

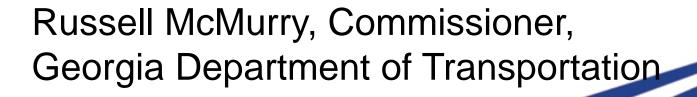








Using SHRP2 Innovations in the Real World



August 4, 2015







Presentation Agenda

- SHRP2 Update
- Mike Hancock, Secretary, Kentucky Transportation Cabinet
- Catherine C. McGhee, Associate Director for Safety, Operations and Traffic Engineering, Virginia Center for Transportation Innovation and Research
- Brian Mayhew, Traffic Safety Systems
 Engineer, Traffic Safety Unit, North Carolina
 Department of Transportation



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 expected through Round 6; goal is to adopt as standard practice
- SHRP2 Education Connection connecting next-generation professionals with next-generation innovations

51
States + DC
300+
Projects Soon
Underway



Some 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 <u>https://fhwaapps.fhwa.dot.gov/planworks</u>
 - EconWorks/TravelWorks (C03/11, C16) at <u>www.planningtools.transportation.org</u>
 - National Operations Center of Excellence (L17) at <u>www.transportationops.org</u>
- 122,000+ incident responders trained through National Traffic Incident Management Responder Program (L12)



Round 7 – Anticipated in 2016

- Utility Bundle (R01A/R01B/R15B)
- Railroad DOT Mitigation Strategies (R16)
- 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)



Our Speakers

Mike Hancock

Secretary,

Kentucky Transportation Cabinet

Improving Pavements by Design



Our Speakers

Catherine C. McGhee

Associate Director for Safety, Operations and Traffic Engineering, Virginia Center for Transportation Innovation and Research

Finding the Economic Benefits from Your Transportation Projects



Our Speakers

Brian Mayhew

Traffic Safety Systems Engineer, Traffic Safety Unit, North Carolina Department of Transportation

Preventing Lane Departure Crashes on Rural, Two-Lane Roads Using New SHRP2 Research