

Implementation Assistance

Implementation Q&As

Leadership Endorsement

Contact

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Implementation Assistance Application for New Composite Pavement Systems (R21)



Background

The New Composite Pavements Systems (R21) product provides detailed performance data on existing composite pavement systems, and offers step-by-step guidance on two types of composite pavements (Hot-Mix Asphalt (HMA) over Portland Cement Concrete (PCC) and PCC over PCC [constructed wet on wet]) using procedures consistent with the Mechanistic-Empirical Pavement Design Guide (MEPDG).

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, if your agency submits four applications; two applications for R06C, one for C03/C11, and one for R10, your agency must rank each application in priority order from 1 to 4, with 1 as the highest priority and 4 as the lowest priority. For your convenience, you will find a box later in this 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. Your priority ranking should be expressed as "X of Y," as in "1 of 4."

Available Implementation Assistance

Type of Assistance: Lead Adopter Incentive

Number of Awards: 5

Funding Level: Funding up to \$300,000 per applicant is available to be applied to the construction of a new composite pavement project. Included is technical assistance from FHWA's Office of Asset Management, Pavement, and Construction and Office of Technical Services.

Who Can Apply: State Departments of Transportation (DOTs), State Tollway and Thruway Authorities, local agencies, and tribal agencies. Local agencies and contractors must work with their State DOTs to submit the application.

Application Deadline: June 27, 2015

Requirements

1. Interest in comparing the use of new composite pavement applications to currently used products.
2. Commitment of agency leadership to use composite pavement on a new project.
3. Identification of one or more specific projects to use composite pavement. Composite pavements are ideal for projects:
 - in which recycling and sustainability are important considerations.
 - where high quality aggregates for PCC are not locally available.
 - where surface long-term durability, low noise, or rapid renewal conditions are desired.
 - that add lanes to existing PCC or HMA/PCC pavements.
 - on old rural, low-volume PCC highways where PCC recycling and local aggregates can provide cost-effective long-life pavements.
 - in urban areas with high congestion and high cost of lane closures.
 - to provide long-life pavement with minimal fatigue to the PCC.
4. Participation in product evaluation activities including a qualitative, organizational, before/after assessment conducted by an independent consultant for FHWA.
5. Willingness to share knowledge with other organizations interested in implementing new composite pavement systems.
6. Willingness to participate in regional or national knowledge sharing events to promote the product.

Application Form

Follow these steps to apply for implementation assistance:

1. Review all background information
2. Download the [New Composite Pavement Systems \(R21\)](#) 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, be sure to only hit the submit button one time

Attach letter of endorsement from CEO or designee

no file selected

[View Leadership Endorsement Guidance](#)

Attach completed application form. Be sure you are attaching the application form that matches this application.

no file selected

Download the [New Composite Pavement Systems \(R21\)](#) application form.

Number of applications your organization is submitting to Round 4

Rank this application relative to the total

Contact Information

Point of Contact

Title

Business Phone

Business Email

Organization

Type of Organization

State

Do you wish to subscribe to receive GoSHRP2 Email Updates?

Be sure to click submit only one time.

SHRP2 Implementation Assistance Program

Round 4 Application Form - *Application period closes June 27, 2014.*

New Composite Pavement Systems (R21)

FHWA Product Lead Name: Steve Cooper, Stephen.J.Cooper@dot.gov, 443-257-7145

This SHRP2 Solution is part of Round 4 of the Implementation Assistance Program. For more information about this product or about applying for implementation assistance, visit the Implementation Assistance Program page (<http://www.fhwa.dot.gov/GoSHRP2/ImplementationAssistance>) or this product's application page (where this form originated) on the GoSHRP2 website.

Point of Contact:

The SHRP2 Implementation Assistance Program is designed to foster peer learning, and as a result, applicants are encouraged to share their experience implementing SHRP2 products with others. By submitting this application, your organization grants permission to FHWA to publish and distribute the name and business email address of a **staff member from the applying organization** who is familiar with the project. Please provide:

POC Name: Provide your response here.

POC Business Email Address: Provide your response here.

Questions:

1. Describe your organization's interest and goals for adopting new composite pavement. (What type of new composite pavement? For what type of project? 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 the organization's past efforts to adopt solutions related to composite pavement.

Provide your response here.

3. Briefly describe demonstrated executive-level support for adopting new composite pavement.

Provide your response here.

4. Describe your approach to implementing new composite pavement.

Provide your response here.

5. Summarize the activities and resources needed to adopt new composite pavement.

Provide your response here.

6. Describe how your organization will use the implementation assistance to support the project(s). Please indicate the month/year the implementation assistance funds could be obligated.

Provide your response here.

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

Provide your response here.

8. What method(s) do you currently use for designing new composite pavements?

Provide your response here.

9. What level of success have you experienced with the use of new composite pavement?

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. **Be sure you are attaching the form to the correct application page.**
4. Click "Submit;" you will receive an email confirmation that includes the uploaded endorsement letter and application form.
5. Application period will close June 27, 2014.

For more information or to find this product's application page, visit the Implementation Assistance Program page (<http://www.fhwa.dot.gov/GoSHRP2/ImplementationAssistance>) on the GoSHRP2 website.