

**COURSE NUMBER**

FHWA-NHI-131137

**COURSE TITLE****Special Mixture Design Considerations and Methods for Warm Mix Asphalt - WEB-BASED**

Highway transportation agencies are exploring the use of warm mix asphalt (WMA) for pavement projects. One of their main questions, particularly for agency mixture design technicians and engineers, is how WMA design differs from hot mix asphalt (HMA) design. "Mixture Design for Warm Mix Asphalt" is a Web-based training that presents the modifications to the current Superpave volumetric design procedure, as described in AASHTO R35, that are needed to complete a WMA mixture design.

The training highlights key differences in WMA and HMA design procedures, and provides an opportunity to apply the AASHTO R35 standard practice to a WMA design modification so that participants are able to convert HMA mixture designs to WMA.

**OUTCOMES**

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

- - Describe differences between warm mix asphalt (WMA) and hot mix asphalt (HMA) mixture design processes.
- - Convert HMA mixtures to WMA mixtures.

**TARGET AUDIENCE**

"Mixture Design for Warm Mix Asphalt" was developed for experienced HMA mixture design technicians and engineers who are interested in using WMA. The training design assumes that participants have basic computer skills (manipulating windows, using directories, a web browser, etc).

**TRAINING LEVEL:** Basic

**FEE:** 2011: \$0 Per Person; 2012: \$0 Per Person

**LENGTH:** 2 HOURS (CEU: 0 UNITS)

**CLASS SIZE:** MINIMUM: 1; MAXIMUM: 1

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