MAP-21
Moving Ahead with Progress in the 21st Century
Performance Management
An Update on Implementation

TRB Annual Meeting
January, 2013

Federal Highway Administration
MAP-21 Performance Elements

- National Goals
- Performance Measures
- Performance Targets
- Performance Plans
- Performance Reports
- Performance Accountability
Implementation Efforts

• MAP-21 Website
  o Answers to Common Questions
  o Fact Sheets
  o Preliminary Guidance

• Rulemaking

• Final Guidance

• Stakeholder Outreach

• Training and Support
Evaluation of Candidate Measures

Is it Appropriate?
Will the measure support national programs?

Are We Ready?
Can data be in place to support the desired measure?

6 Factors

6 Factors
**Is The Measure Appropriate?**

- **Focused**
  - Is the measure focused on an area of national interest?

- **Collaborated**
  - Has the measure been developed in partnership with stakeholders?

- **Maintainable**
  - Is the measure maintainable to accommodate changes?

- **Impactful**
  - Can the measure be used to support investment decisions, policy making and target setting?

- **Track-able**
  - Can the measure be used to analyze performance trends?

- **Feasible**
  - Has the feasibility & practicality to collect, store, & report data for the measure been considered?
**Transportation Performance Management**

**Are We Ready to Use the Measure?**

<table>
<thead>
<tr>
<th><strong>Who Provides the Data?</strong></th>
<th><strong>Data Quality</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>• Federal Agency</td>
<td>• Timeliness</td>
</tr>
<tr>
<td>• State/Local Agency</td>
<td>• Consistency</td>
</tr>
<tr>
<td>• Third Party</td>
<td>• Completeness</td>
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<tr>
<td></td>
<td>• Accuracy</td>
</tr>
<tr>
<td>• Collection</td>
<td>• Accessibility</td>
</tr>
<tr>
<td>• Storage</td>
<td>• Data Integration</td>
</tr>
<tr>
<td>• Access</td>
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</table>
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 Setting Listening Session
  - Reporting
  - Data Systems and Tools
Related Guidance and Regulations

- Measures Regulation
- Planning Regulation
- Program Regulation and Guidance
- Asset Management Plan Process Regulation
- Public Transportation Regulation
- Highway Safety Plan Regulation
- Implementation Guidance
Transportation Performance Management

Performance Measure Areas

- National Highway Performance Program
  - NHS Bridge Condition
  - Interstate and NHS Pavement Condition
  - Interstate and NHS Performance

- Highway Safety Improvement Program
  - Fatalities on all Public Roads (total number and rate)
  - Serious Injuries on all Public Roads (total number and rate)

- Congestion Mitigation & Air Quality Improvement
  - Traffic Congestion
  - On-Road Mobile Source Emissions

- Freight Policy
  - Freight Movement on the Interstate
Performance Measure Rules

- Establishment of National Measures
  - Measure Definition
  - Data Elements

- Setting Minimum Condition for Interstate Pavements

- Outlining Target Setting Requirements

- Defining Target Achievement

- Outlining Performance Reporting Requirements
## Group Measures Based on Readiness

<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>MEASURE CATEGORY</th>
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<tbody>
<tr>
<td>STATUS I</td>
<td>• Serious Injuries per VMT</td>
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<tr>
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<td>• Fatalities per VMT</td>
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<tr>
<td></td>
<td>• Number of Serious Injuries</td>
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<tr>
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<td>• Number of Fatalities</td>
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<td>STATUS II</td>
<td>• Pavement Condition on the Interstates</td>
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<tr>
<td></td>
<td>• Pavement Condition on the Non-Interstate NHS</td>
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<tr>
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<td>• Bridge Condition on NHS</td>
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<tr>
<td>STATUS III</td>
<td>• Traffic Congestion</td>
</tr>
<tr>
<td></td>
<td>• On-road mobile source emissions</td>
</tr>
<tr>
<td></td>
<td>• Freight Movement</td>
</tr>
<tr>
<td></td>
<td>• Performance of Interstate System</td>
</tr>
<tr>
<td></td>
<td>• Performance of Non-Interstate NHS</td>
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</table>
## Transportation Performance Management

### Staged Rule Schedule

<table>
<thead>
<tr>
<th>Measures / Fiscal Year</th>
<th>Safety Measures</th>
<th>Pavement &amp; Bridge Measures</th>
<th>CMAQ, Performance, and Freight Measures</th>
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<tbody>
<tr>
<td>FY / QUARTER</td>
<td>Status I</td>
<td>Status II</td>
<td>Status III</td>
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<tr>
<td>FY13 (Year 1 of MAP-21)</td>
<td>Q1 Consultation/NPRM</td>
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<td>Q2 Comments</td>
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<td>Q3 Final Rule</td>
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<td>Q4 Final Rule</td>
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<td>FY15</td>
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<tr>
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<td>Q2</td>
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Single Effective Date: Spring 2015
Traffic Congestion and NHS Performance

- Considerations
  - Data sources, availability, coverage
  - Trip information, movement of people
  - Modes of transportation
  - Scalability
  - Target setting

- Current Efforts
  - Acquiring data
  - Exploring measure alternatives
  - Evaluating feasibility for implementation
Thank You!

www.fhwa.dot.gov/map21
PerformanceMeasuresRulemaking@dot.gov