



## COURSE NUMBER

FHWA-NHI-136065

## COURSE TITLE

### Risk Management

Managing transportation networks--including agency management, program development, and project delivery--is extremely complex and fraught with uncertainty. Any agency can use risk management as the Federal Highway Administration (FHWA) does: to focus limited resources; strengthen its ability to prioritize; and improve communication and foster transparent leadership.

In this 2-day, instructor-led class, participants are exposed to the principles, tools, and techniques used to identify, prioritize, respond to, and monitor risk. They learn to apply these risk management tools and techniques at any level of an organization (enterprise, program, project, or activity). Throughout the course, participants answer the following questions.

1. What is risk?
2. Why should programs be risk-based?
3. What should program managers know about the results of risk analysis, risk statements and responses, strategies, and tracking of implementation?
4. How can risks be measured?
5. How is risk management tied to strategic planning (especially with performance measures)?

This training event combines limited instructor presentations with robust group discussions and multiple team-based exercises. Course material is based on FHWA generally accepted risk management principles and practice. Teams of participants work on agency-specified objectives to identify and manage risks. They leave class with work products including a risk register template and other tools for identifying, prioritizing, and responding to risk.

NOTE: Participants use tools and methods from each step of the risk management framework in a series of exercises that provide realistic, job-relevant practice in applying the risk management process. In order to maximize the impact of the training and increase the likelihood of participants' mastery of the risk management process, the agency can select active agency issues (project, program, or network) for use during the exercises. In addition, the agency can provide problem statements and pre-select the teams for the exercises.

## OUTCOMES

Upon completion of the course, participants will be able to:

- Recognize the connection between effective risk management and achieving organizational objectives.
- Follow the steps of the risk management process to identify and develop risk strategies.
- Apply the risk management process to one's own level of decision-making within an organization.

## TARGET AUDIENCE

The target audience for this course includes Federal, State and local highway employees who are responsible for directing and managing any aspects of highway-related programs and projects such as planning, environment, project development, design, construction, operations, maintenance, and finance. Asset management practitioners may also find this course content helpful as they develop their asset management plans. Audience experience, background, knowledge, skills and abilities will vary. No previous experience with risk management is required.

**TRAINING LEVEL:** Basic

**FEE:** 2018: \$500 Per Person; 2019: N/A

**LENGTH:** 2 DAYS (CEU: 1.3 UNITS)

**CLASS SIZE:** MINIMUM: 20; MAXIMUM: 30

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