Implementing the Second Strategic Highway Research Program

Meeting 21st-Century Demands

The Nation's highway system needs innovative techniques and new ways of thinking that will help the transportation community save lives, money, and time. The second Strategic Highway Research Program (SHRP2) is answering this call with SHRP2 Solutions, products that have emerged from objective, credible research and are now ready for implementation. The Federal Highway Administration, the American Association of State Highway and Transportation Officials, and the Transportation Research Board continue their partnership, deploying SHRP2 Solutions that will strengthen the highway network so it can serve the country through the 21st century.

The Benefits

SHRP2 Solutions have the potential to change how highway agencies and other stakeholders plan for, design, build, and operate the Nation's highway system. Benefits include:

- Cost-effective bridge designs for faster, longer-lasting replacement
- Pavement preservation techniques for high-traffic roadways
- Methods that improve operations and extend highway capacity
- Innovative strategies for managing large, complex projects
- Planning techniques for conserving green spaces and protecting the environment
- Training for fast, multi-agency incident response

Save Lives

SHRP2 Solutions make our roads safer by helping to reduce worker and driver exposure to dangerous construction zones, incident scenes, and congestion.

Save Money

SHRP2 Solutions decrease construction and maintenance costs with innovations that lead to longer-lasting infrastructure, provide for more efficient project planning, and speed project delivery.

Save Time

SHRP2 Solutions speed project delivery, decrease congestion on the highway system, and make travel times more reliable, saving everyone time on the Nation's roadways.

Photo credit: Getty Images

For more information, visit: **www.fhwa.dot.gov/goSHRP2**

Photos from left to right: Workers position a slab of precast concrete pavement; First responders study traffic incident scenarios as part of a training pilot held in Georgia; An accelerated bridge construction project over Keg Creek in Iowa.

Photo credit, left to right: Minnesota DOT; SAIC; HNTB

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. SHRP2 Solutions will soon be available that provide new bridges in weeks, not months; more miles of road maintained with less money; and improved training for traffic incident managers that reduces road congestion and increases safety.

These innovations have been developed with a customer-oriented view of highway needs by identifying ways that people can work together more efficiently, by coordinating the efforts of a wide range of stakeholders, and by capitalizing on advances in diverse fields such as bridge construction, nondestructive testing techniques, data analysis, and collaborative decision making.

Now, SHRP2 Solutions can help state departments of transportation and other stakeholders save lives, save money, and save time as they build and maintain the country's highway system.

Sample Products

- Managing Risk in Rapid Renewal Projects
- Innovative Strategies for Managing Complex Projects
- Innovative Bridge Designs for Rapid Renewal
- Preservation on High-Volume Roadways
- Implementing *Eco-Logical*
- Organizing for Reliability Tools

Learn More

- Visit **www.fhwa.dot.gov/goSHRP2**
- Ask questions and sign up for news alerts at **www.fhwa.dot.gov/goSHRP2/GetInvolved/Contact**

SHRP2 SOLUTIONS

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

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