Course Number

FHWA-NHI-131137

New Training WBT

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. Because of the potential environmental and engineering benefits that WMA provides, agency and industry personnel want to learn the proper design considerations for a quality WMA mixture design. Mixture design technicians and engineers are particularly interested in design differences between WMA and HMA.

The Special Mixture Design Considerations and Methods for Warm Mix Asphalt course explains the key differences between WMA and HMA design procedures. Participants in this course compare important elements of the mixtures and review the effects of those elements on the final WMA product. Learners also have an opportunity to apply AASHTO R35 standard practice to a WMA design modification, converting an HMA mixture design 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

This training was developed for experienced HMA mixture design technicians and engineers who are interested in using WMA. Participants should have basic computer skills, such as manipulating windows, using directories, and opening Web browsers.

Training Level: Basic

Fee: 2013: $0 Per Person; 2014: N/A

Length: 2 HOURS (CEU: 0 UNITS)

Class Size: MINIMUM: 1; MAXIMUM: 1

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