

**COURSE NUMBER**

FHWA-NHI-137030

COURSE TITLE**Principles and Tools for Road Weather Management**

This course provides transportation professionals in highway maintenance and/or highway operations with training to develop tools and strategies for addressing road weather problems. The course begins with an overview of the types of road weather problems and their associated costs, as well as basic meteorology for non-meteorologists. Through this course, participants are exposed to various strategies for addressing road weather problems, including Road Weather Information Systems (RWIS) and the development of crosscutting decision support systems to respond effectively to weather situations. In addition, road weather solutions unique to maintenance management, traffic management, traveler information, and emergency management are discussed.

OUTCOMES

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

- Recognize the crosscutting impacts that weather has upon roadway operations
- Identify the technical and institutional challenges of implementing road weather management strategies
- Explain the range of effective and open solutions to the various types of weather for various management practices, i.e., maintenance, traffic, emergency, and safety management
- Discuss the variety of operational tools and techniques available to the transportation community to deal with the impacts

TARGET AUDIENCE

This course is designed for persons engaged in any aspect of highway maintenance, operations, traffic management, emergency management, and highway safety, specifically those engaged in the implementation of solutions for roadway problems; technical specialists engaged in the implementation of solutions for roadway problems that are caused by weather; State and local transportation/public works agencies, and mid-level managers who direct their agency's resources; and FHWA personnel.

TRAINING LEVEL: Basic

FEE: 2013: \$300 Per Person; 2014: N/A

LENGTH: 1 DAYS (CEU: .6 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

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