

The second Strategic Highway Research Program (SHRP2) is delivering innovative solutions that can help the pavement and materials community be more responsive to the needs of State and local transportation agencies.



Products emerging from the program, called SHRP2 Solutions, include new pavement systems and testing methods that can sharply reduce materials costs. Products offer:

- Guidance for preserving and rehabilitating projects
- Model performance specifications for accelerated reconstruction projects
- Model design procedures for new composite pavement systems
- Nondestructive testing technologies

Visit www.fhwa.dot.gov/GoSHRP2 to learn more about the following SHRP2 Solutions:

Guidelines for the Preservation of High-Traffic-Volume Roadways (R26): Innovations that make pavements last longer on the Nation's busiest highways and interstates.

Pavement Renewal Solutions (R23): Design and construction guidelines for long-life pavements.

New Composite Pavement Systems (R21): Strategies for using new composite pavement systems.

Innovative Bridge Designs for Rapid Renewal (R04): Standard designs for bridges that can be built more quickly and efficiently.

Performance Specifications for Rapid Renewal (R07): Specifications to reduce claims and inspection costs and accelerate construction of aging infrastructure.

Precast Concrete Pavement (R05): Options for using precast concrete.

GeoTechTools (R02): Geotechnical solutions for soil improvement, rapid embankment construction, and stabilization of the pavement working platform.

Technologies to Enhance Quality Control on Asphalt Pavements (R06C): Using infrared (IR) imaging and ground penetrating radar (GPR) for uniformity measurements on new hot-mix asphalt pavements.

Tools to Improve PCC Pavement Smoothness During Construction (R06E): Proven technologies that can identify surface irregularities that impact pavement smoothness in real-time while concrete is still wet.

Nondestructive Testing for Concrete Bridge Decks (R06A): Better, faster methods for determining concrete bridge deck conditions.

Advanced Methods to Identify Pavement Delamination (R06D): Guidelines for using new technologies to detect subsurface delamination in asphalt pavement.

Techniques to Fingerprint Construction Materials (R06B): Materials verification without sampling delays.

Implementation Assistance Program

Funding and technical assistance opportunities are offered twice yearly for departments of transportation, metropolitan planning organizations, and others interested in using **SHRP2 Solutions**. There are three levels of implementation assistance:

Proof of Concept Pilot – An opportunity to help evaluate the readiness of a particular product.

Lead Adopter Incentive – Available to help offset costs associated with implementation of a product and related risk mitigation.

User Incentive – Available to accomplish a variety of implementation activities. Examples include conducting internal assessments, implementing system process changes, and organizing peer exchanges.

To learn more about the program and the SHRP2 Solutions currently available for implementation assistance, visit <http://www.fhwa.dot.gov/GoSHRP2/GetInvolved/ImplementationAssistance> or email GoSHRP2@dot.gov.

SHRP2 Solutions Are Tools for the Road Ahead

By implementing SHRP2 Solutions, members of the transportation community have tools to address some of the most pressing State and local highway challenges, including curbing highway deaths and injuries; maintaining and replacing aging infrastructure; and reducing congestion.



About SHRP2 Implementation

The second Strategic Highway Research Program is a national partnership of key transportation organizations: the Federal Highway Administration, the American Association of State Highway and Transportation Officials, and the Transportation Research Board. Together, these partners conduct research and deploy products that will help the transportation community enhance the productivity, boost the efficiency, increase the safety, and improve the reliability of the Nation's highway system.

IMPLEMENTING SHRP2 SOLUTIONS

U.S. Department of Transportation | Federal Highway Administration
American Association of State Highway and Transportation Officials • Transportation Research Board