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***TIG, AASHTO Annual
Meeting***



U.S. Department of Transportation
Federal Highway Administration



SHRP2 On the Move

- Overview of Current SHRP2 Status and Plan
- FHWA/AASHTO Implementation Assistance Program
- Summary of Renewal Strategy
- TIG Involvement



SHRP2 in Action

108 projects underway in 34 states with more to start following today's announcement of Round 2 incentives

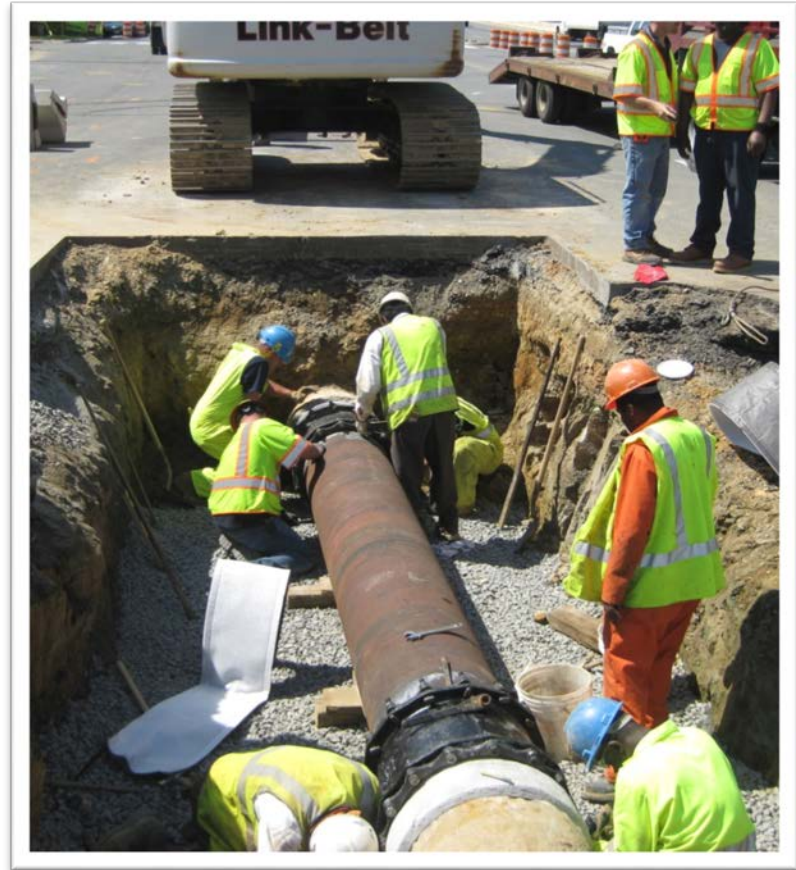


Photos from
Projects
ongoing in
California,
Tennessee, and
Pennsylvania




Prioritizing States' Needs

- AASHTO's role is focused on identifying which products meet the states' practical needs
- We are relying on members and committees to define how implementation can be successful
- FHWA is our partner in this effort.



Revised SHRP2 Implementation Plan 2012 - 2015



- Original plan updated to reflect new funding provided by federal legislation and state contributions
- New plan includes highest priority products
- Products by year:
 - 2012 = 7 new products
 - 2013 = 11 new products
 - 2014 = 14 new products
 - 2015 = 14 new products
- 2014 will include the implementation of Safety Strategies
- “Starts” – dates represent the year implementation planning begins.

2013: Advancing More Solutions



- AASHTO and FHWA internal implementation activities
 - FHWA focus area coordinators
 - FHWA product technical leads
 - AASHTO also aligning staff resources
 - Consultant technical specialists to assist DOTs
- Additional Implementation Planning Workshops
 - Six since January
 - Four more planned through December
- Two rounds of Implementation Assistance on 9 products
- AASHTO Meetings and conferences

Go to Sunday's Session!

2014: Full Steam Ahead

- Rounds 3 and 4 of FHWA/AASHTO Implementation Assistance in January and June 2014 – 14 new products
- Continued technical and financial assistance for Rounds 1 and 2 throughout the year
- 10 more Implementation Planning Workshops planned for new SHRP2 Solutions

Tentative Schedule for Round 3

- Product webinars: December 2013
- Round 3 Applications Begin: January 17, 2014
- Round 3 Applications Close: February 14, 2014
- Announcement of Selections: Late March 2014

Round 1 – Renewal Products

- **Next-Generation Project Management Tools (2 products)**



- Managing Risk in Rapid Construction Projects (R09)
- Managing Complex Projects (R10)

- **Innovative Bridge Designs for Rapid Renewal (R04)**

- **Preservation on High-Volume Roadways (R26)**

SHRP2 Renewal in Action



Managing Risk (R09)

- Proof of Concept Pilots
 - FL, GA - Workshop prep sessions currently being conducted. Onsite workshop scheduled for October 22-24

Managing Complex Projects (R10)

- Additional Developmental Work
 - Ongoing ; includes refinements to guide and development of strategies for implementation
- Lead Adopter Incentives
 - R10 training session provided to MassDOT

More Renewal Products

Preservation on High-Volume Roadways (R26)

- Lead Adopter Incentives
 - PA DOT has completed all three of their pavement preservation projects and are now conducting assessments
 - WI and GA DOTs plan on executing some of their pavement preservation projects this fall. The remainder of the participating agencies are not scheduled to execute their pavement preservation projects until starting in CY 2014.

Innovative Bridge Designs (R04)

- Lead Adopter Incentives
 - DOTs in California, Kentucky, Maine, Missouri, Rhode Island, and Wisconsin are now engaged

Round 2 – All Products



Capacity

- **Expedited Project Delivery (C19)**



Renewal

- **Performance Specs for Rapid Renewal (R07)**
- **Managing Risk in Rapid Construction Projects (R09)**
- **Railroad Agreements (R16)**

Received 46 applications from 23 states and 3 MPOs

Announcement TODAY!

2014 - Rounds 3 & 4



Capacity

- Freight Modeling and Data (C20)
- T-PICS/Economic Analysis Tools (C03/C11)



Renewal

- GeoTech Tools (R02)
- Precast Concrete Pavements (R05)
- Identifying and Managing Utility Conflicts (R15B)
- Using Existing Pavements in Place (R23)
- 3D Utility Location Data Technologies (R01A)
- Nondestructive Testing Technologies: Bridge Decks (R06A) and Tunnel Linings (R06G)
- Quality Control Technologies (R06C)
- Bridges for 100 Year Life (R19A)
- Composite Pavement Systems (R21)



Reliability

- Reliability Analysis Tools (L02/L05/L07/L08)



Safety

- Implementation Strategies TBD

Implementation Planning Workshops

- **Implementation Planning Workshops completed:**
 - R04, R05, R07, R09/R10, R15B, R16, R23, R26
- **Implementation Planning Workshops scheduled:**
 - R02 November 21 and 22
 - R06 A & G December 3 and 4
 - R19A December 4 and 5
 - R01A February 2014
 - R06C March 2014
 - R21 April 2014

Renewal Plan 2012 - 2015

Product/Year		Product Type						IPW	Implementation Assistance						Technical Leads		
		Pavement	Structures	Project Management	NDT	Utilities / Railroads	IT Product		FHWA (Primary POC shown in bold)						AASHTO		
									Mar 2013	Aug 2013	Jan 2014	Jun 2014	Jan 2015*	Jun 2015*		Program Office	Resource Center
2012 Products																	
R04	Innovative Bridge Designs for Rapid Renewal		X					Complete	X						-	Shay Burrows	Kelley Rehm
R09	Managing Risk in Rapid Renewal Projects	~	~	X			X	Complete	X	X		X			LaToya Johnson	-	Jason Richins
R10	Innovative Strategies for Managing Complex Projects	~	~	X				Complete	X			X			LaToya Johnson	-	Jason Richins
R26	Preservation on High-Volume Roadways	X						Complete	X						Tom Van	Steve Cooper	Jameelah Hayes Jason Richins
2013 Products																	
R03	Worker Fatigue Risk Management			X				N/A	-	-	-	-	-	-	Bryan Cawley	-	Jason Richins
R05	Precast Concrete Pavement Technology	X						Complete			X				Sam Tyson	Steve Cooper	Jameelah Hayes
R06A	Nondestructive Testing Technologies for Concrete Bridge Decks		X		X		X	Dec 3-4 2013				X			-	Shay Burrows	Greta Smith Evan Rothblatt
R06G	Mapping Defects In or Behind Tunnel Linings		X		X		X	Dec 3-4 2013				X			-	Shay Burrows	Kelley Rehm
R07	Performance Specifications for Rapid Renewal	~	~	X				Complete		X					Jennifer Balis Lee Gallivan	-	Greta Smith Evan Rothblatt
R15B	Identifying and Managing Utility Conflicts					X	X	Complete			X				Amanda Rutherford	-	Greta Smith
R16	Railroad-DOT Mitigation Strategies					X	X	Complete		X					Joe Taylor	-	Greta Smith Chris Smith
R23	Using Existing Pavements in-Place and Achieving Long Life	X					X	Complete			X				-	Steve Mueller Steve Cooper	Greta Smith
2014 Products																	
R01A	Technologies to Store, Retrieve and Use 3D Utility Location Data					X	X	Feb 11-12 2014				X			Amanda Rutherford	-	Greta Smith
R02	GeoTech Tools	~	~				X	Nov 21-22 2013			X				Silas Nichols	-	Greta Smith
R06C	Rapid Technologies for Quality Control Data on Asphalt Pavements	X			X			Feb 25-26 2014				X			Lee Gallivan (IR) Tom Yu (GPR)	Steve Cooper	Greta Smith Evan Rothblatt
R06E	Tools to Detect PCC Pavement Smoothness Irregularities During Construction	X			X			N/A	-	-	-	-	-	-	Gary Crawford	Steve Cooper	Greta Smith
R19A	Service Life Design Guide for Bridges		X					Dec 4-5 2013				X			Anwar Ahmad	-	Kelley Rehm
R21	Composite Pavement Systems	X						Feb 27-28 2014				X			Tom Yu	Steve Cooper	Jameelah Hayes
2015 Products																	
R01	Encouraging Innovation in Locating Utilities					X	X	Summer 2014					X		Amanda Rutherford	-	Greta Smith
R01B	Utility Locating Technologies					X		Summer 2014					X		Amanda Rutherford	-	Greta Smith
R01C	Innovation in Location of Deep Utilities					X		Spring 2015						X	Amanda Rutherford	-	Greta Smith
R06B	Techniques to Fingerprint Construction Materials	X			X		X	Spring 2015						X	Jack Youcheff	Steve Cooper	Greta Smith Evan Rothblatt
R06D	Advanced Methods to Identify Pavement Delamination	X			X			Fall 2014					X		-	Steve Cooper	Greta Smith
R19B	Bridges Beyond 100 Years - Innovative Systems		X					Fall 2014					X		Lubin Gao	-	Kelley Rehm

11/10/2013

*IAP Schedule subject to change for January 2015 and June 2015

Your Role: Discussion



Looking at 2014 and Beyond

- As a State DOT:
 - What are your DOT priorities?
 - How can these SHRP2 Solutions help you address these priorities?
 - What's your capacity to take on these products?
- As TIG:
 - What role do you wish to play?
 - How can FHWA/AASHTO best benefit from your expertise and guidance?

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



Questions?

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For more SHRP2 information:
www.fhwa.dot.gov/goSHRP2
<http://SHRP2.transportation.org>