

**COURSE NUMBER**

FHWA-NHI-130112A

**COURSE TITLE****NDE for Concrete Bridge Elements (Web-based)**

130112A Nondestructive Evaluation (NDE) for Concrete Bridge Elements explains the “why” behind the approaches with theoretical explanations of the techniques, comparative costs of each approach, and their applicability to concrete as a primary bridge material. This course is the first of three courses in the WBT Course Series, Practical Applications of Nondestructive Evaluation for Bridge Inspection, which also includes 130112B NDE for Steel Bridge Elements and 130112C NDE for Timber and Other Bridge Elements. This Course Series (130112A, 130112B, 130112C) is a follow up to introductory course 130111 providing a more in-depth study of NDE topics.

OUTCOMES

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

- Describe the application of NDE technology to corrosion and related flaws
- Describe the application of NDE technology to construction flaws including honeycombing, voids, and inadequate rebar cover
- Explain NDE investigation techniques of concrete bridge elements

TARGET AUDIENCE

The target audience for course 130112A includes public and private sector bridge inspectors, supervisors, project engineers, and others responsible for field inspection of in-service bridges. This will include personnel who may be engineers or technicians in positions such as bridge inspection program manager, bridge inspection project manager, bridge inspection team leader, bridge inspection team member, and FHWA Structural/Bridge Engineers.

TRAINING LEVEL: Basic

FEE: 2016: \$50 Per Person; 2017: N/A

LENGTH: 5 HOURS (CEU: .5 UNITS)

CLASS SIZE: MINIMUM: 0; MAXIMUM: 0

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