

MAP-21

Moving Ahead for Progress in the 21st Century

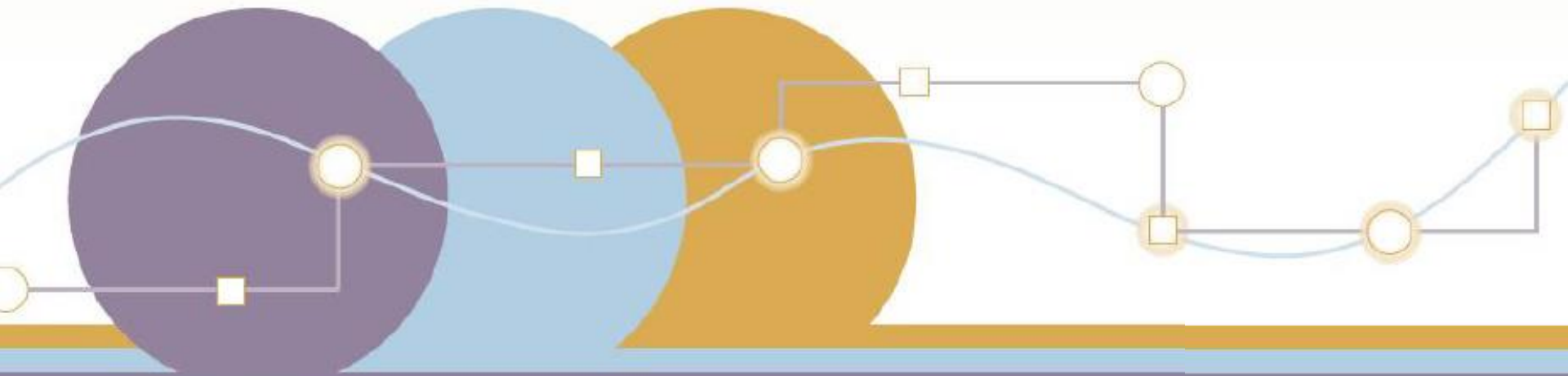
Performance Management Elements

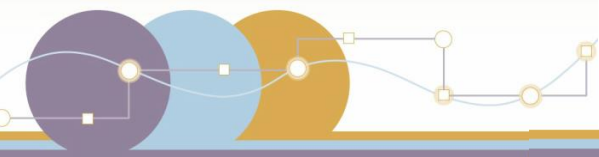
An Overview of Requirements and Implementation Status

November 12, 2013

Francine Shaw Whitson

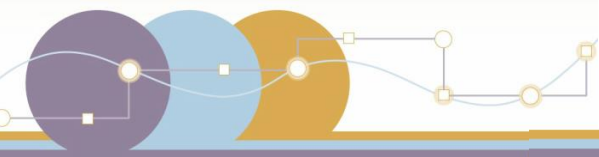
Federal Highway Administration





Agenda

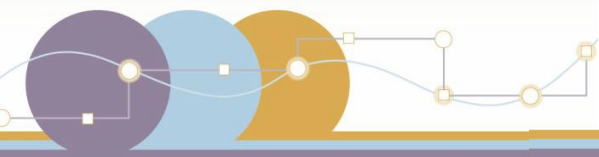
- MAP-21 Background-Performance Requirements
- Inter-related Rules
- USDOT Implementation Approach
- Performance Accountability
- Implementation Schedule
- Other Initiatives



MAP-21 Background-Performance Requirements

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





9 Inter-related Rules

- Highway Safety Programs (NHTSA)
- Highway Safety Improvement Program (FHWA)
- Metro and Statewide Planning (FHWA-FTA)
- Safety Performance Measures (FHWA)
- Infrastructure Performance Measures (FHWA)
- System Performance Measures (FHWA)
- Highway Asset Management (FHWA)
- Transit Asset Management (FTA)
- Transit Safety Plan (FTA)

**USDOT Implementation of MAP-21 Performance Provisions:
Nine Interrelated Rules**

2013

2014

2015

Planning

Metropolitan and Statewide Planning Rule

- Establish a performance-based planning process at metropolitan and state level.
- Define coordination in the selection of targets, linking planning and programming to performance targets.

Highway Safety

Safety Performance Measure Rule

- Propose and define fatalities and serious injuries measures, along with target establishment, progress assessment and reporting requirements.
- Discuss the implementation of MAP-21 performance requirements.

Highway Safety Improvement Program (HSIP) Rule

- Integration of performance measures, targets, and reporting requirements into the HSIP.
- Strategic Highway Safety Plan updates.

Highway Safety Program Grants Rule *

- State target establishment and reporting requirements.
- Highway safety plan content, reporting requirements, and approval.

* Interim Final Rule issued by NHTSA in January 2013.

Highway Conditions

Pavement and Bridge Performance Measure Rule

- Propose and define pavement and bridge condition measures, along with minimum condition standards target establishment, progress assessment and reporting requirements.

Asset Management Plan Rule

- Contents and development process for asset management plan.
- Minimum standards for pavement and bridge management systems.

Congestion/System Performance

System Performance Measure Rule

- Define performance of the interstate system, non-interstate national highway system, and freight movement on the interstate system.
- Finalize interpretation of scope of CMAQ performance requirements, including congestion and on-road mobile source emissions.
- Summarize MAP-21 highway performance measure rules

Transit Performance

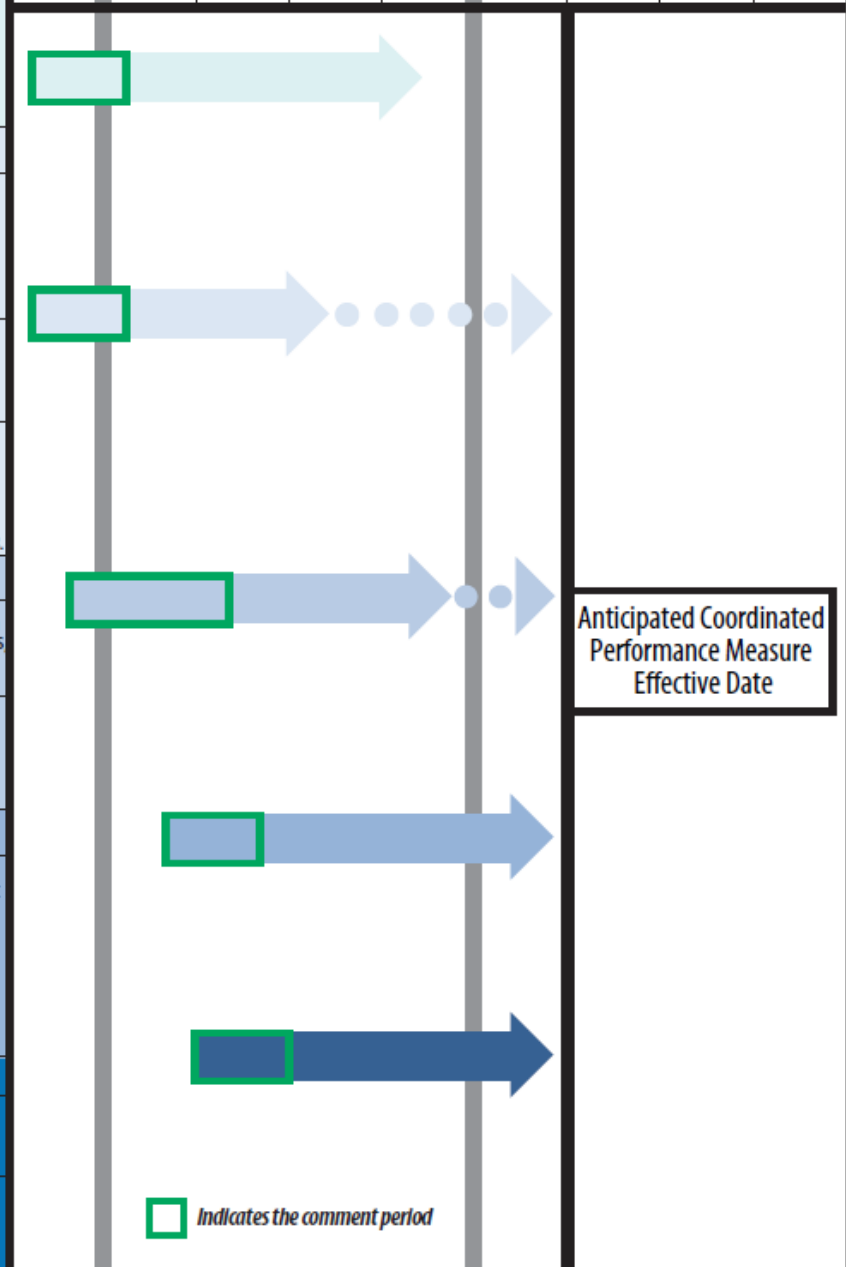
Transit State of Good Repair Rule

- Define state of good repair and establish measures.
- Transit asset management plan content, target establishment and reporting requirements.

Transit Safety Plan Rule

- Define transit safety standards.
- Transit safety plan content and reporting requirements.

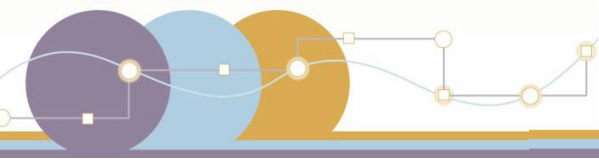
Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4



**Anticipated Coordinated
Performance Measure
Effective Date**

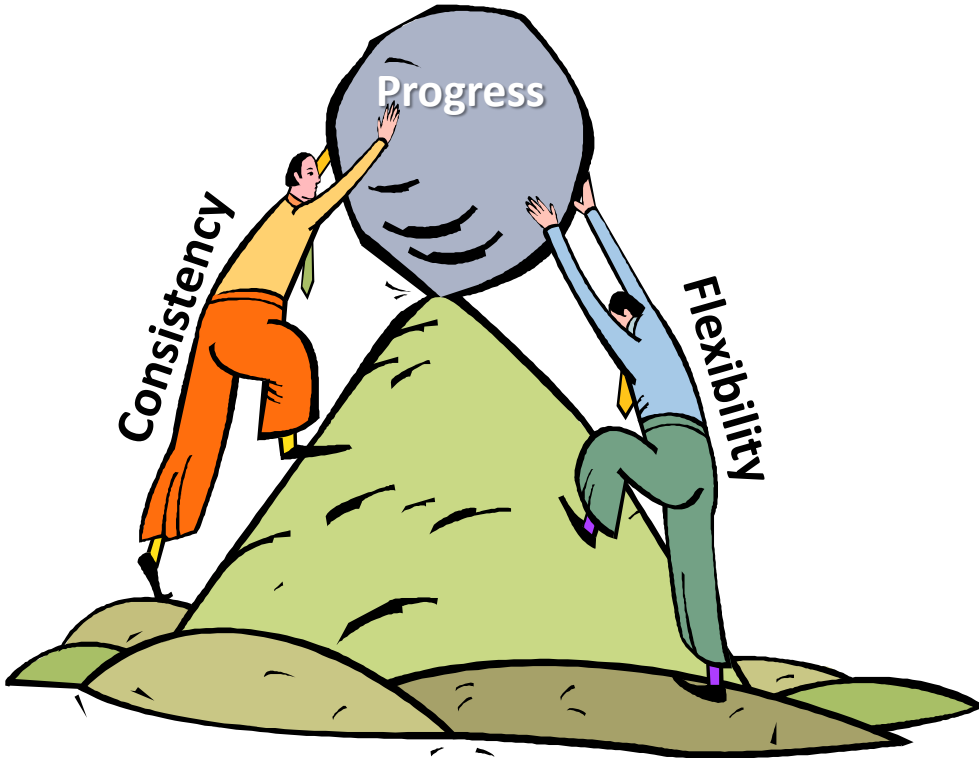
Indicates the comment period

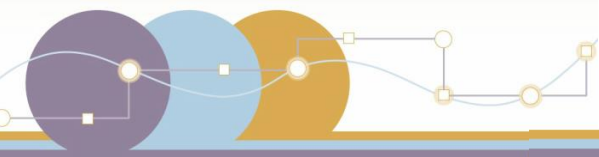
The Federal Transit Administration plans to issue an Advance Notice of Proposed Rulemaking (ANPRM) for each of these two proposed rules in the summer of 2013, providing an additional comment period.



USDOT Implementation Approach

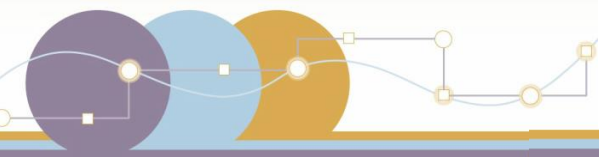
Consideration of Challenges





Measure Groupings

PROGRAM	MEASURE CATEGORY
STATUS I	• Serious Injuries per VMT
	• Fatalities per VMT
	• Number of Serious Injuries
	• Number of Fatalities
STATUS II	• Pavement Condition on the Interstates
	• Pavement Condition on the Non-Interstate NHS
	• Bridge Condition on NHS
STATUS III	• Traffic Congestion
	• On-road mobile source emissions
	• Freight Movement
	• Performance of Interstate System
	• Performance of Non-Interstate NHS



Coordinating Implementation – 9 Rulemakings

Measure Rules

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

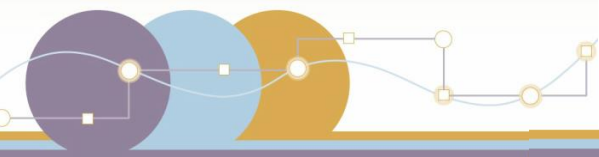
Planning Rule

- 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

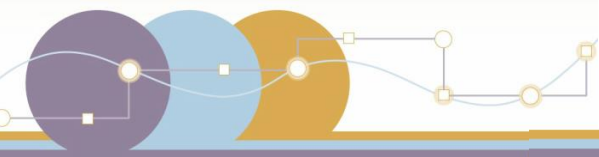




Pavement Performance Measures

States will be required to:

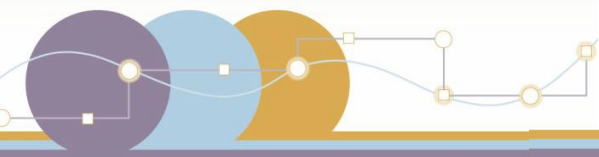
- Use measures to assess pavement condition for:
 - Interstate System
 - Non-Interstate System NHS
- Utilize and maintain necessary data elements
- Meet minimum condition levels established for Interstate pavements
- Set targets for each pavement measure
- Report biennially and make significant progress towards its targets



Bridge Performance Measures

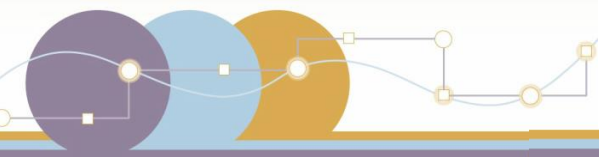
States will be required to:

- Use measures to assess bridge condition for the NHS
- Utilize and maintain necessary data elements
- Meet 10% structurally deficient minimum condition levels established by Congress
- Set targets for each bridge measure
- Report biennially and make significant progress towards its targets



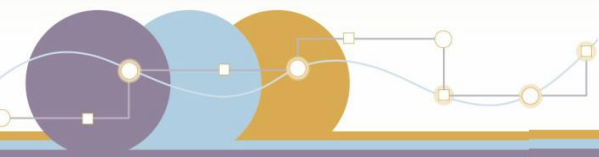
Targets

- 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



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



Implementation Schedule

2013

2014

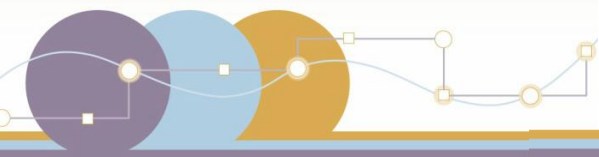
2015

2016

2017

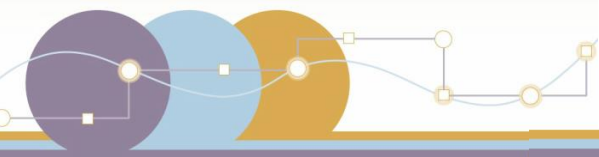
2018





NPRM Status

NPRM	Anticipated Publication Date
Highway Safety Program Grants (interim rule)	Published January 2013
Transit State of Good Repair and Safety Plan (ANPRM)	Published, closes January 2, 2014
Safety Performance Measures	January 2014
Highway Safety Improvement Program	January 2014
Metropolitan and Statewide Planning	February 2014
Asset Management Plan	February 2014
Pavement/Bridge Performance Measures	March 2014
System Performance Measures	May 2014



TPM Initiatives

- Performance Monitoring
- Training
- Reporting
- Guidebooks
- Workshops
- Pilot Programs
- Assessment and Evaluation Tools



TPM and MAP-21

Engagement

Resources

Events

Transportation Performance Management



FHWA > Transportation Performance Management



North Carolina

Refining a Performance Management System



NC Refining a Performance Management System

NCDOT recognized they needed to refine their performance management system and therefore began a transformation process. (.pdf, 0.6 mb)



What is TPM?



NC Refining a Performance Management System



WSDOT's Effective Communication of Performance Drives Results



Transportation Data Palooza

TPM and MAP-21

- [What is TPM?](#)
- [National Goals](#)
- [MAP-21 Performance Requirements Summary](#)
- [Implementation Schedule](#)

Engagement

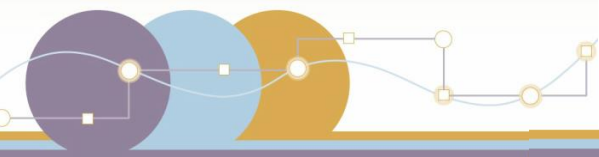
- [Rulemaking Stakeholder Engagement](#)
- [Readiness Stakeholder Engagement](#)

Resources

- [Tools](#)
- [Noteworthy Practices](#)
- [Presentations](#)

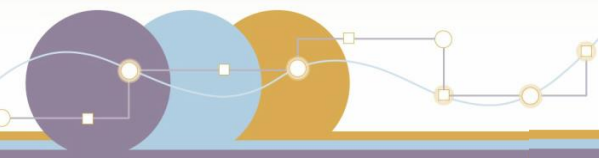
News and Events

- [FHWA Webinar Series: Asset Management Book Club Webinar](#)
March 27, 2013, 2:00 PM EST
- [View all TPM Events](#)
- [Subscribe to email updates](#)



Additional Resources

- **MAP-21 Web Site**
www.fhwa.dot.gov/map21
- **Transportation Performance Management Web Site**
www.fhwa.dot.gov/tpm
- **Performance Measure Rulemaking Direct Contact to FHWA**
PerformanceMeasuresRulemaking@dot.gov
- **Performance-based Planning and Programming**
http://www.fhwa.dot.gov/planning/performance_based_planning/



Thank you!

Questions?

