



NATIONAL CONCRETE CONSORTIUM

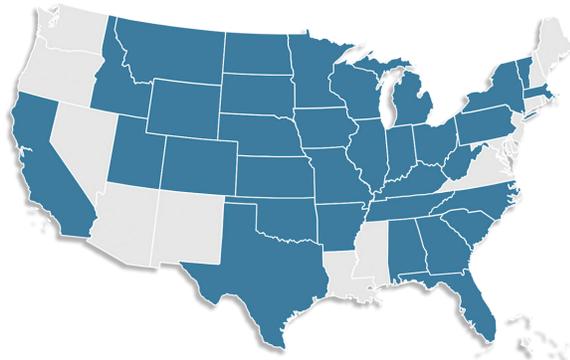
Advancing Research and Technologies for Concrete Materials, Pavements and Highway Structures

The National Concrete Consortium (NC²) is a national forum for research and technology transfer initiatives on concrete materials, pavements, and highway structures. The NC² Executive Committee is comprised of regional representatives with the Technology Transfer Concrete Consortium (TTCC) and a Transportation Pooled Fund—currently **TPF-5(544)** and formerly **TPF-5(437)**, **TPF-5(313)**, and **TPF-5(159)**. The goals of NC² are the following:

- Identifying needed research projects
- Developing pooled fund initiatives
- Providing a forum for technology exchange among participants
- Communicating state agencies' research needs to the Federal Highway Administration (FHWA) and industry

The TTCC is **open to any state** interested in being part of new developments in concrete paving that lead to the implementation of new technologies supporting longer-life infrastructure through the use of innovative testing, construction optimization technologies and practices, and technology transfer.

Could your state benefit from being part of NC²-led developments leading to the implementation of new technologies? To renew or join the TTCC pooled fund, see the **TPF-5(544) web page**.



The 2025-2029 TTCC pooled fund TPF-5(544) is supported by states around the country



Attendees gathered at an NC² meeting

TRAINING OPPORTUNITIES FOR TTCC STATES

All workshops are designed to meet the needs of the agency. Each workshop can be delivered in 1 day to full day formats, involving contributions of multiple workshops.

INSPECTOR'S WORKSHOP

Intended for inspectors as well as engineers, this workshop provides guidance and instruction on the basis of concrete paving. The training material highlights the importance of quality, addresses the risks of quality and construction process, and provides a detailed checklist for use as a reference for your inspection of concrete paving. This workshop includes an expert panel and a Q&A session. Topics include the following:

- What is a concrete inspector?
- What is a concrete inspector's role?
- What are the risks of concrete paving?

INTEGRATED MATERIALS AND CONSTRUCTION PRACTICES FOR CONCRETE PAVEMENTS

This workshop is based on the recent release of the CP Tech Center's comprehensive report for concrete materials, pavements and construction practices for concrete pavement. The workshop highlights the key areas of the report that are most relevant to the industry. The workshop includes an integrated system training several practices for effective use. The workshop also includes a Q&A session and a panel discussion. Topics include the following:

- Sustainability
- Material
- Construction practices
- Quality and testing
- Construction practices
- Construction practices
- Construction practices

CONCRETE CURING WORKSHOP

Concreting is a critical component of the performance of concrete pavements and structures. This workshop covers the basics of curing for concrete pavements. Topics include the following:

- Curing types and methods

TTCC training opportunities

Year	Topic	Format
2025	Quality Assurance and Quality Control for Concrete Pavement Projects: New Tools and Resources	Tech Brief
2025	Curing for Exterior Concrete Slabs	Tech Brief
2025	Maturity Method for Early Opening of Concrete Pavements	Tech Brief
2025	Accelerated Delivery of Concrete Paving Projects	Tech Brief
2024	Understanding Environmental Product Declarations (EPDs)	Tech Brief
2024	Sustainable Pavements: CRCP Across Texas	Tech Brief
2024	What Can Be Done to Reduce the Embodied Impacts of Concrete?	Tech Brief
2024	Concrete Pumping and Air Testing Webinar	Video
2024	Toward Performance-Engineered Curing	Tech Brief
2023	PEM Evolution: Then and Now	Tech Brief
2023	Revisiting Concrete Sealing	Tech Brief
2023	Climate Change, Resilience, and Concrete Pavements	Tech Brief
2023	Concrete Overlays	Tech Brief
2022	Guidance to Reduce Shrinkage and Restraint Shrinkage Cracking	Final Report
2022	Mechanistic-Empirical Design Methods for Concrete Pavement Solutions	Tech Brief

NC² resource library

The National Concrete Pavement Technology Center (CPTech Center) manages NC² and the TTCC pooled fund, and also maintains the NC² website. For more information about past and upcoming NC² meetings, TTCC state training opportunities, and NC²-developed technical resources, please visit <https://www.cptechcenter.org/national-concrete-consortium>.

