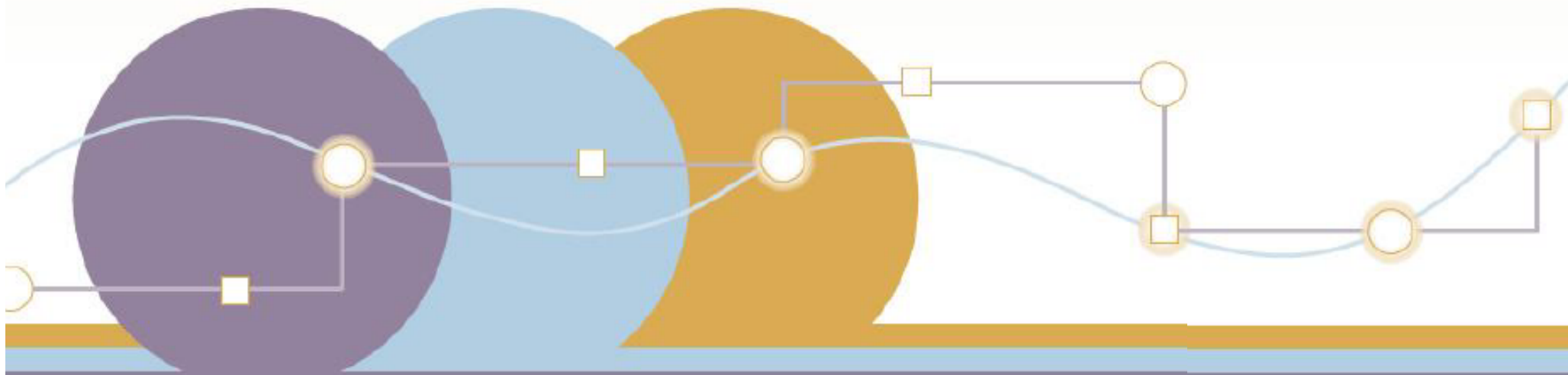


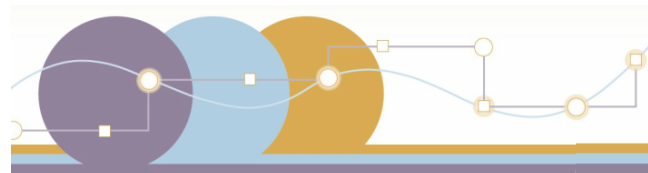
Transportation Performance Management Implementation of a Performance-based Federal Highway Program

May 9, 2016

*Mobility and Congestion Performance Data Management and Use:
MPO/State Collaboration
Portland, Oregon*

Francine Shaw Whitson





Transportation Performance Management (TPM)

- National Goals
- Measures
- Targets
- Plans
- Reports
- Accountability and Transparency



<http://www.fhwa.dot.gov/tpm/>

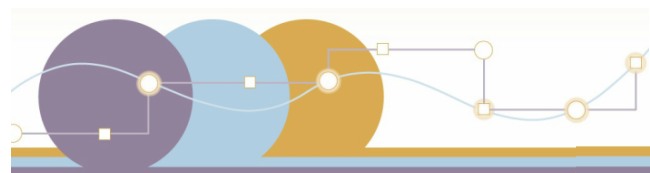




Transportation Performance Management

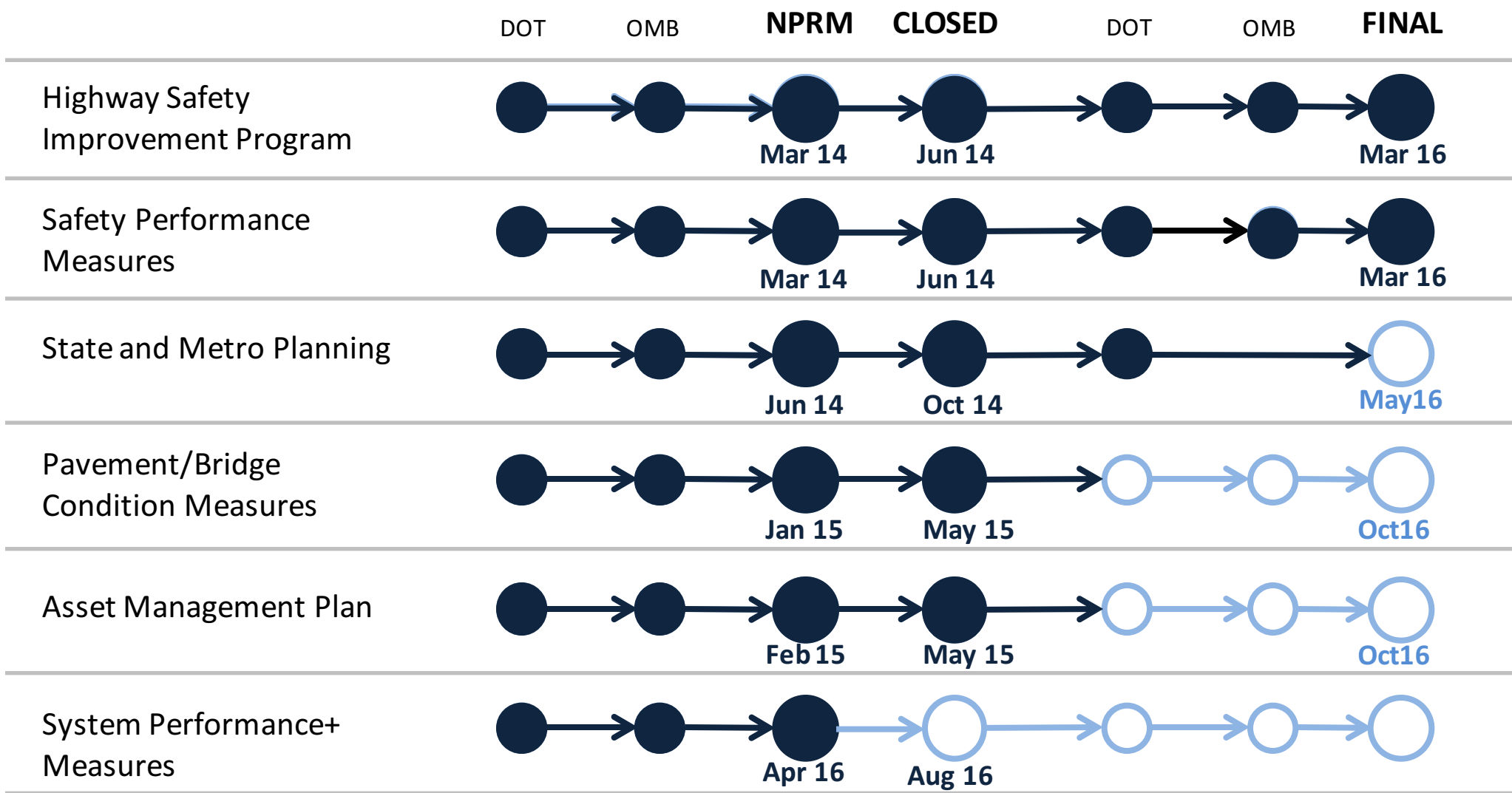
FHWA TPM Rulemaking Schedule

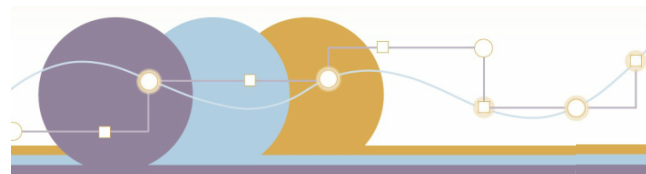
Performance Area	NPRM	Comments Due	Final Rule
Safety Performance Measures	March 11, 2014	<u>Closed</u> June 30, 2014	Published March 15, 2016
Highway Safety Improvement Program	March 28, 2014	<u>Closed</u> June 30, 2014	Published March 15, 2016
Statewide and Metro Planning; Non-Metro Planning	June 2, 2014	<u>Closed</u> October 2, 2014	Anticipated May 2016
Pavement and Bridge Performance Measures	January 5, 2015	<u>Closed</u> May 8, 2015	Anticipated October 2016
Highway Asset Management Plan	February 20, 2015	<u>Closed</u> May 29, 2015	Anticipated October 2016
Performance of the NHS, Freight, and CMAQ Measures	April 22, 2016	<u>Open</u> until August 20, 2016	TBD



Transportation Performance Management

Implementation Status

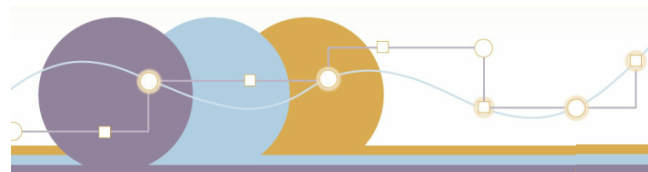




Safety Final Rule

- 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
- Annual target establishment
- Annual reporting on performance in the HSIP
- Annual assessment of progress

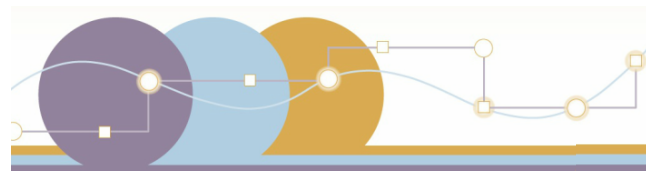




Infrastructure Performance Management Proposal

- Focus: NHS Bridges and Interstate/NHS Pavements
- Proposal Summary
 - Measures: Percentage of system in Good/Poor Condition
 - All States and MPOs establish 2 and 4 yr targets
 - States provided flexibility to establish additional targets
 - States report on progress every 2 years
 - FHWA makes determination on progress every 2 years
 - FHWA makes determination on minimum condition compliance every year
- Final rule anticipated in October, 2016.





PM2 Comment Summary

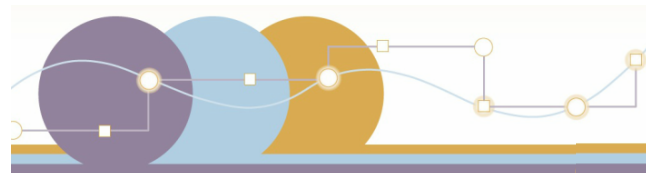
■ Commenters

- Associations, States, Planning Organizations, Local Governments, Industry, Vendors, Individuals
- PM2 – 43 States (34% of commenters)

■ Themes

- NHS Ownership
- Declining Conditions
- Implementation Timing
- Cost Burden
- Minimum Condition Provisions
- Pavement Measure
- Data Collection and Reporting



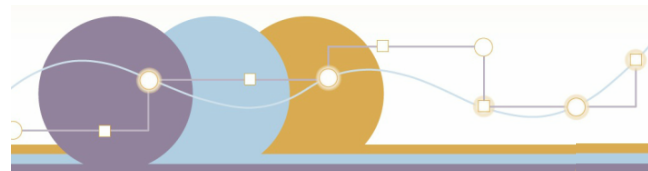


Performance, Freight and CMAQ Proposed Measures

- Performance of the NHS
 - Travel Time Reliability
 - % of the Interstate System providing for reliable travel times
 - % of the non-Interstate NHS providing for reliable travel times

 - Peak Hour Travel Time
 - % of the Interstate system in urbanized areas over 1 million in population where peak hour travel times meet expectations
 - % of the non-Interstate NHS in urbanized areas over 1 million in population where peak hour travel times meet expectations

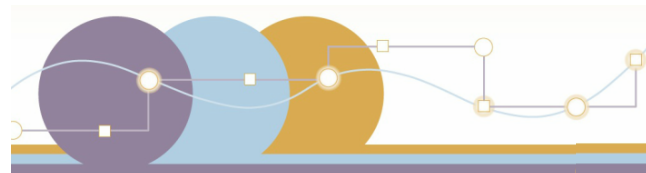




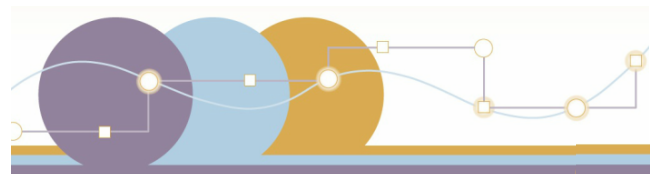
Performance, Freight and CMAQ Proposed Measures

- Freight Movement on the Interstate System
 - % of the Interstate System Mileage providing for Reliable Truck Travel Times
 - % of the Interstate System Mileage Uncongested
- CMAQ Program
 - Traffic Congestion
 - Annual Hours of Excessive Delay Per Capita
 - On-Road Mobile Source Emissions
 - Total Emission Reductions





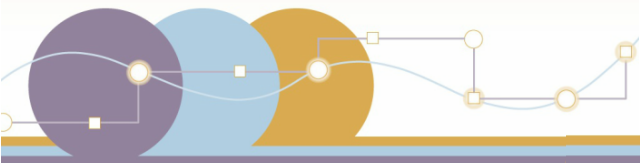
The Future of Transportation Performance Management



TPM Implementation Opportunities

- Improving **Consistency** Across the Country
- Increasing **Coordination** Among Decision-Makers
- Increasing Our **Understanding** of What Works
- **Optimizing** Investments of Public Funds
- **Communicating** Investment Returns





Communicating Transportation Performance

Infographics

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...

Male 87% **Female** 13%

In an Urban Area 70% **Rural** 30%

U.S. Cycling Fatalities

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

Sources: National Household Travel Survey

Performance Reports

National Safety Report

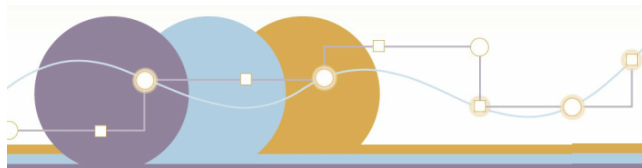
Are We Making Our Roads Safer?

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	Projection
<p>33,210</p> <p>Annual 5-Year Average</p> <p>TREND</p>	<p>States are projected to reduce fatalities below</p> <p>28,000</p> <p>by 2017</p> <p>States that expect the number of fatalities to...</p> <ul style="list-style-type: none"> increase 15 not change 7 decrease 30
<p>1.14</p> <p>Per 100M VMT</p> <p>TREND</p>	<p>States are projected to reduce the fatal crash rate below</p> <p>1.0</p> <p>by 2017</p> <p>States expect the fatal crash rate to ...</p> <ul style="list-style-type: none"> increase 5 not change 7 decrease 40

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





Transportation Performance Management

Communicating Transportation Performance

TPM Home

Our Transportation Investment

Our Economic Well-Being

Our Mobile Lifestyle

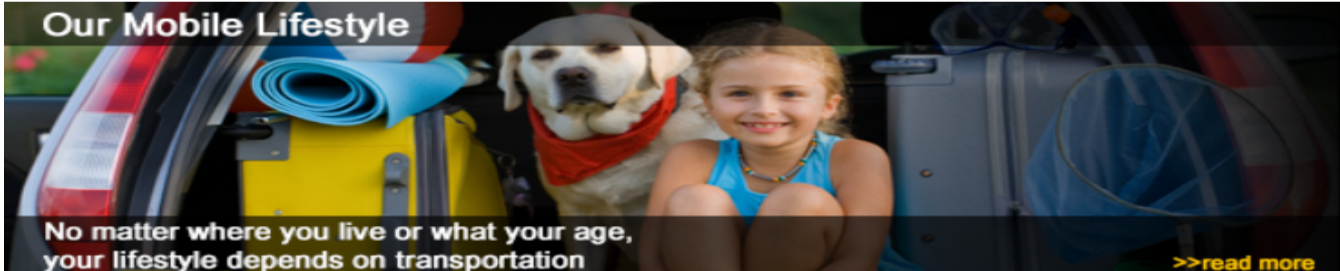
Performance Reports

Transportation Performance Management

FHWA > Transportation Performance Management



Our Mobile Lifestyle



No matter where you live or what your age, your lifestyle depends on transportation

[>>read more](#)

BORING BUT IMPORTANT

- Bridges in the U.S.: 599,766
- Bridges requiring repairs: 152,324
- Cost to repair them: \$140 billion
- What Americans spend each year on soft drinks: \$65 billion
- What the US spent in 2008 repairing bridges: \$12.8 billion

Source: AASHTO, ASCE, National Soft Drink Association



America In Motion!

It's hard not to marvel at the transportation system that keeps America – and you – going.



Demographics Changing Transportation

As we look to the future of transportation, we see that America's needs are evolving.



How is Transportation Funded in the U.S.?

Learn more about how the United States funds transportation and why innovative funding sources are needed.



Mobile Moments: Bicycle Safety Infographic

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

HOW ARE WE MEASURING UP?

HIGHLIGHTED MEASURE

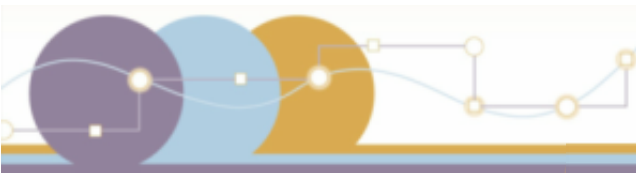
LOWERING FATAL CRASHES

Number of Fatalities

33,210

Annual 5-Year Average



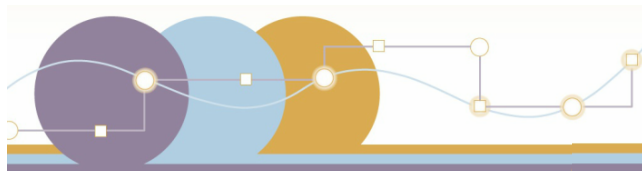


Submit comments to:

www.regulations.gov

FHWA 2013-0054

<https://www.federalregister.gov/articles/2016/04/22/2016-08014/national-performance-management-measures-assessing-performance-of-the-national-highway-system>



Transportation Performance Management

U.S. Department of Transportation
Federal Highway Administration

About Programs Resources Briefing Room Contact Search FHWA

Facebook Twitter YouTube LinkedIn

Transportation Performance Management

TPM and MAP-21 Engagement Resources

Home / Programs / Transportation Performance Management

TPM Digest: Find out the latest in TPM including: Online State Dashboards, Performance Reports, Mobility, Performance Based Planning, Safety, Events, Workshops, Webinars, Transportation Performance Management Research, and Innovation.

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

Engagement

- Rulemaking Stakeholder Engagement
- Readiness Stakeholder Engagement
- Reporting

Resources

- Apply for P2P Technical Assistance
- Noteworthy Practices
- Presentations and Webinars
- Publications
- Tools
- TPM Digest

Email Notification

- Subscribe to email updates

Events

- [Fundamentals of Transportation Data Part 2](#)
Webinar
June 9, 2015
2:00-3:30 PM EST
- [View all Upcoming Events](#)

Related Links

- [FHWA MAP-21](#)
- [FHWA Performance-based Planning](#)
- [FHWA Policy](#)

Contacts

- [Susanna Hughes-Reck](#)
[Office of Transportation Performance Management](#)
202-366-1548
[E-mail Susanna](#)

Thank You

FSWhitson@dot.gov

<http://www.fhwa.dot.gov/tpm/>