

New pavement systems and testing methods can sharply reduce material costs for state DOTs and local transportation agencies. SHRP2 Solutions offer:

- Guidance for reducing the cost of materials in reconstruction projects
- Model performance specifications for accelerated reconstruction projects
- Model design procedures for new composite pavement systems
- Tool box of nondestructive testing technologies

GeoTech Tools (R02)

GeoTechTools.org helps select site-specific solutions. Easy identification of the best technologies for solving geotechnical issues.

Innovative Bridge Designs for Rapid Renewal (R04)

Tool kits and standard designs for prefabricated bridges that can be built more quickly and efficiently.

Precast Concrete Pavement Technology (R05)

Tools to match options to projects; specifications for design, fabrication, and installation of precast concrete pavement systems.

Nondestructive Testing for Concrete Bridge Decks (R06A)

Better, faster non-destructive testing methods to detect deterioration of concrete bridge decks while minimizing road closures and traffic delays.

Rapid Technologies to Enhance Quality Control on Asphalt Pavements (R06C)

Non-destructive techniques for detecting defect areas in asphalt pavements during construction.

Tools to Improve PCC Pavement Surface Smoothness During Construction (R06E)

Technologies to identify surface irregularities that can impact concrete pavement smoothness.

Non-destructive Testing for Tunnel Linings (R06G)

Non-destructive testing options to map defects of tunnel linings high-volume traffic conditions.

Performance Specifications for Rapid Renewal (R07)

Specifications to reduce claims and inspection costs and accelerate construction of aging infrastructure.

Identifying and Managing Utility Conflicts (R15B)

New planning techniques to reduce conflicts and promote more coordination between utilities and transportation agencies.

New Composite Pavement Systems (R21)

Practical recommendations for construction specifications and techniques, life-cycle costs, quality management procedures and training materials.

Pavement Renewal Solutions (R23)

Proven models and procedures to design and construct low-cost, long-life composite pavement systems.

Guidelines for the Preservation of High-Traffic-Volume Roadways (R26)

Guidelines for selecting pavements that will last longer on the nation's busiest highways and interstates.

Coming in 2015...

Techniques to Fingerprint Construction Materials (R06B)

Portable quality control technology to verify the unique fingerprint of common construction materials.

Advanced Methods to Identify Pavement Delamination (R06D)

Tools to detect subsurface delamination in asphalt pavements.

To learn more about the SHRP2 products listed above visit the SHRP2 website at:
shrp2.transportation.org/Pages/Pavement-and-Materials.aspx