

## Implementation Assistance

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### ➔ Available Applications

GeoTechTools

Precast Concrete Pavement

Identifying and Managing  
Utility Conflicts

**Pavement Renewal  
Solutions**

Freight Demand Modeling  
and Data Improvement

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## Implementation Q&As

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## Leadership Endorsement

## Contact

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(720) 963-3213



# Implementation Assistance Application for Pavement Renewal Solutions (R23)

[Read the  
Product  
Page](#)

## Background

As our nation's infrastructure ages, many highways are now in need of renewal. Major renewal challenges include how to renew pavement assets quickly and cost-effectively, how to minimize the impacts on road users, and how to lower the costs of owning these assets. Pavement Renewal Solutions (R23) helps practitioners find answers to these challenges with an easy to use web-based scoping tool, recommended construction guidelines, best practices manuals, and specifications that can be adopted by user agencies to achieve long life.

Technical assistance will be provided to review current specifications, policies, and pavement design processes used by the DOT with the goal of implementing long-life pavement designs that incorporate existing pavements into the design of targeted projects. Assistance should be used to:

- Build interest and champions to spearhead the institutionalization of long-life pavement designs.
- Develop additional case studies to demonstrate economic and environmental benefits of the R23 products.
- Revise State specifications to incorporate long-life pavement designs as a routine practice.
- Host peer exchanges and make presentations to assist other agencies with implementation.

More information about this product can be found at the [SHRP2 Research Website](#)

## Leadership Endorsement

Each application submitted from an organization or agency must have the endorsement of the Chief Executive Officer or designee. The letter of endorsement is submitted as an attachment to the application. Guidance for creating an endorsement letter appears in the application below.

## Priority Ranking

When multiple applications are submitted from an organization or agency, each application must have a designated priority ranking. Please rank all applications in one grouping including all product submissions from your agency. For purposes of ranking do not separate your organization's applications into categories for individual products, or levels of incentives such as Lead Adopter or User Incentive.

For example, your agency submits five applications; one application for each product C20, R02, R05, R15B, and R23. Your agency must rank each application in priority order from 1 to 5, with 1 as the highest priority and 5 as the lowest priority. For your convenience, you will find a box at the top of each application to designate the priority ranking. FHWA and AASHTO will take into consideration the agency's rankings when reviewing and evaluating the applications for implementation assistance.

## Available Implementation Assistance

Type of Assistance: Lead Adopter incentives are available to assistance in applying Pavement Renewal Solutions to: build interest in the institutionalization of long-life pavement designs; develop additional case studies to demonstrate economic and environmental benefits of the R23 products; revise State and local agency specifications to incorporate long-life pavement designs as a routine practice; and host peer exchanges and make presentations to assist other agencies with implementation.

User Incentive technical assistance is also available to review current specifications, policies, and pavement design processes used by State and local agencies with the goal of implementing long-life pavement designs that incorporate existing pavements into the design of targeted projects.

Number of Awards: 5 Lead Adopter Incentives  
10 User Incentives

Funding Level: Funding up to \$100,000 per selected Lead Adopter applicant.

Selected User Incentive applicants will receive technical assistance services from the SHRP2 Renewal Team. User Incentive applicants should expect approximately \$20,000 of in-kind assistance, however no direct payments will be provided to recipients of User Incentives.

Who Can Apply: Applications will be accepted from State departments of transportation (DOTs), State Tollway and Thruway Authorities, local agencies, and tribal agencies. Local agencies, and State Tollway and Thruway Authorities must submit applications through their State DOTs.

Application Deadline: February 14, 2014

## Requirements

- Commitment of State DOT leadership to use Pavement Renewal Solutions.
- Identification of one or more specific projects to use Pavement Renewal Solutions.
- Commitment to work closely with the SHRP2 Renewal staff and its contractors in implementing Pavement Renewal Solutions.
- Commitment to build interest and champion the institutionalization of long-life pavement designs.
- A willingness to host peer exchanges and make presentations to assist other agencies (at least two) with implementation.
- A willingness to develop case studies to demonstrate the economic and environmental benefits of the R23 products.
- A willingness to participate in regional or national knowledge sharing events to promote the product.
- A listing of the agency's demonstrated experience, if any, with using existing pavements in-place.
- A listing of the agency's demonstrated experience, if any, with using long-life pavement designs.
- Participation in product evaluation activities such as a qualitative, organizational, before/after assessment conducted by an independent consultant for FHWA.

## Application Form

Follow these steps to apply for implementation assistance:

1. Review all background information
2. Download the [Pavement Renewal Solutions](#) application form; and save it to your computer in order to iterate, revise, and secure approvals before uploading the final application and [Leadership Endorsement Letter](#) to this site
3. Once you have completed the form and secured the required Leadership Endorsement Letter, return to this page and complete the contact information fields below
4. Upload the completed application form and Leadership Endorsement Letter
5. Click submit; you will receive an email confirmation that includes the uploaded endorsement letter and application form

Attach letter of endorsement from CEO or designee

no file selected

[View Leadership Endorsement Guidance](#)

Attach completed application form

no file selected

Download the [Pavement Renewal Solutions](#) application form

Indicate priority ranking for this application

Contact Information

State

Organization

Point of Contact

Title

Business Phone

Business Email

Do you wish to subscribe to receive GoSHRP2 Email Updates?

# SHRP2 Implementation Assistance Program

## Round 3 Application Form

### Pavement Renewal Solutions (R23)

**FHWA Product Lead Name:** Steve Mueller, [Steve.Mueller@dot.gov](mailto:Steve.Mueller@dot.gov), 720-963-3213

This SHRP2 Solution is part of Round 3 of the Implementation Assistance Program. For more information about this product or about applying for implementation assistance, visit the [Implementation Assistance Program page](#) or this product's application page (where this form originated) on the GoSHRP2 website.

#### Questions:

1. Identify the type of assistance your agency is seeking:

Lead Adopter

User Incentive

2. Describe your agency's roadway network and the need for renewing pavement assets on that network.

Provide your response here.

3. Describe your organization's interest in and goals for adopting Pavement Renewal Solutions. (What do you hope to gain? Is there a specific issue you hope to resolve? How do you define success?).

Provide your response here.

4. Which method(s) do you currently use to extend the life of pavement?

Provide your response here.

5. Briefly describe the organization's past efforts to adopt products related to Pavement Renewal Solutions. List and describe your agency's use of in-place materials in renewing roadways. List and describe your agency's use of long-life designs.

Provide your response here.

6. Briefly describe demonstrated executive-level support for adopting Pavement Renewal Solutions.

Provide your response here.

7. Describe your approach to implementing Pavement Renewal Solutions.

Provide your response here.

8. Summarize the activities and resources needed to adopt Pavement Renewal Solutions.

Provide your response here.

9. Describe how your organization will use the implementation assistance to support the project(s).

Provide your response here.

10. Describe any challenges you expect to encounter in implementing this product, and how you plan to address these challenges.

Provide your response here.

As a reminder:

1. Review all background information located on this product's application page.
2. Once you have completed this form and secured the required Leadership Endorsement Letter, return to application page and complete the contact information fields.
3. Upload this form and the Leadership Endorsement Letter to the page.
4. Click submit; you will receive an email confirmation that includes the uploaded endorsement letter and application form.

For more information or to find this product's application page, visit the [Implementation Assistance Program page](#) on the GoSHRP2 website.