

**COURSE NUMBER**

FHWA-NHI-131127

**COURSE TITLE****Concrete Series**

The Transportation Curriculum Coordination Council (TCCC) in partnership with NHI is pleased to offer this comprehensive training series (FHWA-NHI-131127) for any engineer or supervisor working with Portland cement. The series 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.

This course is recommended for the Transportation Curriculum Coordination Council levels II - IV.

To streamline registration and enable you to take some or all of these courses when it best suits your schedule, we have created this new series option which automatically registers you for all 11 modules-it's that easy. They are as follows:

Module 1 - TCCC Design of Pavement (FHWA-NHI-134101)

Module 2 - TCCC Fundamentals of Materials Used for Concrete Pavements (FHWA-NHI-134084)

Module 3 - TCCC Mix Design Principles (FHWA-NHI-134087)

Module 4 - TCCC Fresh Concrete Properties (FHWA-NHI-134097)

Module 5 - TCCC Basics of Cement Hydration (FHWA-NHI-134096)

Module 6 - TCCC Incompatibility in Concrete Pavement Systems (FHWA-NHI-134085)

Module 7 - TCCC Early Age Cracking (FHWA-NHI-134095)

Module 8 - TCCC Hardened Concrete Properties- Durability (FHWA-NHI-134075)

Module 9 - TCCC Construction of Concrete Pavements (FHWA-NHI-134098)

Module 10 - TCCC QCQA for Concrete Pavements (FHWA-NHI-134100)

Module 11 - TCCC Troubleshooting for Concrete Pavements (FHWA-NHI-134102)

**OUTCOMES**

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

- Explain concrete pavement construction as a complex, integrated system involving several discrete practices that interrelate and affect one another in various ways
- Recognize and implement technologies, tests, and best practices to identify materials, concrete properties, and construction practices that are known to optimize concrete performance
- Identify factors that lead to premature distress in concrete, and learn how to avoid or reduce those factors
- Apply appropriate how-to and troubleshooting information

**TARGET AUDIENCE**

This training is intended as both a training tool and a reference to help concrete paving engineers, quality control personnel, specifiers, contractors, suppliers, technicians, and tradespeople bridge the gap between recent research and practice regarding optimizing the performance of concrete for pavements.

**TRAINING LEVEL:** Intermediate

**FEE:** 2018: \$50 Per Person; 2019: \$50 Per Person

**LENGTH:** 12 HOURS (CEU: 0 UNITS)

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

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