



U.S. Department of Transportation
Federal Highway
Administration

2013 Virginia Concrete Conference

Irene Rico

Division Administrator



- **MAP-21 Update**
- **Innovation – What's New?**



MAP-21

Moving Ahead for Progress in the 21st Century

- *Expands the National Highway System (NHS)*
- *Supports the Department of Transportation's (DOT) aggressive safety agenda*
- *Streamlines Federal highway transportation programs*
- *Accelerates project delivery*
- *Promotes innovation*
- *Establishes a performance-based program*



MAP-21

Moving Ahead for Progress in the 21st Century

Performance Management

- *Transition to a performance and outcome-based program*

MAP-21 establishes national performance goals for Federal highway programs:

- *Safety*
- *Infrastructure condition*
- *Congestion reduction*
- *System reliability*
- *Freight movement and economic vitality*
- *Environmental sustainability*
- *Reduced project delivery delays*



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Innovation





What's New?...EDC 2!

- **FHWA launching a set of new initiatives!**
- FHWA rolled out a second wave of innovations for its Every Day Counts initiative
- Focus is on **shortening the time** needed to **complete highway projects**



Summary of what to expect on EDC2:

- Programmatic Agreements II
- Locally Administered Federal-Aid Projects
- Three-Dimensional Modeling
- Intelligent Compaction
- **Accelerated Bridge Construction**
- Design Build
- Construction Manager/General Contractor
- Alternative Technical Concepts
- High Friction Surfaces
- Intersection and Interchange Geometrics
- Geospatial Data Collaboration
- Implementing Quality Environmental Documentation
- SHRP 2 National Traffic Incident Management Responder Training



Accelerated Bridge Construction

- **DOTs can replace bridges within 48 to 72 hours**
- **Reduce planning and bridge construction efforts by years**
- **Three particular ABC technologies being promoted**
 - **Prefabricated Bridge Elements and Systems (PBES)**
 - **Slide-In Bridge Construction**
 - **Geosynthetic Reinforced Soil – Integrated Bridge System (GRS-IBS)**

What is SHRP2? Tools to save lives, save money, save time

- **2nd Strategic Highway Research Program**
- **This is collaborative effort of AASHTO, FHWA, and TRB**
- **SHRP2 authorized in SAFETEA-LU in 2005**
- **MAP-21 includes a provision for SHRP2 implementation**
- **SHRP2 is authorized for \$312 M, of which \$218 M has been obligated to TRB**
- **States have agreed to provide additional funding to SHRP2**
- **Brings approximately \$160 M in funds to support SHRP2**



SHRP2 Focus Areas



•**Safety:** To reduce the severity of highway crashes



•**Renewal:** To accelerate the renewal of America's highway infrastructure



•**Reliability:** To provide a highway system with reliable travel times



•**Capacity:** To increase highway capacity in support of economic, environmental, and social goals

SHRP2 – Implementation and Assistance Program

- **First round implementation...six products selected**
 - **Innovative Bridge Designs for Rapid Renewal (R04)**
 - **Managing Risk in Rapid Renewal Projects (R09)**
 - **Innovative Strategies for Managing Complex Projects (R10)**
 - **Preservation on High-Volume Roadways (R26)**
 - **Implementing Eco-Logical (C06)**
 - **Organizing for Reliability Tools (L01/L06)**

Solicitation Closes March 22!!!!



In Closing

- **In times of limited budgets important to balance**
- **To maximize the investment made in bringing us together to opportunities like the concrete conference**
- **To afford us the opportunity to strengthen our partnerships**
- **To learn more about latest developments**
- **To learn more about innovative methods**
- **To take away good practices**
- **To continue to collaborate**



A lot of improvements accomplished in 2012..More on the way for 2013!

- I-95 restoration of 11 bridges... over the half way point**
- I-495 HOT Lanes opened one month early**
- Route 460 Connector, design-build project, post-tensioned segmental bridge**
- Award of I-581/Elm Avenue Interchange design-build, safety and operations**



Thank You

- **American Concrete Pavement Association, Mid-Atlantic Chapter**
- **Virginia Chapter of ACI**
- **Virginia Ready-Mixed Concrete Advisory Council**
- **Precast Concrete Association of Virginia**
- **Virginia Department of Transportation**
- **Federal Highway Administration**
- **Conference Sponsors**
- **Conference Participants and Speakers**
- **Conference Committee!!!**