



## COURSE NUMBER

FHWA-NHI-134055

## COURSE TITLE

### Construction Inspection, Workmanship, and Quality

This 2-day course helps transportation professionals involved in the inspection of highway construction projects improve their understanding of the factors that contribute to high-quality products. Using workshops and real-life examples that are relevant to participants, the course covers legal, liability, and risk issues, as well as quality assurance topics related to construction projects. Emphasizing stewardship and oversight roles, the course discusses the importance of fostering partnerships, cooperation, and teamwork among stakeholders, as well as the importance of quality decisions. With the goal of improving overall product quality and system performance, the course presents participants with approaches that help improve the quality of field decisions and the implementation of decisive actions in the field.

## OUTCOMES

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

- Identify the components of workmanship as they relate to highway and bridge construction and assess their own skills against standards and expectations for a job
- Describe the construction team (owner, inspector, contractor, engineer) and the roles and needs of each team member in achieving good communication and quality workmanship
- Link different types of specifications to the associated roles and responsibilities of the inspector, contractor, engineer, and owner
- Identify situations in which legal issues related to inspection and duties affect the performance of their assignments
- Apply the basic concepts of risk assessment to case examples from construction inspection and translate that into good decisions in the field
- Identify various successful State programs that provide training, methodology, and/or certification programs that lead to improved construction workmanship and quality and locate programs for certification and qualification in their jurisdiction

## TARGET AUDIENCE

This course targets field personnel involved in all aspects of highway construction from engineers to technicians. The ideal audience will have a mix of experience and responsibility levels so that agency-specific practices can be shared by more experienced participants with those who are newer to the field. The course materials also are appropriate for project manager/resident engineer involvement.

**TRAINING LEVEL:** Intermediate

**FEE:** 2013: \$400 Per Person; 2014: N/A

**LENGTH:** 2 DAYS (CEU: 1.2 UNITS)

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

**NHI Customer Service:** (877) 558-6873 • [nhicustomerservice@dot.gov](mailto:nhicustomerservice@dot.gov)