



SHRP2 Solutions for the AASHTO Subcommittee on Construction

Richard Duval
Little Rock, Arkansas
August 12, 2015

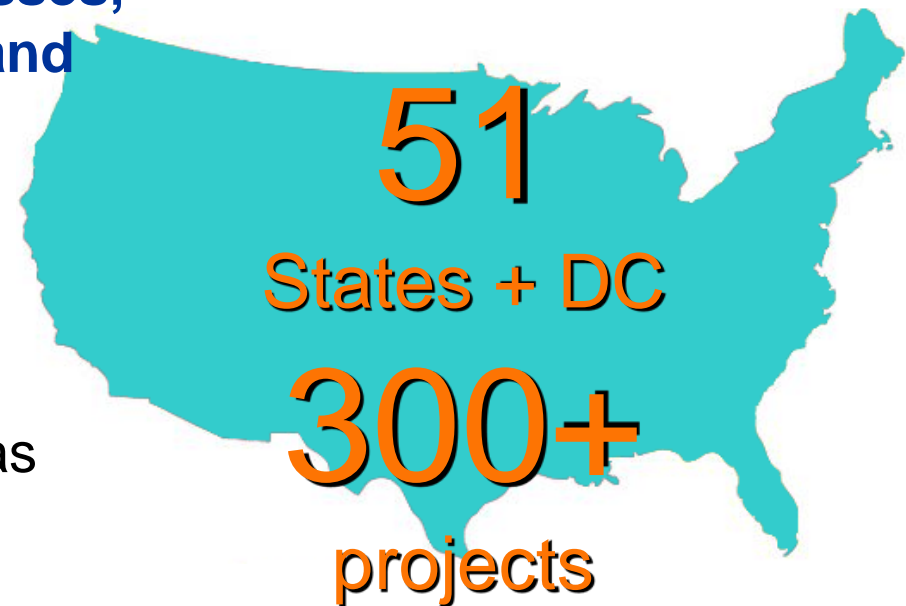


U.S. Department of Transportation
Federal Highway Administration



SHRP2 Implementation

- **SHRP2 Solutions** – 63 products bundled into 40 implementation efforts
- **Solution Development** – processes, software, testing procedures, and specifications
- **Field Testing** – refined in the field
- **Implementation** – 300+ transportation projects; adopt as standard practice
- **SHRP2 Education Connection** – connecting next-generation professionals with next-generation innovations





Some SHRP2 Successes to Date

- 9 out of 13 new **bridges built** using *Innovative Bridge Designs for Rapid Renewal* (R04)
- New **websites** for major capacity and reliability products:
 - *PlanWorks* (C01) at <https://fhwaapps.fhwa.dot.gov/planworks>
 - *EconWorks/TravelWorks* (C03/11, C16) at www.planningtools.transportation.org
 - National Operations Center of Excellence (L17) at www.transportationops.org
- **120,000+ incident responders trained** through *National Traffic Incident Management Responder Program* (L12)



SHRP2 Solutions to Answer Your Construction Challenges



- **Performance Specifications** for Rapid Renewal (R07)
- Advanced Methods to **Identify Pavement Delamination** (R06D)
- Technologies to **Enhance Quality Control** on Asphalt Pavements (R06C)
- Techniques to **Fingerprint Construction Materials** (R06B)
- Tools to **Improve PCC Pavement Smoothness** During Construction (R06E)
- **Precast** Concrete Pavement (R05) and New **Composite** Pavement Systems (R21)
- **Work Zone Impacts** and Strategies Estimator Software – WISE (R11)



Upcoming Round 7

- **Last anticipated round!**
- Important Dates:
 - **Product Webinars – February – March**
 - **Application Period – Friday, April 1st - Friday, April 29th**
- Anticipated products in Round 7 include:
 - 7 renewal products
 - Utility bundle
 - 2 Reliability products
 - Reliability data and analysis tools bundle



Upcoming Construction-Related Opportunities in Round 7

- **Utility Bundle (*R01A/R01B/R15B*)**
- **Techniques to Fingerprint Construction Materials (*R06B*)**
- **Advanced Methods to Identifying Pavement Delamination (*R06D*)**
- **Guidelines for the Preservation of High-Traffic-Volume Roadways (*R26*)**
- **Nondestructive Testing for Tunnel Linings (*R06G*)**
- **Nondestructive Testing for Concrete Bridge Decks (*R06A*)**
- **Service Life Design for Bridges (*R19A*)**
- **Service Limit State Design for Bridges (*R19B*)**
- **Reliability Data and Analysis Tools (*L02/ L05/L07/ L08/ C11*)**
- **Reliability in Simulation and Planning Models (*L04*)**
- **Regional Operations Forum (*L36*)**

Questions?

- **GoSHRP2 website**
www.fhwa.dot.gov/goSHRP2
 - Product details
 - Information about SHRP2 implementation phases
- **SHRP2 @AASHTO**
<http://SHRP2.transportation.org>
 - Implementation Information for AASHTO members

