

National Concrete Pavement Technology Center

National Concrete Consortium
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E. Thomas Cackler, P.E.
Director



National Training Program in Concrete Pavements

- Vision: A state based training program supported by ACPA, CRSI, PCA, NRMCA, CP Tech Center, FHWA, and other national resources.
- Goal: All involved in project concepts, design, specifications, construction, and maintenance have a proficient working knowledge of concrete pavement products.



Why is this important now?

- Continued rapidly declining public agency workforce
- Loss of skilled workforce within the construction industry
- Broader interest in concrete pavements and other cement based products
- Technology advancements
- Specification changes
- Need to maximize product performance
- Trend to transfer risk to the contractor

National Training Framework

- State led
 - DOT and Industry partnership
 - Build upon core resources
 - Customize for local requirements
- Nationally supported
 - CP Tech Center Focus
 - Technical manuals and support
 - Support Universities
 - Nation Expert Training Teams



National Training Framework

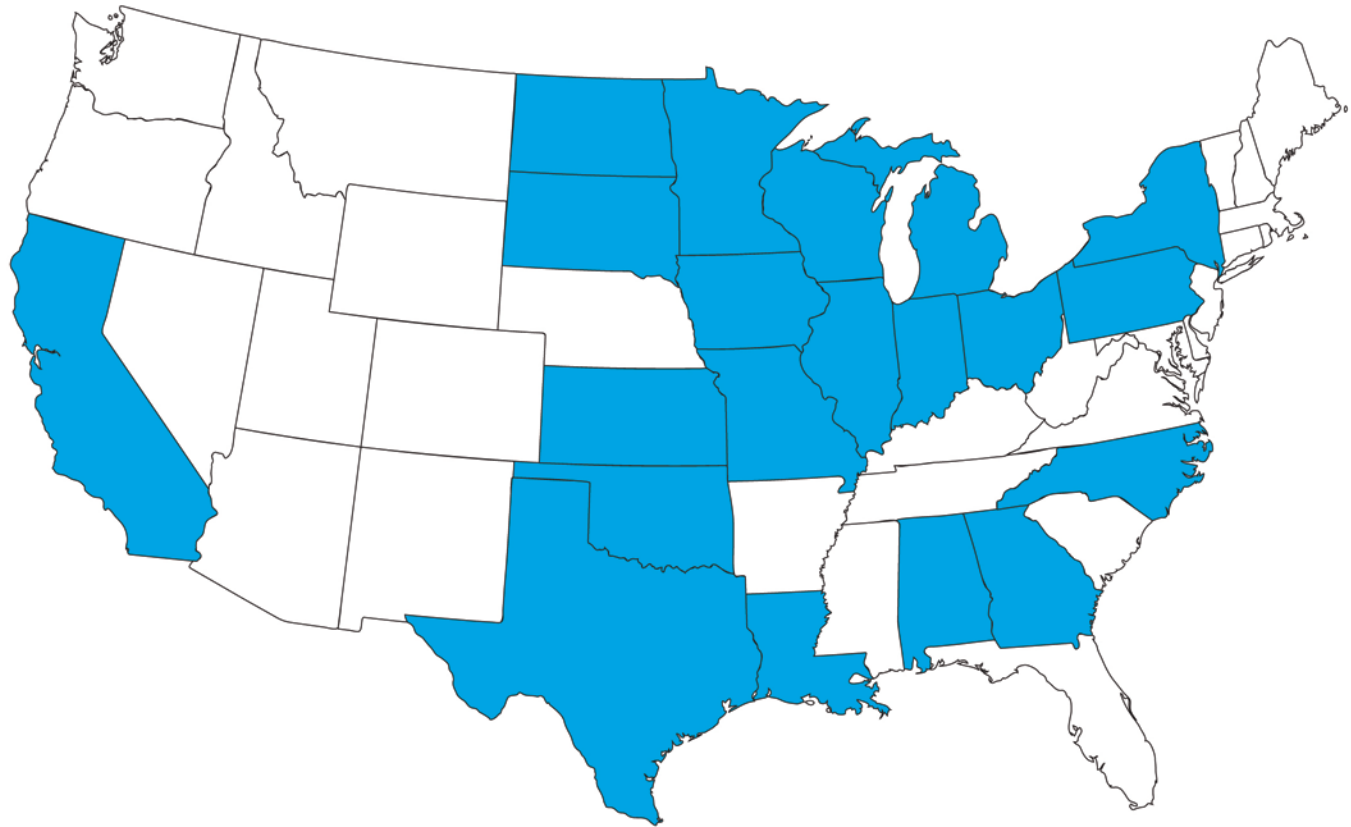
- Integrate other existing resources
 - ACI
 - ACPA
 - CP Tech Center
 - FHWA
 - NHI
 - NRMCA
 - PCA
 - Current state programs
 - LTAP
 - TCCC/National Transportation Training Resource



CP Tech Center Partnerships

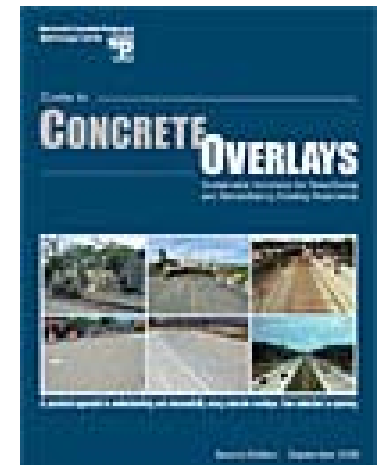
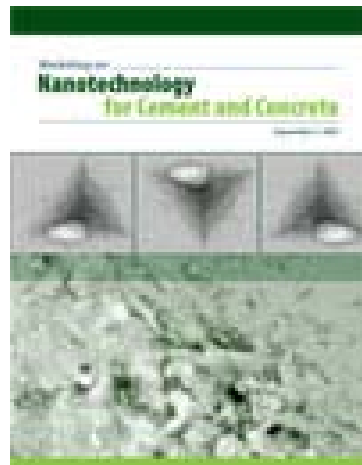
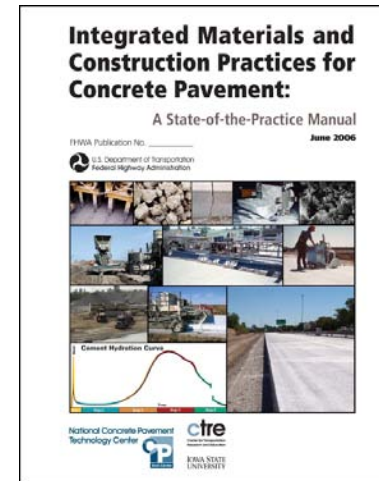


NC2 Pooled Fund States



What We Produce-Advancing Professional Practice

- ❑ Research and Reports
- ❑ Technology Manuals
- ❑ Tech Briefs
- ❑ Technical Presentations
- ❑ Demonstration Projects



Interactive Training on Demand

- Training-on-Demand modules available on NHI website: <http://www.nhi.fhwa.dot.gov>
- Access the modules via the CP Tech Center's website: <http://www.cptechcenter.org>

The screenshot shows a web browser displaying an interactive training module. The browser's address bar shows the URL: https://admin.na3.acrobat.com/_a55098539/n134087mod1/. The page header includes "TCCC Concrete Series" and "FHWA-NHI-134087". Below the header, it says "Transportation Coordination Curriculum Council" and "Mix Design".

The main content area features a slide titled "Mix Design Principles". A callout box on the slide contains the following text: "For the best training experience, please take a moment to download the IMCP Manual from October 2007. The IMCP Manual will be referenced at the bottom of the slide throughout this training module. The IMCP Manual can also be downloaded using the Resources link in the left-hand bar. This download may take a few minutes."

The left-hand navigation bar includes the following links: "Lesson 1: Mix Design Overview", "Lesson 2: Mix Proportioning", "Resources", "Glossary", and "Help". The NHI logo is also visible in the bottom left corner of the slide.

The right-hand sidebar is titled "Mix Design" and contains tabs for "Outline", "Narration", and "Search". Below these tabs, there is a "Slide Notes" section with the text: "In this session we will be talking about mix design. We will be defining some terminology, talking about the basic principles behind the process, and providing some guidelines on how to do it." At the bottom of the sidebar, it indicates "22 Minutes 1 Seconds Remaining".

The bottom of the slide shows a progress bar and a "Continue" button. The browser's status bar at the bottom indicates "Done" and "Internet" connectivity.

Listing of Courses Available

- Basic Materials for Highway and Structure Construction and Maintenance
- Portland Cement Concrete Paving Inspection
- Basic Construction and Maintenance Documentation - Improving the Daily Diary
- Hardened Concrete Properties - Durability
- Construction of Portland Cement Concrete Pavements
- Portland Cement Concrete Paving Inspection
- Concrete Series



Available Courses-continued

- Fundamentals of Materials Used for Concrete Pavements
- Incompatibility in Concrete Pavement Systems
- Mix Design Principles
- Early Age Cracking
- Basics of Cement Hydration
- Fresh Properties
- Construction of Concrete Pavements
- QCQA for Concrete Pavements
- Design of Pavement
- Troubleshooting for Concrete Pavements



Available Courses-continued

- Concrete Pavement Preservation
- Preventive Maintenance and Pavement Preservation Concepts
- Concrete Pavement Evaluation
- Slab Stabilization and Slab Jacking
- Partial-Depth Repairs
- Full-Depth Repairs
- Retrofitted Edge Drains
- Load Transfer Restoration
- Diamond Grinding and Grooving
- Joint Resealing and Crack Sealing
- Strategy Selection



What's working for us

- Develop good technical material
- Offer material in form to meet the audience needs
 - Manuals
 - Tech Briefs
 - On-demand modules

What's working for us

- Using multiple delivery strategies
 - Workshops
 - Web training
 - Train the trainer
 - “Lunch hour” training
 - On-demand

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www.cptechcenter.org



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Research and Education

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