2013 Virginia Concrete Conference

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Division Administrator
• MAP-21 Update
• Innovation – What’s New?
• 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
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
Innovation

What's New? EDC2!

Every Day Counts

SHRP2 SOLUTIONS
TOOLS FOR THE ROAD AHEAD
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!!!