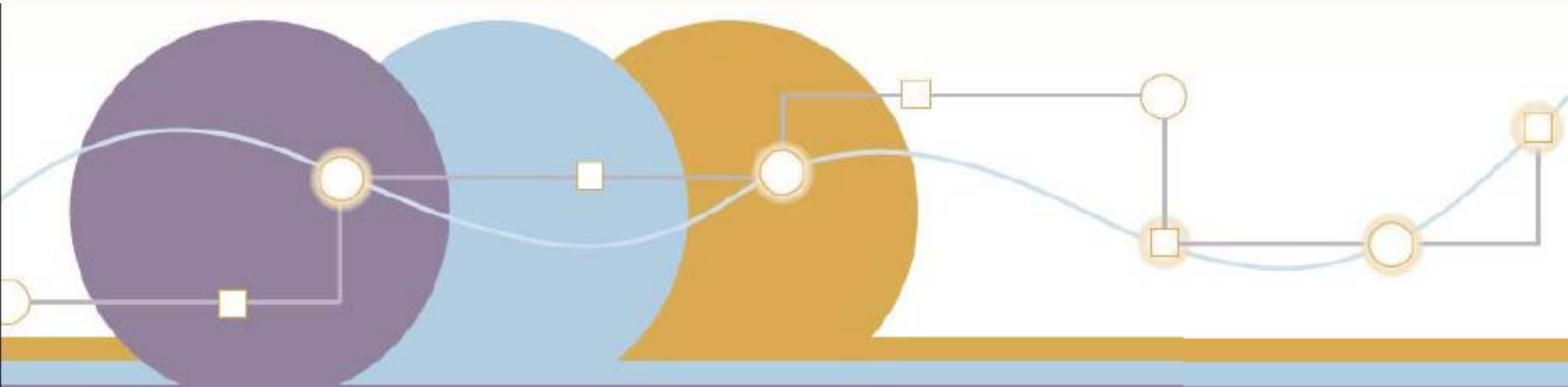


# Moving the FHWA Toward a Performance-Based Transportation Program

April 17, 2012

9<sup>th</sup> National Conference on Transportation Asset Management





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## *Discussion Outline*

- FHWA's Preparation for Performance-Based Program (PBP)
  - Internal Reorganization
  - Performance Management vs. Asset Management
  - Proposed Reauthorization
- FHWA's Vision for Implementing a PBP
- On going efforts



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## ***Current Environment***

- Greater emphasis on Performance of Transportation System
- Increase in Demand for Transparency and Accountability in Federal Program
- System Performance language in both Proposed Highway Bills.



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## ***FHWA Internal Actions to Support Delivery of Performance-Based Program***

- Designated a Champion – Pete Stephanos
- Proposed a new Office – Office of Transportation Performance Management
- Instituted a Coordination Group – Core Team
- Established an advisory group – Council
- Coordinate approach of preparation and implementation
- Formed “TPM Roundtable”



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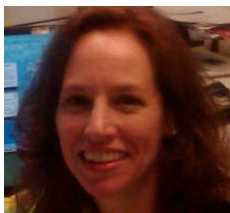
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## *Key Contacts of the Proposed Office*



### **Policy and Guidance Team**

Francine Shaw Whitson – (202) 366-8028



### **Institutional Capacity Development Team**

Susanna Hughes Reck – (202) 366-1548



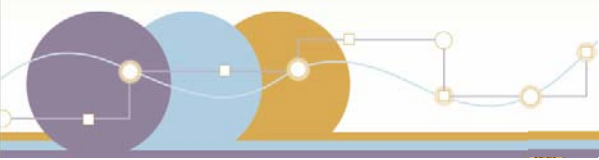
### **Performance Management and Analytical Tools Team**

Mark Swanlund – (202) 366-1323



### **Assessment and Reporting Team**

Connie Yew – (202) 366-1078



***Performance Management***  
***vs.***  
***Asset Management***



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## *Performance Management or Asset Management?*

“The best way to define the relationship between asset management and performance management is to recognize that **broad performance principles apply to asset management** as well as other aspects of the transportation system and transportation organizations.”

***NCHRP 20-24(58)***



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## *One might ask...*

- Performance Management? What about Asset Management?
- Has FHWA change the terms?
- What happened to FHWA Office of Asset Management?





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## *Performance Management or Asset Management?*

“**Asset Management** refers to **applying performance management principles to the management of transportation physical assets** and provides a strategic approach for maintaining assets in a “state-of –good-repair”.

***NCHRP 20-24(58)***





# Transportation Performance Management



Goal Areas	Goal Statement
Safety	To achieve a significant reduction in traffic fatalities and serious injuries
Infrastructure Condition	To maintain the highway infrastructure asset system in a state of good repair
System Reliability	To improve the reliability of the transportation system and to reduce both recurring and non-recurring congestion on our highways.
Freight Movement/ Economic Vitality	To improve the national freight transportation system, strengthen the ability of rural communities to access national and international trade markets and support regional economic development.
Environmental Sustainability	To enhance the performance of our transportation system while protecting and enhancing the natural environment.
Reduce Project Delivery Delay	



# Transportation Performance Management



## *The Proposals – Side by Side Comparison*

Element	Senate Version	House Version
<b>Performance Goals</b>	<p><b>6</b> national goal areas:</p> <ul style="list-style-type: none"> <li>- Safety</li> <li>- Infrastructure Condition</li> <li>- System Reliability</li> <li>- Freight Movement/Economic Vitality</li> <li>- Environmental Sustainability</li> <li>- Reduce Project Delivery Delays</li> </ul>	<ul style="list-style-type: none"> <li>- <b>1</b> national performance management goal</li> <li>- Nation’s highway and public transportation systems</li> <li>- Ensure:               <ul style="list-style-type: none"> <li>- economic growth</li> <li>- safety improvement</li> <li>- increased mobility</li> </ul> </li> </ul>
<b>Measures</b>	<ul style="list-style-type: none"> <li>- Measures for <b>5</b> national goal areas</li> <li>- USDOT establishes measures</li> </ul>	<ul style="list-style-type: none"> <li>- Measures for <b>11</b> categories (22 max measures)</li> <li>- States recommend measures</li> <li>- USDOT establishes measures.</li> </ul>



# Transportation Performance Management



## *The Proposals – Side by Side Comparison*

Element	Senate Version	House Version
<b>Targets</b>	<ul style="list-style-type: none"> <li>- States &amp; MPOs establish targets.</li> <li>- USDOT certifies target.</li> <li>- Accountability to meeting targets</li> </ul>	<ul style="list-style-type: none"> <li>- States establish &amp; adjust targets</li> <li>- USDOT sets process</li> </ul>
<b>Plans</b>	<ul style="list-style-type: none"> <li>- Investment plans required</li> <li>- Integrated into planning process</li> <li>- USDOT certifies plans</li> </ul>	<ul style="list-style-type: none"> <li>- Investment plans required</li> <li>- Integrated into planning process</li> <li>- USDOT sets process</li> <li>- Plans required to use funds</li> </ul>
<b>Reporting</b>	<ul style="list-style-type: none"> <li>- States required to submit performance progress report</li> <li>- USDOT required to produce national performance report</li> </ul>	<ul style="list-style-type: none"> <li>- States required to submit performance progress report</li> </ul>



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## *Common Authorization Themes*

- National performance areas
- National performance measures
- State performance targets
- Plans to document investment strategies
- Transparent performance reporting
- Performance based planning and programming
- Performance accountability



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## *Differences to be Resolved*

- Specific national performance areas
- Implementation schedule
- Approach to accountability requirements
- Approach to target setting
- Federal role
  - ✓ Plan development
  - ✓ Target setting
  - ✓ National reporting



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## *Challenges and Opportunities*

- Need for consistent measures
- Reliability and quality of data
- Availability and timeliness of data
- Target setting
- Agency coordination
- Linking actions with outcomes





# Transportation Performance Management

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## The TPM Actions

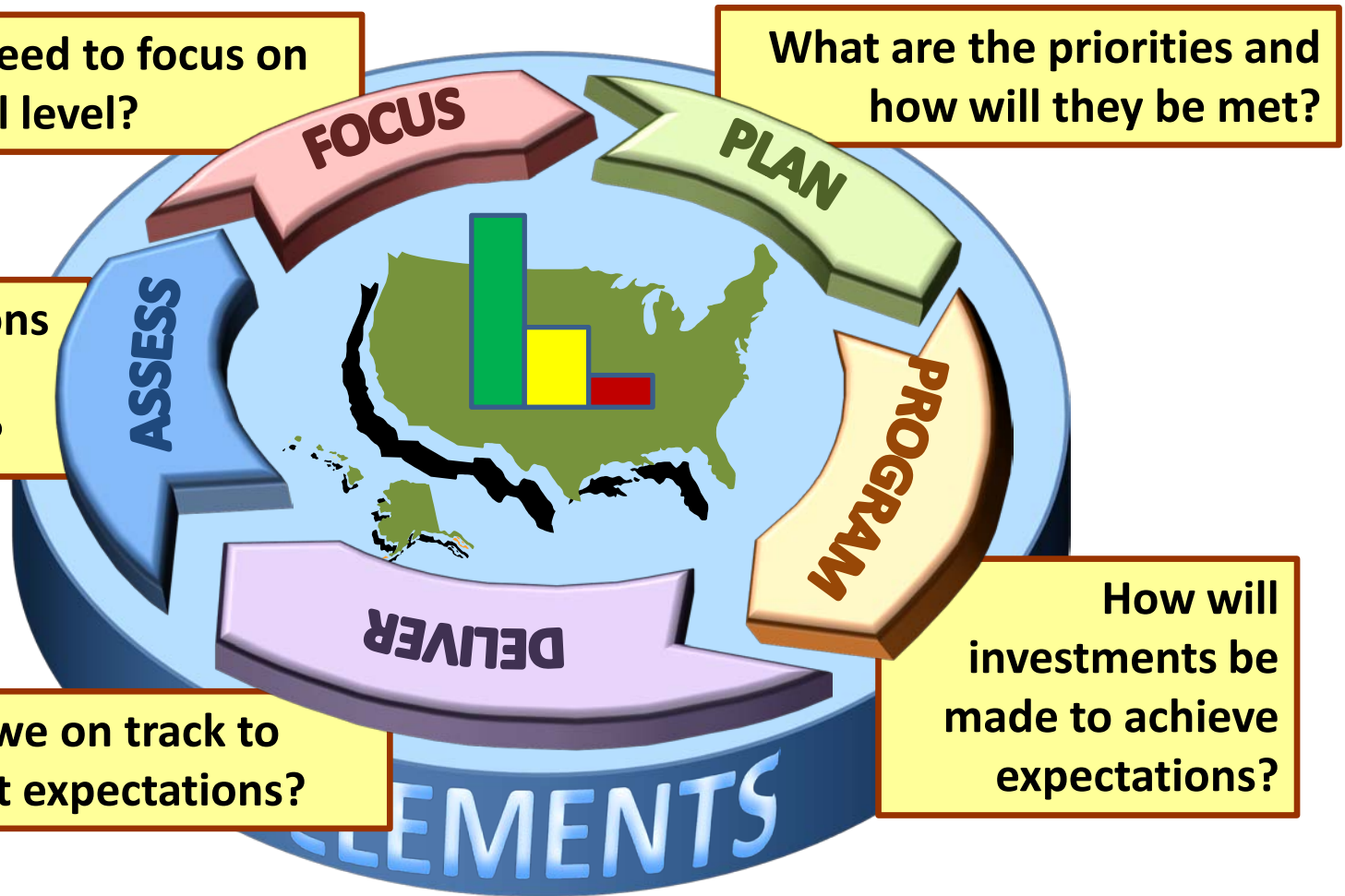
What do we need to focus on at the national level?

What are the priorities and how will they be met?

Were expectations met?  
Why? Why not?

Are we on track to meet expectations?

How will investments be made to achieve expectations?



*Measures – Targets – Investment Plans – Progress Tracking - Reports*



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## *Ongoing FHWA Efforts*

### 1. Building Our Strength

- **FHWA Awareness Training** -Developed a 90 minute training session on PM concepts and envisioned FHWA roles to carry out a national program.
- **Core Competencies**-Have identified four core competencies and desired proficiency
- **Data Integration**-Conducting a data integration project to develop a framework to pull together key FHWA information systems (financial, project, performance ) so that investments and work activities can be better linked to performance outcomes.



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## *Ongoing FHWA Efforts*

### **2. Promote Best Practices**

- NCHRP project underway in several metropolitan locations to highlight model approaches to develop performance-based Statewide and Metropolitan Long Range Transportation Plans.
- Have developed a series of Highway Safety Manual case studies to showcase effective uses of new highway safety analysis tools
- National workshops in Performance-based Planning and Programming.
- Held national workshop in Detroit in Oct, 2011 on Assessing Infrastructure Health.



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## *Ongoing FHWA Efforts*

### **3. Partnering to Design Framework for a National Program**

- Working with AASHTO to develop measures that can be used to report on performance outcomes in each of the national performance areas.
- Working with AASHTO and AMPO to test out how reliably existing tools can be used to set realistic targets.
- Exploring approaches that can be used by States and MPOs to develop plans to document how program investments and strategies can achieve targets.
- Developing template Asset Management Plan through the new TAM ETG.



# Transportation Performance Management

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**Questions?**

# Thank You!

Francine Shaw Whitson

[FSWhitson@dot.gov](mailto:FSWhitson@dot.gov)

(202) 366-8028

Christopher Chang

[Christopher.Chang@dot.gov](mailto:Christopher.Chang@dot.gov)

(202) 366-4657

