



# Using SHRP2 Technologies to Achieve Success

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**WASHTO**



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Federal Highway Administration



# Today's Agenda



- **SHRP2 Overview**
- Arizona's Approach to Organizing for Reliability: **Jennifer Toth**
- CalTrans' Approach to Innovative Bridge Designs: **Barton Newton**
- Idaho's Approach to Implementing Ecological: **Erika Bowen**
- Q & A

# What Can SHRP2 Solutions Do For Us?

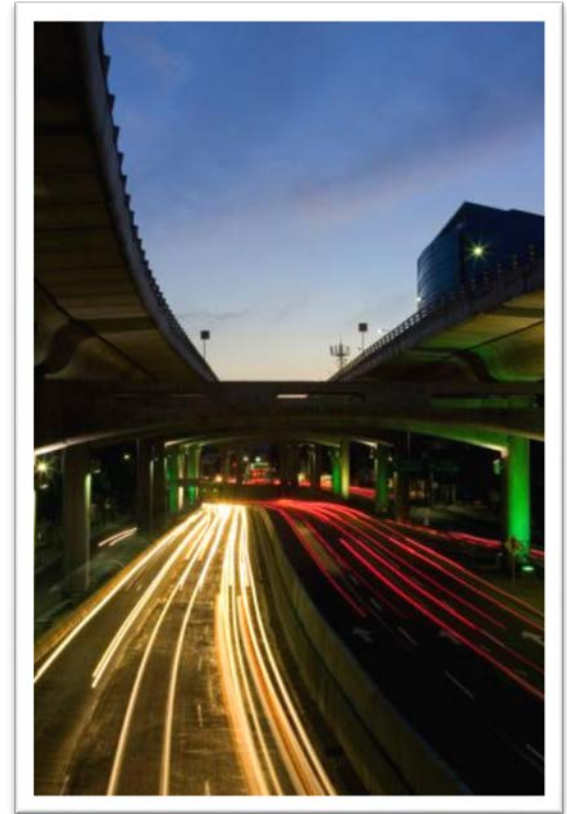
- **Save time and money** by using model standard designs to accelerate bridge construction
- **Expedite** your environmental reviews and permitting
- **Improve** travel-time reliability for your road users through targeted operations
- Proactively assess and **respond to risk**
- **Extend** pavement life
- **Manage** complex projects – of all sizes – with next generation strategies



# Implementing SHRP2 Solutions

## Moving Forward

- Over 65 high-priority products introduced over the next several years
- Users run the gamut of the transportation industry
- Selected products integrated into current transportation practices



# Focus Areas



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



**Renewal:** maintaining and repairing the deteriorating infrastructure using already-available resources



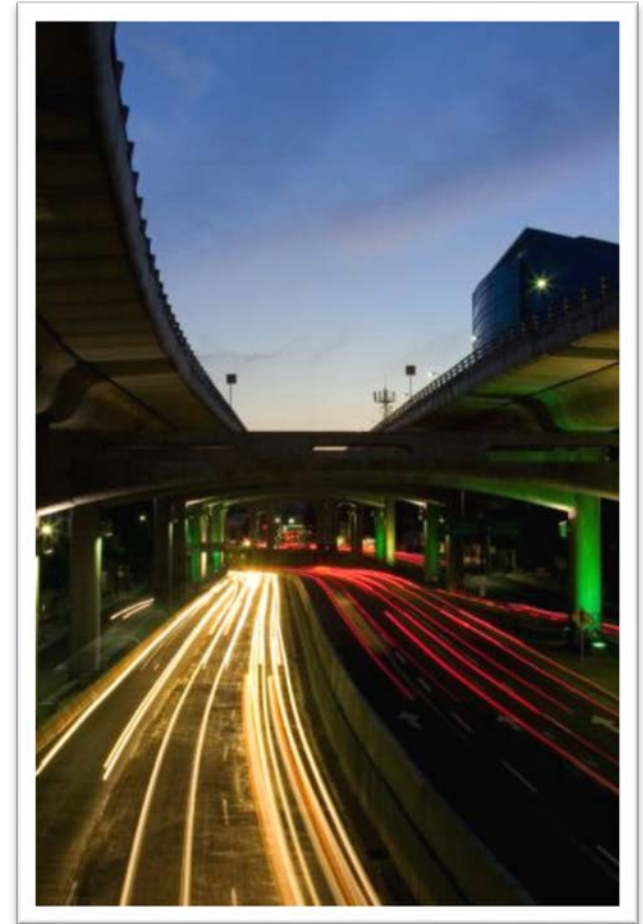
**Reliability:** managing non-recurring events to create more predictable travel times



**Capacity:** building a highway system that creates minimum disruption and meets the environmental, and economic needs of the community

# 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



# SHRP2 Implementation Assistance Program



## FHWA Assistance Opportunities

- Designed to help State DOTs, MPOs, local agencies, and other interested organizations deploy SHRP2 Solutions
- Round 1 announced in May
- Round 2 applications just opened on August 2
- The application period ends September 6, with announcements in October

# 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:
  - Innovative Bridge Designs for Rapid Renewal (R04): 9 projects
  - Managing Risk in Rapid Renewal Projects (R09): 2 projects
  - Innovative Strategies for Managing Complex Projects (R10): 5 projects
  - Preservation on High-Volume Roadways (R26): 51 projects
  - Implementing Eco-Logical (C06): 14 projects
  - Organizing for Reliability Tools (L01/06): 27 projects

# CalTrans' SHRP2 Solutions

- Implementing Eco-Logical (C06)
- Organizing for Reliability Tools (L01/06)
- Innovative Bridge Designs for Rapid Renewal (R04)



# Round 2 Information & Timeline

- Four products in Round 2
  - Railroad-DOT Mitigation Strategies (R16)
  - Expediting Project Delivery (C19)
  - Performance Specifications for Rapid Renewal (R07)
  - Managing Risk in Rapid Renewal Projects (R09)
- Implementation assistance product webinars at <http://www.fhwa.dot.gov/goshrp2>
- Implementation assistance timeline
  - August 2      Application period opens
  - September 6    Application period closes
  - Mid-October    Awards announced

# What's Your Role?

- **Apply for the next round** of implementation assistance
- **Become a champion** or lead state for the products that fit your program
- **Identify key technical stakeholders and advocates** within your states
- **Carry the message back** to your colleagues and peers
- **Provide panel members** for upcoming Implementation Planning Workshops
- **Participate in technical transfer opportunities** to help implement products



# Questions?

## Visit the SHRP2 Booth!

FHWA Implementation Assistance Program

<http://www.fhwa.dot.gov/goshrp2>

AASHTO SHRP2 information:

<http://SHRP2.transportation.org>

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