

MAP-21

Moving Ahead for Progress in the 21st Century

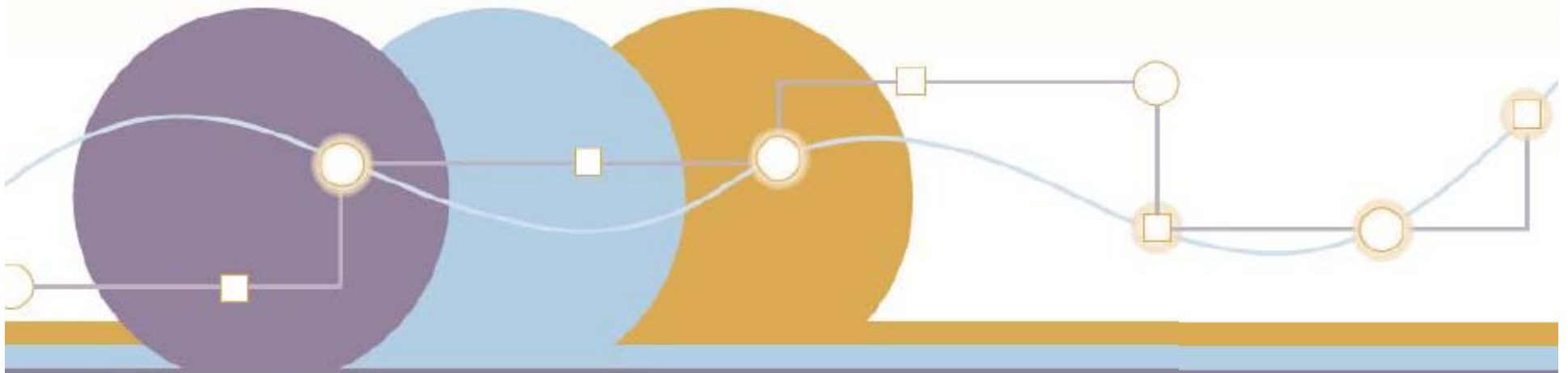
Performance Measure Update

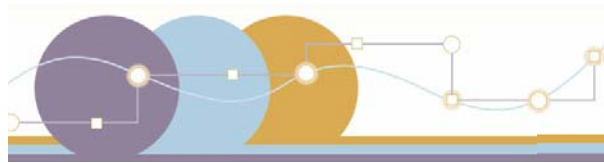
25th Annual Road Profiler User's Group Meeting

September 17, 2013

Christopher Chang

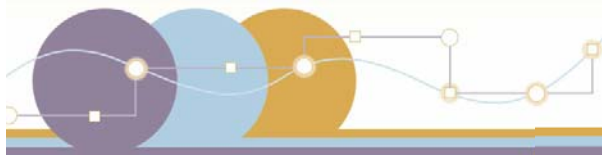
Federal Highway Administration





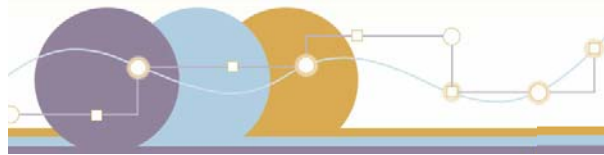
Presentation Outline

- MAP-21 Performance Requirements
- USDOT Implementation Approach
- Resources



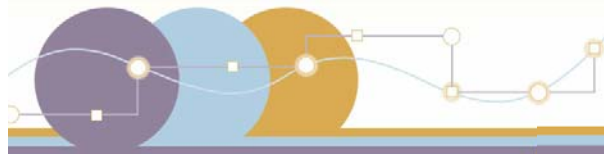
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MAP-21 Performance Requirements



MAP-21 Background-Performance Requirements

- **National Goals** – Focuses the Federal aid program on 7 goals supported through the statewide and metropolitan planning process.
- **Measures** – USDOT to establish performance measures through rulemaking
- **Targets** - All States, Metropolitan Planning Organizations (MPOs), and public transportation agencies required to establish targets for each of the measures established by USDOT.
- **Plans** – All States, MPOs, and public transportation agencies are required to develop a number of plans to document strategies and investments to address performance needs.
- **Reports** – All States, MPOs, and public transportation agencies are required to report on progress toward the achievement of their targets.
- **Accountability** – All States will be held accountable to making significant progress toward the achievement of their targets established for the National Highway Performance Program (NHPP) and the Highway Safety Improvement Program (HSIP).



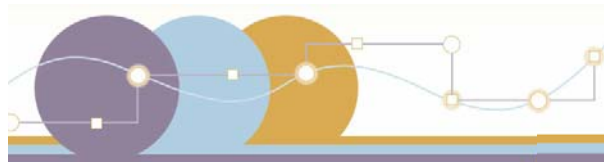
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Measure Areas

- National Highway Traffic Safety Administration (NHTSA)
 - 14 measures documented in 2008 report
- Federal Highway Administration, Federal-aid Highway Program
 - HSIP - Fatalities and Serious Injuries (no. and rate)
 - NHPP

Data elements necessary to collect and maintain standardized data to carry out performance-based approach

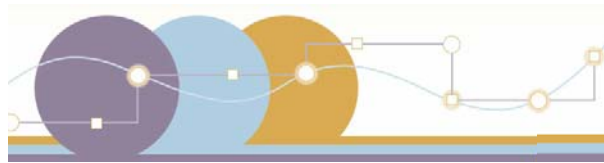
- Congestion Mitigation and Air Quality (CMAQ) Program
 - Traffic Congestion
 - On-road Mobile Source Emissions
- Freight Movement on the Interstate
- Federal Transit Administration - Public Transportation
 - State of Good Repair
 - Safety Criteria



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Targets

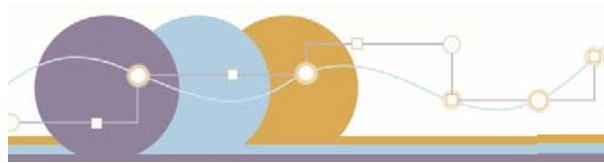
- States, MPOs and public transportation agencies set their own targets.
- NHTSA required to approve that targets are evidence-based and supported by data.
- Target Setting Due Dates
 - Highway Safety (NHTSA)
 - States set targets beginning in 2013.
 - Federal-aid Highway (FHWA)
 - States set targets 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



Plans and Reports

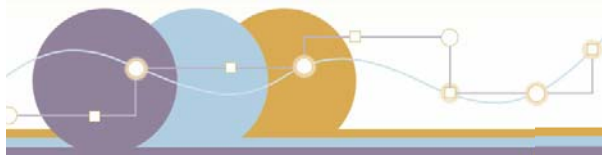
- Strategic Highway Safety Plan and Highway Safety Plan
- Transit and Highway Asset Management Plans
- CMAQ Performance Plan
- Metropolitan Long Range Plan
- Metro and State Transportation Improvement Program

- Highway Safety Improvement Program Report
- Highway Performance Report
- Transit Performance Report
- Metropolitan System Performance Report



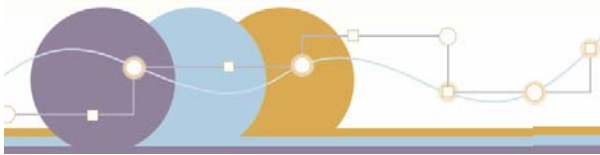
Performance Accountability

- 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

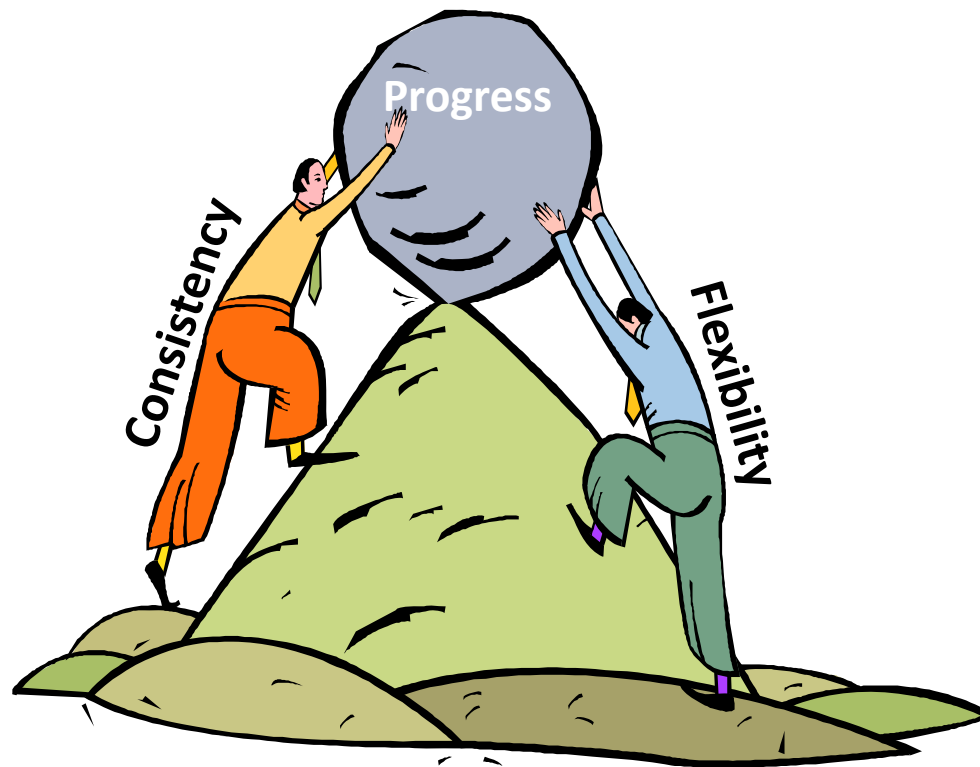


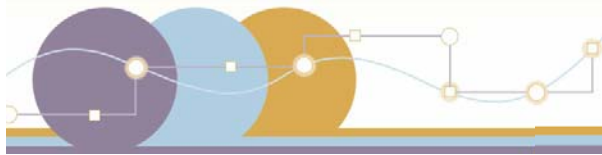
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USDOT Implementation Approach



Consideration of Challenges





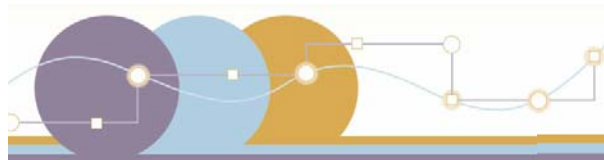
Stakeholder Outreach

■ **Methods of Outreach**

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

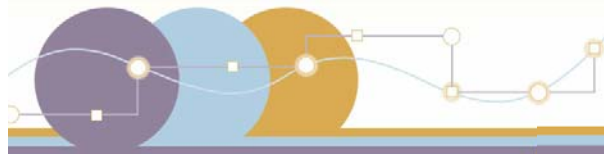
■ **Focused Areas for Outreach**

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



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

Measure Rules

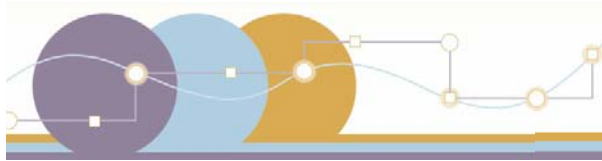
- Define Measure
 - Data Elements
 - Data Source
- Interstate Pavement Condition
- Target Setting Requirements
- Define Significant Progress
- State Performance Reporting
- Establish Timing

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



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Implementation Schedule

2013

2014

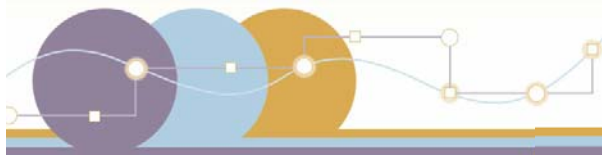
2015

2016

2017

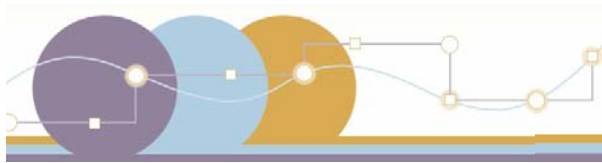
2018





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Resources



More Information

- MAP-21 website
 - Bill summary and funding tables
 - Fact sheets and Q&As
 - Presentations
 - Points of contact
 - Recordings of webinars
(<http://www.fhwa.dot.gov/map21/webinars.cfm>)
- Performance Management Website
(<http://fhwatest.fhwa.dot.gov/tpm/>)
- Training and Support (under development)



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

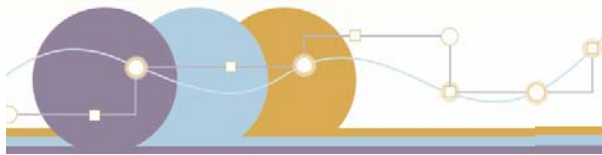
- [Rulemaking Stakeholder Engagement](#)
- [Readiness Stakeholder Engagement](#)

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

- **Transportation Performance Management training courses**
- **MAP-21 Web Site**
www.fhwa.dot.gov/map21
- **Performance Management Web Site**
www.fhwa.dot.gov/tpm
- **Performance Measure Rulemaking Direct Contact to FHWA**
PerformanceMeasuresRulemaking@dot.gov