

Implementation Assistance

➔ Available Applications

GeoTechTools

Precast Concrete Pavement

Identifying and Managing
Utility Conflicts

Pavement Renewal
Solutions

Freight Demand Modeling
and Data Improvement

Implementation Q&As

Leadership Endorsement

Contact

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Implementation Assistance Application for Precast Concrete Pavement (R05)

[Read the
Product
Page](#)

Background

The rapid repair and rehabilitation of roadways with high traffic volumes is a critical need faced by all highway agencies. This need has been the catalyst for development of longer-lasting precast concrete pavement (PCP) technologies as alternatives to cast-in-place procedures.

Effective use of precast pavement can reduce construction-related congestion, improve work zone safety, and provide longer-lasting performance. The SHRP2 report on PCP technologies emphasizes the ready-to-use status of PCP technologies through documentation of successful case studies, and provides best practices guidance for project selection, PCP system approval, design, fabrication, and construction.

The SHRP2 R05 report summarizes current PCP information and experience; documents the performance of a variety of PCP projects in the U.S.; facilitates improved design and construction procedures; and assembles the guidance needed by highway agencies to implement PCP technologies.

The potential for achieving long-life performance for repair/rehabilitation while reducing the overall duration of lane closures is an attractive goal for all highway agencies.

Implementation assistance will be provided for five Lead Adopter incentives. Selected agencies will receive:

- Up to \$300,000 obligated to the cost of construction for each PCP project
- Routine technology transfer activities including webinars, presentations, and workshops
- Peer-to-peer technical assistance provided as needed to highway agencies for all phases of PCP implementation, from initial interest through project selection, design, fabrication, PCP system approval, construction, and project monitoring

More information can be found in a [SHRP2 Research Report](#).

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 funding is to be applied to the construction of precast concrete pavement (PCP).
Included is technical assistance from FHWA's Office of Asset Management, Pavement, and Construction for PCP project selection, design, fabrication, and construction.
- Number of Awards: 5
- Funding Level: Funding up to \$300,000 per applicant is available to be applied to the construction of a PCP project.
- 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 to construct a PCP project, identify the PCP application (or applications) to be implemented, and identify a potential project (or projects) that could utilize this technology.
- Ability to obligate assistance funding for construction in a timely manner.
- Willingness to adopt the R05 guidance and model specifications (modified as needed to suit the agency format) and share lessons learned with others.
- Willingness to participate in regional or national knowledge-sharing events to promote the product.
- Participation in product evaluation activities including 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 [Precast Concrete Pavement](#) 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

[View Leadership Endorsement Guidance](#)

Attach completed application form

Download the [Precast Concrete Pavement](#) application form

Indicate priority ranking for this application

Contact Information
State

Organization

Point of Contact

Title

Business Phone

Business Email

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SHRP2 Implementation Assistance Program

Round 3 Application Form

Precast Concrete Pavement (R05)

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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. Describe your agency's interest in using Precast Concrete Pavement (PCP). (What do you hope to gain? Is there a specific issue you hope to resolve? How do you define success?)
Provide your response here.
2. Briefly describe your agency's past efforts to adopt solutions related to precast concrete pavement.
Provide your response here.
3. Briefly describe demonstrated executive-level support for using precast concrete pavement.
Provide your response here.
4. Describe the methods you currently use for repair/rehabilitation of concrete pavements.
Provide your response here.
5. Describe the methods you currently use for repair/rehabilitation of high-traffic asphalt intersections.
Provide your response here.
6. Indicate the level of success the agency has experienced with the use of concrete overlays and/or inlays of existing asphalt pavements.
Provide your response here.
7. Describe the level of success the agency has experienced with the use of rapid setting/hardening concrete.
Provide your response here.
8. Describe your approach to implementing precast concrete pavement.

Provide your response here.

9. Summarize the activities and resources needed to adopt precast concrete pavement.

Provide your response here.

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

Provide your response here.

11. 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.