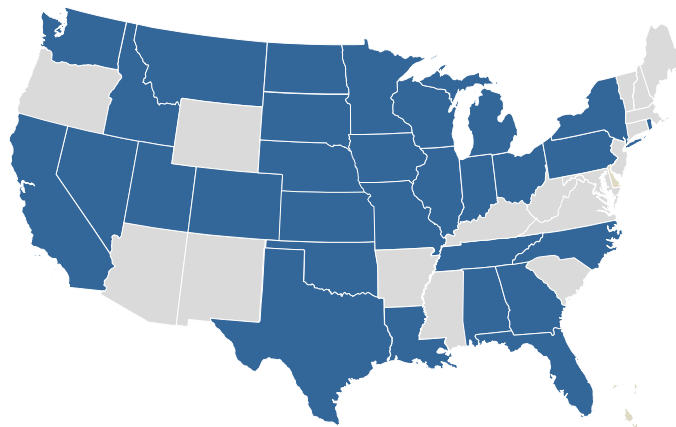


Highlights of the Fall 2016 National Concrete Consortium

San Antonio, Texas – August 29 - September 1, 2016

The fall meeting of the National Concrete Consortium (NC²) was held concurrently with the [11th International Conference on Concrete Pavements \(ICCP\)](#) that brought together the expertise and experience of 400 attendees from across the globe. The ICCP Conference, which is held every four years, was the technical program for the fall meeting. A memory stick containing copies of the accepted papers and poster session was provided to all attendees, and the workshop presentations, papers, and posters will also be available on their website.

TTCC Pooled Fund States



The TTCC representatives met in a four-hour closed session on the afternoon of the first day of the conference to address their normal business activities, state survey responses, and the other topics below. PowerPoints of the presentations and of the state reports from that session are available on the [NC2 website](#). The outline below summarizes the TTCC states-only meeting.

- Technical products update
 - Summary of the survey sent out was presented.
 - Of the 21 items listed, the top 6 subjects were:
 - Enhance durability with focus on SCM, air content and admixtures
 - Early opening mixes for traffic control (strength, load restriction, time requirement)
 - Early age cracking
 - Design features (widened lanes, tied shoulders, base support, critical features, shrinkage cracking, cracking vs. joint spacing - is there a correlation?)
 - Formation factor (resistivity and w/c ratio)

- Joint durability
- Training matrix for prioritization
- Concrete Pavement Road Map - short and long term updates were given
- Performance Engineered Mixes (PEM)
 - Draft AASHTO Provisional Specification and Commentary
 - PEM Transportation Pooled Fund Study
 - The project problem statement/solicitation is available here: <http://www.pooledfund.org/Details/Solicitation/1439>
 - After discussion at the meeting, the research team was tasked with providing additional information to clarify the deliverables, testing spreadsheet, implementation being considered, and specification timeline.
- TTCC State Reports and Discussion
 - What spec are you currently implementing or have you recently implemented?
 - What are you currently researching that may be of interest to other NCC members?
 - What is one unique construction issue that you have encountered in the last year that may be of interest to other NCC members?
- Chair Maria Masten summarized the state reports; the PowerPoint is available on the [NC² website](#)

The member states participated in the ICCP conference in multiple ways (detailed listing attached). Following is a brief breakdown of their participation:

- 14 moderators
- 20 poster presentations. The NC² poster sessions are available on the [NC² website](#)
- 2 papers
- 10 speakers

NC² members were able to choose from 14 podium sessions:

- Improvements in the Design and Construction of CRFCP
- Concepts Toward Sustainability
- Steps Forward in Testing and Instrumentation
- Driving Toward Improved Surface Characteristics
- Composite Pavements – When One Layer is Not Enough
- New Developments in Design
- Impacts of Construction Control and Variability
- Flying Toward Better Airport Pavements
- Toward Better Understanding of Concrete Overlays
- Better practices for Improved Durability
- Long-Term Performance – How Have They Done
- Recycled Materials – Why Buy New
- Moving Toward Better Economics
- Innovations in Rehabilitation

In addition, ten workshops were offered:

- Roller-Compacted Concrete (RCC)

- Continuously Reinforced Concrete
- Concrete Recycling
- Concrete Overlays
- Full-Depth Reclamation (FDR)
- Performance-Engineered Mixtures (PEM)
- Precast Pavement Systems
- FAARFIELD Airport Pavement Design
- Industrial Concrete Pavements
- Lightweight Aggregate/Internal Curing

Two field trip opportunities: Commercial Metals Company Americas Plant and History of Cement in Texas, Capitol Cement visits were scheduled, as well as a tour of the FHWA Mobile Concrete Lab (MCL).

A final note about upcoming meetings: the 2017 NC² spring meeting will be held April 25-27 in Salt Lake City, Utah, and the 2017 fall meeting will be held in Minnesota.

Attachments: TTCC Member States' Participation Details
ICCP Conference Program