MAP-21
Moving Ahead for Progress in the 21st Century

An Update of MAP-21 Performance Elements

2013 Annual Virginia Concrete Conference
“Count on Concrete to Deliver Quality on Time and Under Budget”

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March 7, 2013
Performance Management Process

- MAP-21: Identifies national goal areas
- USDOT: establish measures, with input, within 18 months
- MAP-21 thresholds
  - Pavement condition on Interstate
  - Bridge condition on NHS
- States and MPOs:
  - State targets within 12 months of USDOT establishment of measures
  - MPO targets within 6 months of State establishment of targets
  - Incorporate measures and targets into planning process
- States report on progress toward targets
  - Report within 4 years of enactment; biennially thereafter
  - Insufficient progress toward NHPP/HSIP targets
    -> triggers corrective actions (not sanctions)
Transportation Performance Management

**Performance Measures**

**Highways**
- Safety (4)
- Infrastructure Cond. (3)
- System Performance (2)
- Freight Movement (1)
- Traffic Congestion (1)
- On-Road Mobile Source Emissions (1)

**Public Transportation**
- “State of Good Repair”
- Condition of Assets
- Safety Performance Criteria

**Highway Safety Programs**
- 14 Measures
Performance Measure Rule

- 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
## RELEASE OF PROPOSED 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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<td>• Number of Fatalities</td>
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<td>STATUS II</td>
<td>• Pavement Condition on the Interstates</td>
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<td>• Pavement Condition on the Non-Interstate NHS</td>
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<td>• Bridge Condition on NHS</td>
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<tr>
<td>STATUS III</td>
<td>• Traffic Congestion</td>
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<td></td>
<td>• On-road mobile source emissions</td>
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<td></td>
<td>• Freight Movement</td>
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<td>• Performance of Interstate System</td>
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<td>• Performance of Non-Interstate NHS</td>
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**Performance Plans**

- Safety
- Asset Management
- Metro System Performance
- Congestion & Air Quality
- Freight
- Transportation Improvement Programs

**Performance Reports**

- Transit Performance
- Highway Performance
- Safety Performance
- Congestion & Air Quality
- Metro System Performance
- 5 Yr Report to Congress
- Conditions and Performance
Performance Targets

- States, MPOs, and public transit providers set targets for each of the measures
- Coordination between States, MPOs and public transit providers to ensure for consistent targets
- Option to set different targets for urban and rural locations
- Identified through planning process with reference to individual performance plans
Performance Accountability

- Target Achievement Requirement
  - National Highway Performance Program
  - Highway Safety Improvement Program
- Metro Planning Certification Review
- Statewide Performance-Based Planning Process Evaluation
- 5 Year Progress Evaluation of each State and each MPO
CONCRETE’S ROLE IN PERFORMANCE MANAGEMENT

- The achievement of long term performance with constrained budgets

Example Direct Benefits
- Reduced Life-Cycle Costs
- Reductions in congestion from workzones
- Reduced congestion reduces emissions
The goal of performance management is to achieve long term performance efficiently.
More Information

- MAP-21 website ([www.fhwa.dot.gov/map21](http://www.fhwa.dot.gov/map21))
  - 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](http://www.fhwa.dot.gov/map21/webinars.cfm))


- Training and Support (under development)
**Every Day Counts**

- **EDC 2 Initiatives**
  - Implementing quality environmental documents and Programmatic Agreements
  - Local Program Administration
  - 3D modeling for construction, intelligent compaction, accelerated bridge construction, and high-friction surfaces
  - Design-build, CMGC, and alternative technical concepts
  - Intersection and interchange geometrics
  - Geospatial data collaboration and SHRP2 national traffic incident management responder training
- **Spring Summits (VA schedule):** April 2, 3, and 4
- **FHWA EDC Website** [www.fhwa.dot.gov/everydaycounts/](http://www.fhwa.dot.gov/everydaycounts/)
Thank You

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