SHRP 2 IMPLEMENTATION SCOM

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Sub Committee on Materials
Burlington Vermont
SHRP 2: Research to Implementation

Original $ from Congress to FHWA to SHRP2 research
Now from Congress to FHWA for implementation = $4M/month
Future from Congress to FHWA
Transitioning:

- From Research to Implementation
- From Researchers to Users
- From Research world to Real World

**AASHTO FOCUS**

- Programs to help States implement SHRP2 Research
- Have what FHWA sees as priorities, need what states see as implementable.
Renewal – Taking care of what we have – renewing the system.

Reliability – Making the transportation system more efficient, more reliable.

Capacity – Helping with speeding the process of building Capacity- improved Project Development, and Project Delivery.

Safety – Improving safety, saving lives.

SOM interests are primarily in Renewal
Ongoing
- Demo Projects
- Gathering Implementation data
- Identifying Champions

Communications Plan

Near Term Future
- Survey States
- AASHTO contact groups
  - Priorities
  - Committee implementation plans
AASHTO SHRP 2 Programs

Organizational Development
  Program Management
  Experts
  Peers
  Change Management
  Outreach
  IT support
  TIG Support

Long Term Future
  IT Business evaluations
  Centers for Excellence
  Publications, guidance, specs
Implementation of Products

- **Product A**
  - *Short Term Paybacks*

- **Product B**
  - *Long Term Paybacks*
The objective of this project was to provide guidance for more effectively matching the pavement condition and other considerations with suitable treatments for high-traffic-volume roadways.
Pending Renewal Projects of interest

- R05 - Modular Pavement Technology
- R06(A) - Nondestructive Testing to Identify Concrete Bridge Deck Deterioration
- R06(B) - Evaluating Applications of Field Spectroscopy Devices to Fingerprint Commonly Used Construction Materials
- R06(C) - Using Both Infrared and High-Speed Ground Penetrating Radar for Uniformity Measurements on New HMA Layers
- R06(D) - Nondestructive Testing to Identify Delaminations between HMA Layers
- R06(E) - Real-Time Smoothness Measurements on Portland Cement Concrete Pavements During Construction
- R06(F) - Development of Continuous Deflection Device
- R06(G) - High-Speed Nondestructive Testing Methods for Mapping Voids, Debonding, Delaminations, Moisture, and Other Defects Behind or Within Tunnel Linings
- R07 - Performance Specifications for Rapid Renewal
- R21 - Composite Pavement Systems
- R23 - Using Existing Pavement In Place
**Implementation**

**TRB**
- Technical assistance,
- Develop training materials, speakers bureau, webinars, published reports, and workshops

**NHTSA**
- Naturalistic driving study

**AASHTO**
- State DOT’s RFP’s, TIG (lead states marketing), Committee’s standards & specification changes, TSP programs, Centers for excellence, Industry outreach, Demonstration projects, Consulting services, Marketing & Communication plans

**FHWA**
- Demonstration projects, consulting services, EDC, NHI training, purchase equipment, showcases, marketing & communication plans, LTAP & TTAP, industry outreach, local governments & MPO’s

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**AASHTO**
The Voice of Transportation
Successful Implementation

- AASHTO
- Implementation Steering Group
- FHWA
- Implementation OC
- NHTSA
- TRB
- SHRP 2 Product Implementation