

**COURSE NUMBER**

FHWA-NHI-131134

**COURSE TITLE****Superpave for Construction**

The Superpave for Construction Course contains information for field construction personnel on the Superpave mix design system and the control of field produced Hot Mix Asphalt.

There are two modules in this course. The first module introduces the Superpave Hot Mix Asphalt design testing and analysis. It will cover design testing procedures, design analysis methods, and will include calculations to analyze the volumetrics of paving samples. Module two includes relevant volumetric examples including the use of phase diagrams to calculate volumetric properties. Example problems are included. This course is an excellent learning tool to assist in understanding corrective actions for volumetric parameters.

OUTCOMES

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

- Describe the benefits of Superpave over previous mix design methodologies
- Understand Superpave mix design procedures and testing
- Understand mix design analysis methods
- Perform the calculation necessary to analyze the volumetrics of paving samples for comparison
- Describe how to use phase diagrams to calculate volumetric properties
- Describe factors which can influence key mass-volume relationships and calculations
- Understand corrective action for volumetric parameters
- Calculate and evaluate volumetric properties through example problems

TARGET AUDIENCE

This training is targeted to intermediate and advanced technicians from both contractor and agency employment, which will be involved in construction of pavements using Superpave. This training is recommended for the Transportation Curriculum Coordination Council levels II and III.

TRAINING LEVEL: Basic

FEE: 2020: \$0 Per Person; 2021: N/A

LENGTH: 3.5 HOURS (CEU: 0 UNITS)

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

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