



Implementation Update

SHRP2 RAC Meeting – July, 2013

Michael Trentacoste, FHWA Associate Administrator for
Research, Development and Technology
Pam Hutton, AASHTO SHRP2 Implementation Manager



U.S. Department of Transportation
Federal Highway Administration

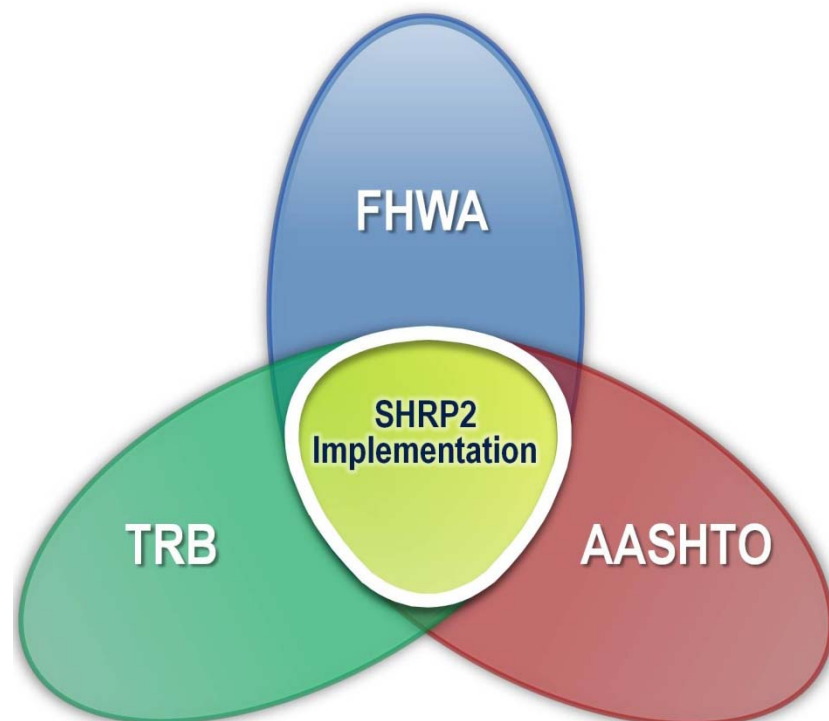


What we'll cover

- Moving into implementation
- AASHTO Implementation Task Force (ITF) Meeting Results
- Revised SHRP2 Implementation Plan and Budget
- Implementation Assistance Program – Rounds 1 and 2
- Communication and Outreach

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



Moving into Implementation

- As products moved from research to readiness, so did the leadership of the program
- TRB remains in lead research role
- AASHTO and FHWA partnership key in implementation
- FHWA and AASHTO internal implementation activities
 - Staff and leadership changes to position SHRP2 implementation more effectively in the agencies
 - Dedicated personnel for SHRP2
 - FHWA is bringing on technical specialists in each focus area
 - Internal communication and engagement

Implementing SHRP2 Solutions

Moving Forward

- Over 60 high-priority products introduced over the next several years
- Users run the gamut of the transportation industry
- Selected products integrated into current transportation practices



SHRP2 “Top Tier” Committees

	AASHTO’s Implementation Task Force (ITF)	Oversight Committee	Implementation Advisory Committee (IAC)
Membership	State DOT Leadership and AASHTO Committee members	State DOT Executives, Transportation and Research Leaders	Same as Oversight Committee
Scope	Identify and prioritize State DOT needs for SHRP2 implementation	All TRB SHRP2 work	SHRP2 Implementation Activities
Authority	Develop AASHTO’s recommendation for a high-priority and all- encompassing implementation plan	Decision-making about programming, budget, and contracts	Advise about implementation strategies, administrative oversight, product grouping, and delivery
Audience	Primarily AASHTO and FHWA	TRB Staff and Technical Committees	Primarily FHWA and AASHTO

AASHTO's Implementation Task Force

- 2012 Task Force came together to provide state perspectives on implementable SHRP2 research
- A “bridge year” moving from research into early implementation
- Many unknowns then -
 - Would there would be more than \$81M for implementation?
 - What would implementation cost per product?
 - How many products could be implemented?
 - How would support to states work?

Expanding the Program

2013: It was time to revisit the plan

- **More money:** Additional \$87 million available for implementation
- **More products:** Approximately 30 additional products
- **More experience:** Better understanding of implementation costs and processes

This Year's ITF – More Advanced Outreach

- 20+ surveys conducted, with better questions, more information, and wider reach throughout all AASHTO committees and subcommittees
- 11 meetings of Focus Area teams
- Engagement of FHWA and TRB
- Comprehensive draft “straw” recommendation for ITF consideration
- ITF Meeting, March 28-29
 - 28 State DOTs represented



Joint Recommendations to the Implementation Adv Comm

- ITF reassessed the initial 3-year plan and prioritized all additional products. The ITF priorities were very close to FHWA's priorities.
- Post ITF, FHWA and AASHTO collaborated to finalize the revised implementation plan:
 - All original 2012, 2013, 2014 products remain the same, with some budget adjustments, approx \$ 8.6M
 - Additional products: Added 30 products and approx. \$20.5M additional budget for those products
 - Safety budget: \$33.3M
 - Programmatic expenses: \$11.9M
 - Contingencies: \$14M
- Additions to ITF recommendations

SHRP2 Implementation Funding

	FY2011	FY2012	FY2013	FY2014
SAFETEA-LU Implemenation Funding	\$48,584,677	\$34,191,687		
MAP-21 SP&R Funds from States			\$29,500,000	\$29,500,000
MAP-21 TDIP Funding from FHWA			\$8,000,000	\$8,000,000
SAFETEA-LU Funding under MAP-21 provisions		\$11,349,880		
Subtotals	\$48,584,677	\$45,541,567	\$37,500,000	\$37,500,000
Total SHRP2 Funding Available	\$169,126,244			

SHRP2 Implementation Assistance Program



Assistance Opportunities

- Available to help State DOTs, MPOs, local agencies, and other interested organizations to deploy SHRP2 Solutions
- Round 1 launched in February; and
- Round 2 coming in August

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

Implementation Assistance Round 1

- Recipients: 34 states, DC, 11 regional/MPOs, 1 tribal entity
- 108 total projects undertaken through the program –
 - R04 - Innovative Bridge Designs for Rapid Renewal: 9 projects
 - R09 - Managing Risk in Rapid Renewal Projects: 2 projects
 - R10 - Innovative Strategies for Managing Complex Projects: 5 projects
 - R26 - Preservation on High-Volume Roadways: 51 projects
 - C06 - Implementing Eco-Logical: 14 projects
 - L01/06 - Organizing for Reliability Tools: 27 projects
- Levels of assistance -
 - Proof of Concept Pilots – 2
 - Lead Adopter – 74
 - User Incentives – 24
 - Limited technical assistance being made available to 8 states

Products Ready for Round 2 Implementation



Capacity

- Expediting Project Delivery (C19)



Renewal

- Performance Specifications for Rapid Renewal (R07)
- Managing Risk in Rapid Renewal Projects (R09)
- Railroad-DOT Mitigation Strategies (R16)

Round 2 Information & Timeline

- Implementation Assistance Product Webinars held in July
 - July 18: Railroad-DOT Mitigation Strategies (R16)
 - July 23: Expediting Project Delivery (C19)
 - July 24: Performance Specifications for Rapid Renewal (R07)
 - July 26: Managing Risk in Rapid Renewal Projects (R09)
- Implementation Assistant Timeline
 - August 2 : Application period opens
 - September 6: Application period closes
 - Mid-October: Awards announced
- More information at www.fhwa.dot.gov/goshrp2

Other Communication and Outreach Efforts

- **SHRP2 Tuesdays - TRB**
 - Bimonthly in-depth technical product specific webinars
 - Professional development hours/credits
 - Timed with implementation opportunities
- **State visits – TRB and AASHTO**
 - Focus on research and implementation activities
 - Provides opportunities for DOT staff to have one-on-one Q & A
- **AASHTO committee meetings**
 - SHRP2 overview
 - Products of interest to committee/subcommittee
- **AASHTO Summer Regional meetings (i.e. WASHTO, SASHTO)**

SHRP2 on the Web

- **SHRP2 @TRB**
www.TRB.org/SHRP2
 - Comprehensive information about research phase
- **SHRP2 @AASHTO**
<http://SHRP2.transportation.org>
 - SHRP2 product factsheets and collateral
 - Implementation phase information for AASHTO members
- **goSHRP2 (coming soon)**
 - Information clearinghouse for SHRP2 implementation phase
 - Links to other SHRP2 websites
 - Evolving information as products near implementation to build excitement

The screenshot shows the SHRP2 SOLUTIONS website homepage. The header features the logo and navigation links for Home, About, Solutions, Your SHRP2, Resources, News & Events, Get Involved, and FAQ. A search bar is also present. The main banner area contains the text "Save lives. Save money. Save time." and a description of the SHRP2 program. Below the banner, there are several content blocks: "Your SHRP2" with a list of stakeholders, "Solution Spotlight" featuring "Implementing Eco-Logics", "Get Involved" with a call to action, "SHRP2 Nationwide" with a map, "Talking About SHRP2" with a quote, "Tools You Can Use" with a list of tools, and "Resources" with a video player. At the bottom, there is a "Solutions by Focus Area" section with categories like Safety, Renewal, Reliability, and Capacity.

Questions?

General email

goSHRP2@dot.gov

Implementation Assistance Program

www.fhwa.dot.gov/goshrp2

Michael Trentacoste

michael.trentacoste@dot.gov

Pamela Hutton

phutton@ashto.org

