

**COURSE NUMBER**

FHWA-NHI-134029

COURSE TITLE**Bridge Maintenance Training**

This course focuses on cost-effective bridge maintenance and repair procedures performed by typical transportation agency crews. Included are step-by-step instructions for the preparation and performance of maintenance and repair on common bridge elements. Bridge preservation is emphasized throughout. While engineers often attend, the material is designed for bridge crew supervisors and technicians.

OUTCOMES

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

- Justify, develop and implement a cost-effective preservation strategy for a group of bridges
- Identify maintenance or repair needs and select the best remedial strategy.
- Describe properties and preservation options involving common bridge materials such as concrete, steel and timber
- Describe the step-by-step tasks required to accomplish proven preservation procedures on the various bridge elements
- Identify critical members and avoid procedures that might result in damage such as field welding repairs on fracture critical tension members
- Recognize problems that warrant specialized expertise, for example, soliciting the involvement of a qualified structural engineer when repairing structural damage
- Apply effective management techniques (such as planning, scheduling, monitoring and reporting) during daily bridge maintenance operations

TARGET AUDIENCE

State and local bridge maintenance technicians and supervisors. This course is also recommended for asset management team members.

TRAINING LEVEL: Intermediate

FEE: 2013: \$670 Per Person; 2014: N/A

LENGTH: 4 DAYS (CEU: 2.4 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

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