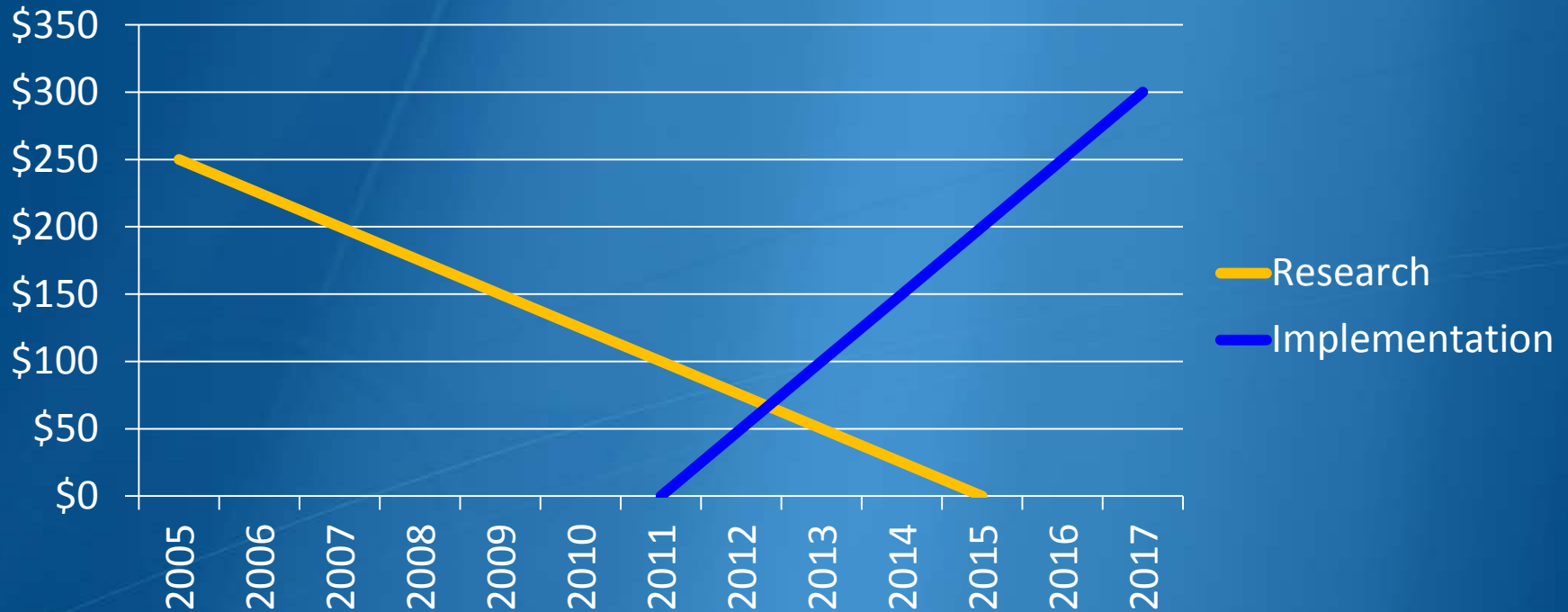


SHRP 2 IMPLEMENTATION SCOM

Greta Smith
August, 2011
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.

SHRP2 Focus Areas

- 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

AASHTO SHRP 2 Programs

- Ongoing
 - Demo Projects
 - Gathering Implementation data
 - Identifying Champions
- Communications Plan
- Near Term Future
 - Survey States
 - AASHTO contact groups
 - Priorities
 - Committee implementation plans

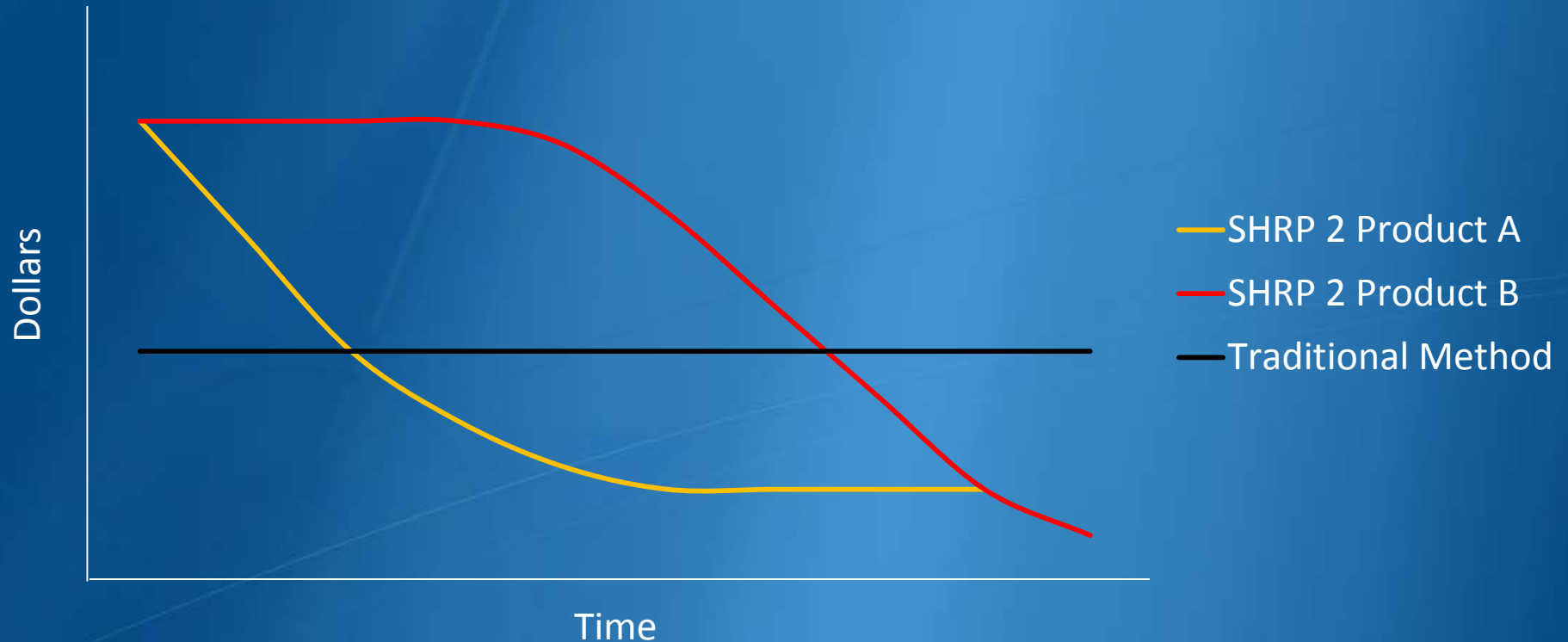
AASHTO SHRP 2 Programs

- 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

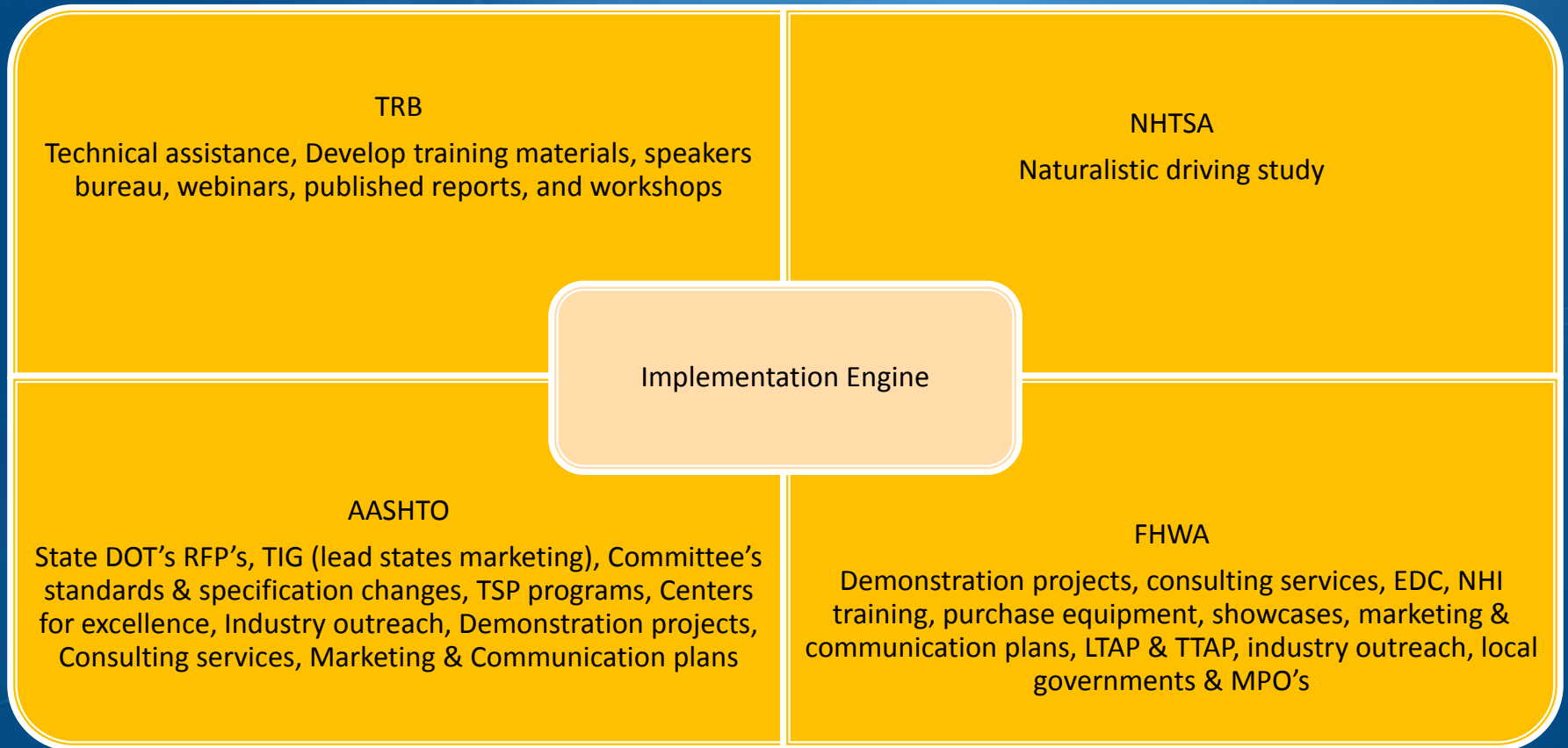
Completed Renewal Projects

- R04(A)- Innovative Bridge Designs for Rapid Renewal (Bridge Demonstration Project)
- R06 - A Plan for Developing High Speed, Nondestructive Testing Procedures for both Design Evaluation and Construction Inspection- publication available
- R15 - Strategies for Integrating Utility and Transportation Agency Priorities in Highway Renewal Projects
- R16 - Railroad-DOT Institutional Mitigation Strategies
- R26 - Preservation Approaches for High-Traffic-Volume Roadways.
 - 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



Successful Implementation

