

MANAGING CONSTRUCTION WORKMANSHIP Instructor-Led

This 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 the legal, liability, and risk issues, and quality assurance topics related to construction projects. Emphasizing stewardship and oversight roles, the course discusses the importance of fostering partnership, 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 jurisdictions

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 are also appropriate for project manager/resident engineer involvement.

LENGTH: 2 days

CEU: 1.2 Units

FEE: \$270 per participant

CLASS SIZE: Minimum: 20; Maximum: 30

REGISTRATION: To host a session of an NHI course, complete the "On-Site Course Request" form (FHWA 1530) and submit to NHI via <http://www.nhi.fhwa.dot.gov>. After the form is received, an instructor will contact the local coordinator to schedule the session. Requested dates may be shown on the form; however, scheduling is subject to instructor availability. All confirmed sessions are listed on the NHI Web site by date and course number.

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For information on other construction and maintenance courses available through NHI, visit the NHI Web site at www.nhi.fhwa.dot.gov.



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