

Implementation
Assistance

Implementation Q&As

Leadership Endorsement

Contact

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Implementation Assistance Application for Managing Risk in Rapid Renewal Projects (R09)

[Read the
Product
Page](#)

Background

Highway projects come in a variety of sizes and use various financing mechanisms and delivery methods. Work on such projects often involves the potential for schedule delays, budget overruns, and other unexpected problems or “risks” that affect project performance. The risks of underestimating cost, schedule, or disruption can negatively affect budgets, increase delays, undermine public confidence, and necessitate expensive changes. Managing a project by anticipating and planning for these risks can significantly improve its outcome, both for the transportation agency and the traveling public.

Traditional risk assessment and mitigation activities used by transportation agencies today often lack rigor and formality in the project planning, design, and delivery continuum. Failure to adhere to a formal risk analysis process can result in unanticipated problems, delays, and costs because finding solutions during later phases of a project can be more difficult and costly. The new guide developed by the second Strategic Highway Research Program (SHRP2) provides practical tools and techniques to optimize innovation, minimize schedule and budget risks, and build better projects.

The guidebook, *Managing Risk on Rapid Renewal Projects (R09)* helps managers quantify risks and provides guidance on the level of risk management needed. It presents a formal risk management process that optimizes performance for accelerated reconstruction on projects, offering practical methods for identifying, assessing, mitigating, allocating, and monitoring risk. It fills the gaps that current risk management practices do not address by adding project performance measures and different project delivery and construction methods.

The guidebook provides a complete risk analysis process that enables the user to factor in project scope, strategy and conditions, structuring, risk identification, risk assessment, risk analysis, risk management planning, and risk management implementation. It also provides objective guidance that can be applied to various types and sizes of rapid renewal projects, as well as other rehabilitation efforts. Implementation tools include spreadsheets that lead the user through a risk analysis process and a two-day training course that includes instruction on the risk management process and allows participants to apply principles in a case study activity.

The full report can be found at: <http://www.trb.org/Main/Blurbs/168369.aspx>.

For a more detailed discussion of this SHRP2 product, you can access a TRB SHRP 2 recorded webinar at: <http://www.trb.org/StrategicHighwayResearchProgram2SHRP2/Blurbs/169261.aspx>.

Expected User Benefits

- Provides a formal plan for project risk management that enables organizations to be transparent with the public, partners, and stakeholders

- Outlines a versatile, flexible, and scalable process for use on projects of any size and type
- Increases the likelihood of on-time delivery by anticipating and managing risks
- Reduces costs through better management of budget and schedules
- Help facilitate early identification of issues so projects are subject to fewer surprises

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: User Incentive

Number of Awards: 8

Funding Level: **Implementation Assistance Services:** Each DOT is provided one of the following three implementation activities: one demonstration workshop for application of the process on a DOT project, one train-the-trainer session for DOT risk assessment facilitators and project managers, or eight hours of technical assistance to incorporate the product as part of the project development process.

Implementation Assistance Funding Level: Up to \$30,000 for each DOT, provided in the form of additional implementation assistance services and/or funding assistance for other implementation needs as identified by the DOT. These include demonstration workshops, train-the-trainer sessions, peer exchanges, technical assistance, project development manual updates, site visits to lead adopter agencies, and other activities as determined by the DOT.

Who Can Apply: State Departments of Transportation (DOTs)

Application Deadline: June 27, 2015

Requirements

1. Demonstration of past interest and/or efforts to implement risk management principles as part of the DOT's project development process.
2. Development of a plan to implement R09 as part of the DOT's project development process.
3. Availability of DOT employees to lead R09 implementation activities for the DOT.
4. Commitment of DOT leadership to make institutional and organizational challenges by implementing Managing Risk in Rapid Renewal Projects (R09).
5. Participation in product evaluation activities including a qualitative, organizational, before/after assessment conducted by an independent consultant for FHWA.
6. Willingness to share knowledge with other organizations interested in implementing Managing Risk in Rapid Renewal Projects (R09).

Application Form

Follow these steps to apply for implementation assistance:

1. Review all background information
2. Download the [Managing Risk in Rapid Renewal Projects \(R09\)](#) 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

SHRP2 Implementation Assistance Program

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

Managing Risk in Rapid Renewal Projects (R09)

FHWA Product Lead Name: Carlos F. Figueroa, Carlos.Figueroa@dot.gov, 202-366-5266

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. DOT agencies can select one of the following types of implementation assistance. Please indicate how you would like SHRP2 to support your project (**select one**):
 - Train-the-Trainer Course
 - Demonstration Workshop
 - 8 hours of technical assistance from FHWA
2. Briefly describe your interest for implementing Managing Risk in Rapid Renewal Projects (R09).

Provide your response here.
3. Briefly describe your organization's previous experience and efforts related to project risk management.

Provide your response here.
4. Describe the activities and resources the DOT anticipates may be needed to implement the product.

Provide your response here.

5. Describe the outcomes and deliverables you expect to achieve in implementing Managing Risk in Rapid Renewal Projects (R09).

Provide your response here.

6. If you selected "Demonstration Workshop" in Question 1, please complete the following project information:

- a. Project Name:

Provide your response here.

- b. Project Location:

Provide your response here.

- c. Project Scope:

Provide your response here.

- d. Total Project Cost:

Provide your response here.

- e. Current Project Status (e.g. Planning, NEPA, Design, Construction):

Provide your response here.

- f. Start and End Date for Construction:

Provide your response here.

- g. Briefly describe noteworthy complexities or risks associated with the proposed project.

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.