

**COURSE NUMBER**

FHWA-NHI-130106A

**COURSE TITLE****Bridge Preservation Fundamentals**

Bridge Preservation Fundamentals (130106A) provides the participant key bridge preservation strategies that can help assist in the planning and implementation of their own bridge preservation program. It is a six lesson course that starts off with introducing definitions, terminology, and categories of bridge action. It also shares details on the benefits of timely bridge preservation and the consequences of deferred maintenance. This course discusses at length user best practices and activities related to deck preservation, superstructure preservation, and substructure preservation. This course also includes a lesson with detail on cost-effective culvert preservation practices.

This course is the first course in the three-course Bridge Preservation Web-based Training (WBT) series which includes Establishing a Bridge Preservation Program (130106B) and Communication Strategies for Bridge Preservation (130106C). This course series covers areas such as concepts of bridge preservation; how to establish and maintain a good bridge preservation program; best practices; common treatments and strategies; and resource management strategies (in-house vs. contract). The goal of the Bridge Preservation WBT Series is to provide training to bridge owners and those that are responsible for managing and maintaining the bridge inventory on the principles of planning and implementing successful bridge management and preservation programs.

**OUTCOMES**

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

- Define activities and classifications related to bridge preservation, and associated work categories of rehabilitation, preventive maintenance, and systematic preventive maintenance
- Identify the benefits of timely bridge preservation activities, consequences of deferred maintenance, and strategies to transition bridge programs from reactive to proactive
- Determine cost-effective deck preservation practices and activities
- Determine cost-effective superstructure preservation practices and activities
- Determine cost-effective substructure preservation practices and activities
- Determine cost-effective culvert preservation practices and activities

**TARGET AUDIENCE**

The target audience for the Bridge Preservation Fundamentals WBT course is individuals involved in the development, implementation, and delivery of a bridge preservation program. This course is intended for those with general knowledge and/or skills in the area of bridge maintenance and management principles and practices.

**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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