

**COURSE NUMBER**

FHWA-NHI-134101

**COURSE TITLE****Design of Pavement - WEB-BASED**

This training is provided by the Transportation Curriculum Coordination Council (TCCC) in partnership with NHI to review integrated materials and construction practices for concrete pavement. The training was developed by the National Concrete Pavement Technology Center at Iowa State University. This training is recommended for the Transportation Curriculum Coordination Council levels III and IV. This course is primarily for inspectors and technicians.

This module covers pavement design and subgrade concepts as they relate to materials and construction. It does not provide sufficient detail to actually design or evaluate a design. It covers the primary goal of pavement design, which is to provide a pavement with the following characteristics: safe, long lasting, cost effective, low maintenance, and constructible.

This module is part of a curriculum from the "Integrated Materials and Construction Practices for Concrete Pavement" manual developed through the National Concrete Pavement Technology Center at Iowa State University. The other Web-based training modules include:

- FHWA-NHI-134075 TCCC Hardened Concrete Properties - Durability
- FHWA-NHI-134084 TCCC Fundamentals of Materials Used for Concrete Pavements
- FHWA-NHI-134085 TCCC Incompatibility in Concrete Pavement Systems
- FHWA-NHI-134087 TCCC Mix Design Principles
- FHWA-NHI-134095 TCCC Early Age Cracking
- FHWA-NHI-134096 TCCC Basics of Cement Hydration
- FHWA-NHI-134097 TCCC Fresh Concrete Properties
- FHWA-NHI-134098 TCCC Construction of Concrete Pavements
- FHWA-NHI-134100 TCCC QCQA for Concrete Pavements
- FHWA-NHI-134102 TCCC Troubleshooting for Concrete Pavements

**OUTCOMES**

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

- Identify pavement types and design features
- Recognize what design variables are controlled by field operations
- Discuss the two primary types of pavement distresses (performance measures)
- Recognize how subgrades and bases effect construction operations and long-term pavement performance

**TARGET AUDIENCE**

This training is designed for FHWA, State, and local agencies and their industry counterparts involved in designing, constructing, and inspecting Portland cement concrete pavements.

**TRAINING LEVEL:** Intermediate

**FEE:** 2016: \$25 Per Person; 2017: \$25 Per Person

**LENGTH:** 1 HOURS (CEU: 0 UNITS)

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

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