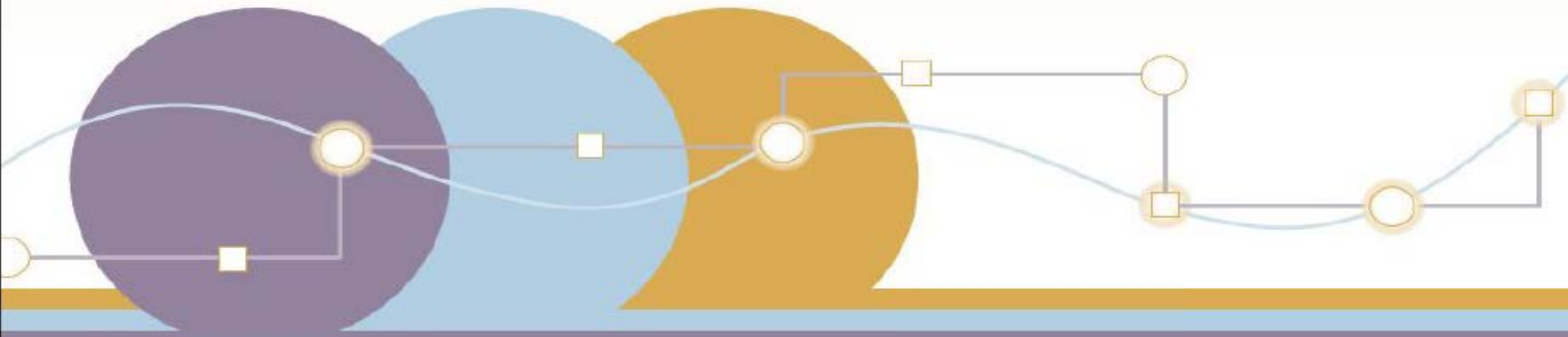
# ***Performance Management: Advancing a National Transportation System***

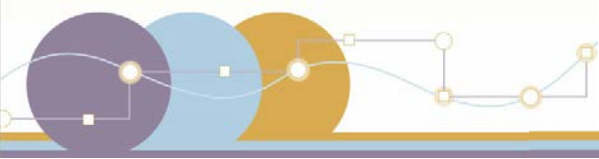
**Jeffrey Paniati, P.E.**

Executive Director

Federal Highway Administration

June 1, 2015





## *Presentation Outline*

- **Why** is transportation performance management important?
- **How** are we implementing the MAP-21 requirements?
- **Where** will this ultimately lead us?



## ***Why? Changing Circumstances Required Us to Embrace Performance Management***

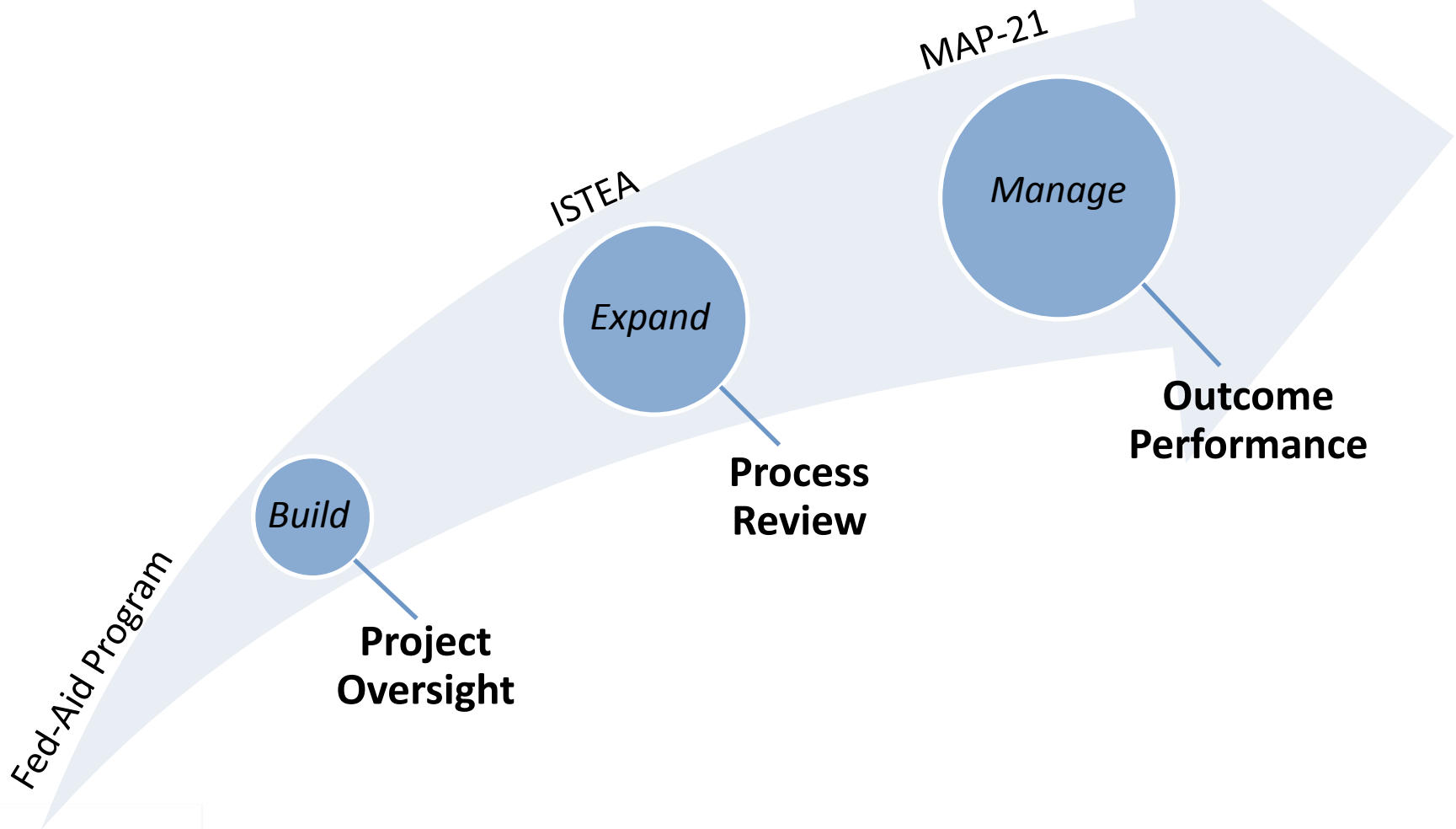


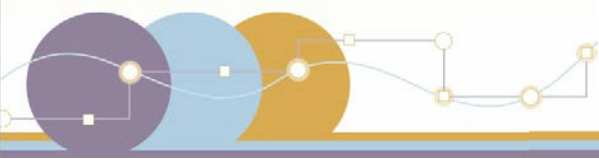
- Infrastructure condition and resource constraints
- Public expectations
- Performance management has been proven in other industries





## *Why? Evolution of the Federal Program*





## *Why? MAP-21 National Policy*

## Performance Management for

- Focus on National goals
- Increase accountability and transparency
- Efficient investments



[§1203; 23 USC 150(a)]

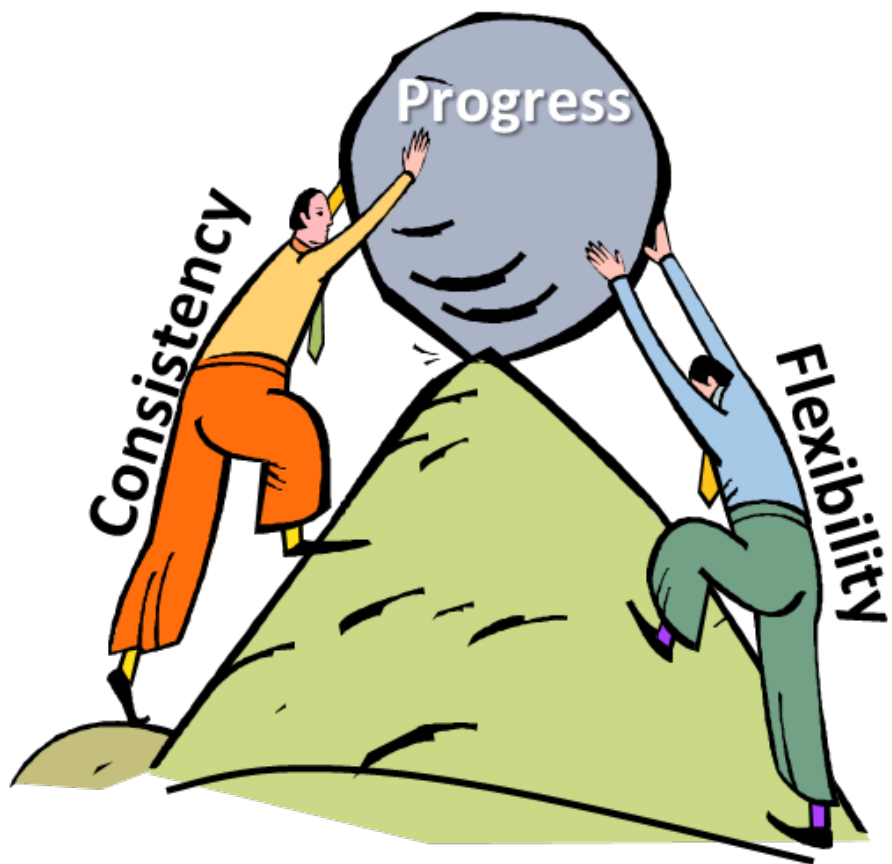


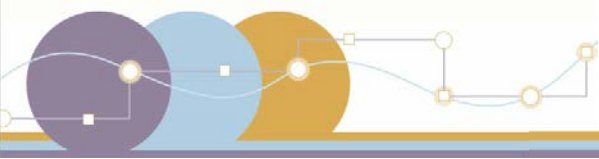
## **Why? MAP-21 National Goals**

<b>Goal Area</b>	<b>National goal</b>
<b>Safety</b>	Reduce fatalities & serious injuries on all public roads
<b>Infrastructure condition</b>	Maintain a state of good repair
<b>Congestion reduction</b>	Significantly reduce congestion on the NHS
<b>System reliability</b>	Improve the efficiency of the surface system
<b>Freight movement &amp; economic vitality</b>	Improve the national freight network, access of rural communities to markets, & economic development
<b>Environmental sustainability</b>	Enhance system performance while protecting and enhancing the environment
<b>Reduced project delivery delays</b>	Accelerate project completion by eliminating delays in the project delivery process



## *How? Strike a Balance in Rulemaking*





## *How? Communication is Key*

### ■ **Methods of Outreach**

- Webinars
- National Online Dialogues
- Virtual Town Hall Meetings
- Subject Matter Meetings
- Direct Contact to FHWA : [PerformanceMeasuresRulemaking@dot.gov](mailto:PerformanceMeasuresRulemaking@dot.gov)

### ■ **Focused Areas for Outreach**

- Performance Measures
- Target Setting Listening Session
- Reporting and Assessment

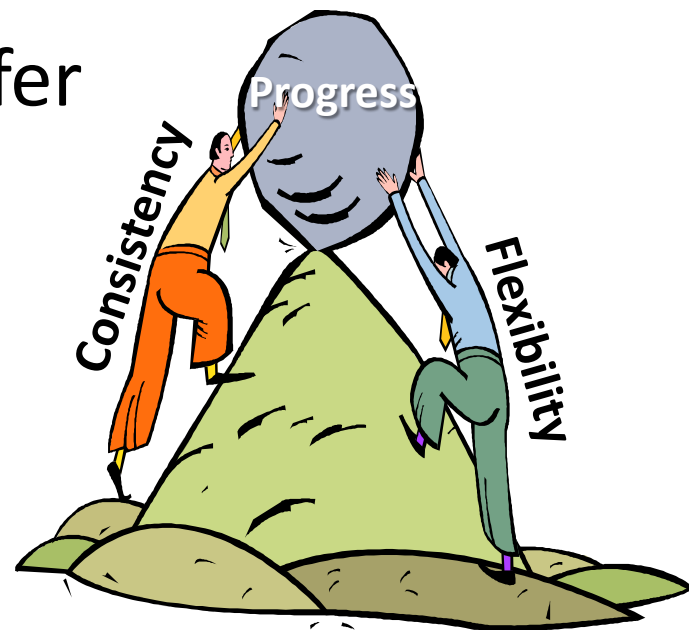






## *How? Principles Behind Proposals*

- Minimize the Number of Measures
- Phase in Requirements
- Increase Accountability and Transparency
- Consider Risk
- Understand that Priorities Differ
- Recognize Fiscal Constraints





## *How? Coordinating Implementation*

### Measure Rules

- Define Measure
  - Data Elements
  - Data Source
- Interstate Pavement Condition
- Target Setting Requirements
- Define Significant Progress
- State Performance Reporting
- Establish Timing

### Planning Rule

- Performance-based Planning Process
- Target Setting Coordination
- MPO Performance Reporting
- STIP/TIP Discussion
- Transition Period

### Program Rules

- Plan Requirements
- Special Rules
- Integrating Performance
- Transition Period

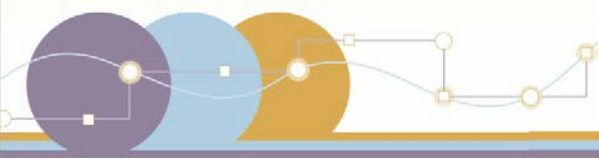




# Transportation Performance Management

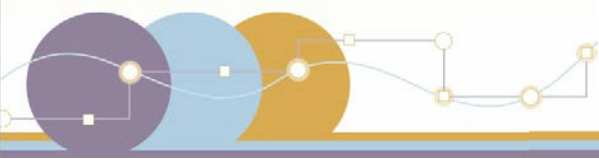
## Current Status

Performance Areas	NPRM	Comments Due	Anticipated Final Rule
Safety Performance Measures	March 11, 2014	<u>Closed</u> June 30, 2014	September 2015
Highway Safety Improvement Program	March 28, 2014	<u>Closed</u> June 30, 2014	August 2015
Statewide and Metro Planning; Non-Metro Planning	June 2, 2014	<u>Closed</u> October 2, 2014	September 2015
Pavement and Bridge Performance Measures	January 5, 2015	<u>Closed</u> May 8, 2015	TBD
Highway Asset Management Plan	February 20, 2015	<u>Open</u> until May 29 2015	TBD
System Performance Measures	<b>Projected</b> August 2015	90 days	TBD



## *How? “Stewardship Heavy and Oversight Light”*

- Develop and deliver a TPM technical assistance program
- Foster partnerships and collaboration
- Develop and deliver TPM training
- Catalogue successful practices, case studies, and lessons learned



## ***How? Communicating Transportation Performance***

- Communicate performance results in a *transparent* manner
  - Develop an online system for easier data reporting by States
  - Develop a web site to make the performance data submitted to FHWA available to all



## How? Communicating Transportation Performance

### National Safety Report

#### Are We Making Our Roads Safer?

While the number of fatalities on our roads continues to decline, injuries have slightly increased. Certain driver behaviors and crash types have remained a persistent threat to the safety of our roadways.

#### Number of Fatalities

**33,210**

Annual 5-Year Average



#### Projection

States are projected to reduce fatalities below

**28,000**

by 2017

States that expect the number of fatalities to...



Data: Annual Fatal Crashes from FARS; Data are from latest available year.

#### Fatal Crash Rate

**1.14**

Per 100M VMT



#### Projection

States are projected to reduce the fatal crash rate below

**1.0**

by 2017

States expect the fatal crash rate to ...



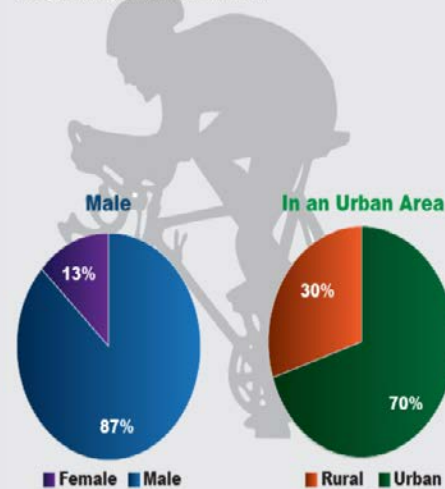
## Performance Reports

### MOBILE MOMENTS: BICYCLE SAFETY

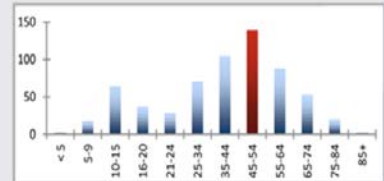


#### 630 cyclists died on U.S. highways in 2009

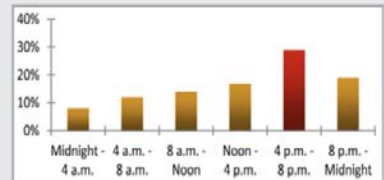
The typical bicycle fatality victim was...



Between 45 and 54 years old

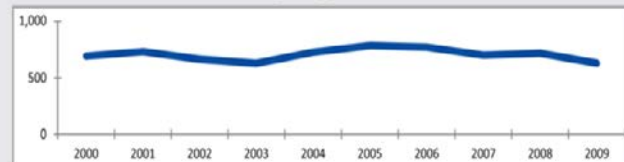


The Accident Occurred...



Between 4 p.m. and 8 p.m.

#### U.S. Cycling Fatalities



The number of trips by bicycle was **UP 25%** between **2001 and 2009**

Sources: National Household Travel Survey 2009

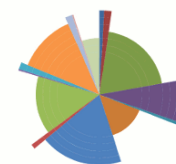
## Infographics





### *Where will this Lead Us? Improved Measures of Performance*

- Synergies between National and other measures used by agencies.
- Further refinement of the National measures.
- Spur discussions on the value of future areas for performance management.
- Improved data collection, integration, mining, reporting, and visualization.





## *Where Will this Lead Us? Better Outcomes!*

- Improved communication of the link between investments and results
  - Depict future scenarios under varying funding levels
- Increased consistency across the Country
- Increased coordination across agencies and jurisdictions
- Greater understanding of what works







## *Summary*

- **Why performance management?**
  - Circumstances dictate
  - Natural next phase in evolution of Federal Program
  - MAP-21 provides the framework and goals
- **What approaches are FHWA taking?**
  - Consistency and flexibly in rulemaking
  - Stewardship heavy, oversight light
  - Tailored technical support and guidance
  - Communicating the performance story
- **Where will this lead us?**
  - A higher performing, more efficient transportation system



# Transportation Performance Management

U.S. Department of Transportation  
Federal Highway Administration

Search FHWA

TPM and MAP-21 Engagement Resources Events

## Transportation Performance Management

FHWA > Transportation Performance Management

### Delaware Valley Regional Planning Commission: *Utilizing Investment Scenarios to Enhance Transportation Performance*

DVRPC Utilizing Investment Scenarios  
The DVRPC has found that tracking their performance progress is vital to maintaining a strong transportation system. (.pdf, 0.5 mb)

- MAP-21 Putting Performance into Action
- Notice of Proposed Rulemaking (NPRM)
- DVRPC Utilizing Investment Scenarios
- TPM Digest

#### TPM and MAP-21

- What is TPM?
- National Goals
- MAP-21 Performance Requirements Summary
- MAP-21 Putting Performance into Action (.pdf, 1.3 mb)
- Implementation Schedule
- Notices of Proposed Rulemaking

#### Engagement

- Rulemaking Stakeholder Engagement
- Readiness Stakeholder Engagement
- Reporting
- TPM Community of Practice

#### Resources

- Apply for P2P Technical Assistance
- Noteworthy Practices
- Presentations and Webinars
- Publications
- Tools
- TPM Digest April 2014 **NEW!**

#### Email Notification

- Subscribe to email updates

#### News and Events

- 2014 Rail Conference June 15 - 18, 2014
- Data Palooza Session Recordings (May 9, 2013)
- View all TPM Events

PDF files can be viewed with the [Acrobat® Reader®](#)

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Federal Highway Administration

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