



Rocky Mountain West Pavement
Preservation Partnership
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SHRP2 Implementation Update

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What is SHRP2?

Tools to save lives, save money, save time.



- Products developed from objective, credible research



- Solutions that respond to challenges of the transportation community – safety, aging infrastructure, congestion



- Collaborative effort of AASHTO, FHWA, and TRB
- Tested products, refined in the field

SHRP2 Solutions offer new technologies and processes to enhance the efficiency of transportation agencies

Focus Areas



Safety: fostering safer driving through analysis of driver, roadway and vehicle factors in crashes, near crashes, and ordinary driving



Renewal: rapid maintenance and repair of the deteriorating infrastructure using already-available resources, innovations and technologies



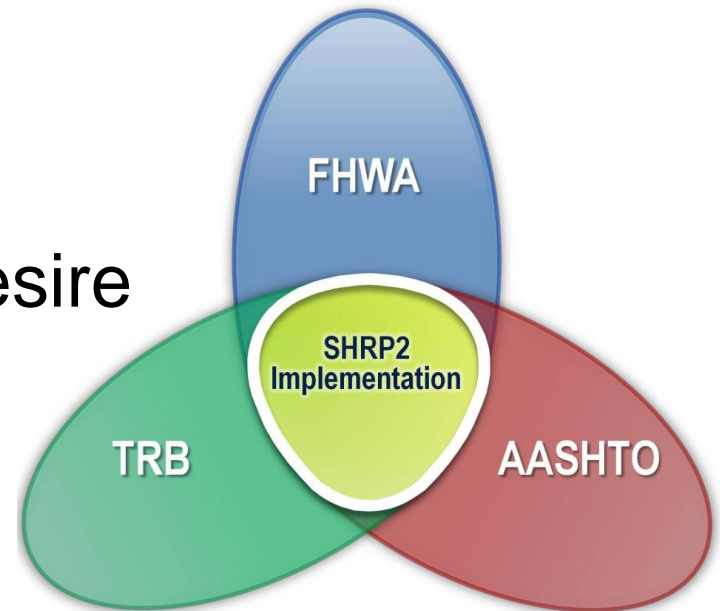
Capacity: planning and designing a highway system that offers minimum disruption and meets the environmental, and economic needs of the community



Reliability: reducing congestion and creating more predictable travel times through better operations

SHRP2 Efforts are Collaborative

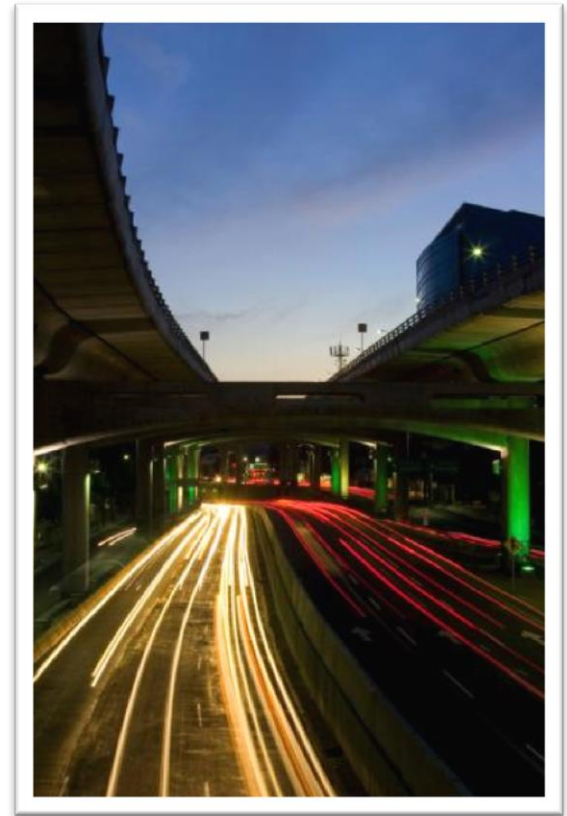
- Implementation is cooperative
- It engages:
 - AASHTO
 - FHWA
 - SHRP2/TRB staff
- Relies on States and their desire to serve their customers
- States are the customers of AASHTO, FHWA & TRB
- FHWA, TRB also serve locals, academia, MPOs



Implementing SHRP2 Solutions

Moving Forward

- 66 high-priority products introduced over the next several years
- Users run the gamut of the transportation industry
- Selected products integrated into current transportation practices



Implementation Assistance

Levels of Engagement



Proof of Concept Pilot

- Funds for piloting products to evaluate readiness for implementation
- Contractor support to collect data and evaluate the application

Lead Adopter Incentive

- Funds for early adopters to offset implementation cost and mitigate risks
- Recipients required to provide specific deliverables designed to further refine the product, and possibly “champion” the product to other States and localities

User Incentive

- Funds for implementation support activities after early adopter use
- Used to conduct internal assessments, build capacity, implement system process changes, organize peer exchanges, or offset other implementation costs

Renewal Product Overview

Project Management & Design

- Risk management
- Managing complex projects
- Performance specifications
- Work zone impact software
- Fatigue risk management
- Geotechnical solutions

Pavements

- Preservation for high volume roadways
- Composite pavement systems
- Modular pavement solutions
- Using existing pavements in place

Structures

- Bridge designs for rapid renewal
- Service life guide, systems, and components for 100-year bridges

Non-Destructive Testing

- NDTools - Concrete Bridge Decks
- Fingerprinting construction materials
- Tunnel lining defects
- Asphalt pavement QC
- Pavement delamination
- Pavement smoothness

Utilities and Railroads

- Identification of utility conflicts
- Utility locating technologies
- 3-D Utility location technology
- Practices to expedite DOT/Railroad coordination

Renewal Products - Looking Ahead

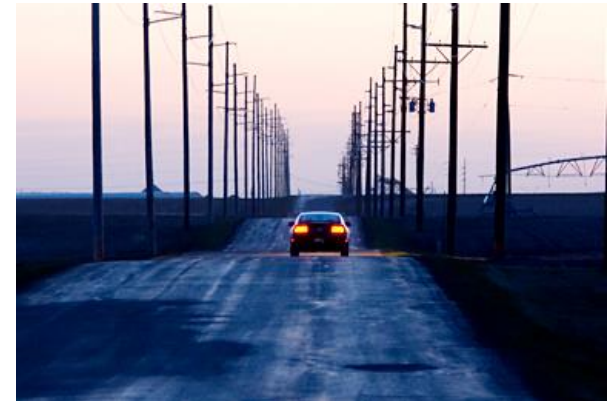
Coming Soon

R02: Web-based Technical Support Tool for Geotechnical Solutions

R05: Precast Concrete Pavement

R15B: Identifying and managing Utility Conflicts

R23: Long Life Pavements



Additional Resources

Product Fact Sheets

<http://shrp2.transportation.org>



SHRP2 Tuesdays Webinars

- **October 29:** Bridges for Service Life Beyond 100 Years (R19A)
- **November 5:** Incorporation of Travel Time Reliability into the Highway Capacity Manual (L08)
- **November 19:** SHRP2 Economic Impact Tools (C03 and C11)
- **December 3:** Composite Pavement Systems (R21)
- **December 17:** Integrating Freight Considerations (C15)

<http://www.trb.org/StrategicHighwayResearchProgram2SHRP2/SHRP2Webinars.aspx>

SHRP2 on the Web

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

The screenshot shows the SHRP2 Solutions website homepage. The header features the SHRP2 Solutions logo with the tagline 'TOOLS FOR THE ROAD AHEAD' and navigation links for Home, About, Solutions, Your SHRP2, Resources, News & Events, Get Involved, and FAQ. A search bar is located in the top right corner. The main content area includes a large banner with the text 'Save lives. Save money. Save time.' and a description of the SHRP2 program. Below the banner are several sections: 'Your SHRP2' with a list of stakeholders (Transportation Agencies, Private Industry, Research Community, Stakeholders and Users); 'Solution Spotlight' featuring 'Implementing Eco-Logical' with a photo of a bridge; 'Get Involved' with a call to action for funding and support; 'SHRP2 Nationwide' with a map of the United States; 'Talking About SHRP2' with a quote from the South Carolina State Office; 'Tools You Can Use' with a list of resources; and 'Resources' with a video player. At the bottom, there is a 'Solutions by Focus Area' section with four categories: Safety, Renewal, Reliability, and Capacity, each with a brief description.

Contact Information

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