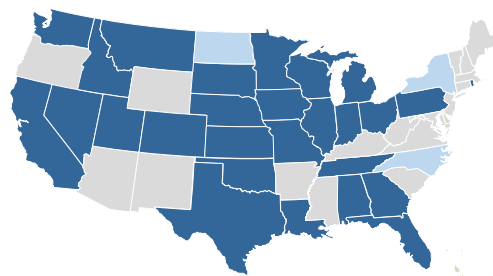


## Spring 2015 National Concrete Consortium Highlights

Reno, Nevada – April 21-23, 2015

The semi-annual meeting of the National Concrete Consortium (NCC) continues to be an outstanding forum for concrete technology transfer. The meeting was attended by 145 practitioners from across the nation, representing industry, academia, the FHWA, 27 of the 30 pooled fund member-state departments of transportation, and the Illinois Tollway. State agencies attending the spring meeting are represented on the map below below.\*



*\*North Carolina, North Dakota, and New York were not in attendance.*

Maria Masten, Concrete Engineer from the Minnesota Department of Transportation, is the current Chairperson. The meeting agenda and all presentations are on the NCC website:

<http://www.cptechcenter.org/ncc/TTCC-NCC-2015.cfm>. Highlights from the meeting include:

- One integral part of the meeting is highlighting state practices on a particular subject. The theme for this meeting was curing including materials, testing and practices. Maria Masten presented a summary of DOT responses to the survey. Each individual DOT response can be found on the NCC website, as well as the summary presentation.
- The FHWA is initiating two significant programs in the areas of performance engineered mixtures (PEMs) and concrete recycling. Gina Ahlstrom, Senior Pavement Engineer from the FHWA, gave an introduction of both programs followed by detailed technical presentations. DOTs are encouraged to participate in both programs by becoming a champion state. These champion states will form the technical advisory committees that will oversee the national effort to advance the state of practice in both areas. If your state is interested in participating in either program please contact Gina Ahlstrom ([gina.ahlstrom@fhwa.dot.gov](mailto:gina.ahlstrom@fhwa.dot.gov)) or Dr. Peter Taylor, Director of the National Concrete Pavement Technology Center ([ptaylor@iastate.edu](mailto:ptaylor@iastate.edu)).
- Internally cured concrete continues to be a subject of interest as promising results are being obtained when using the technology for bridge deck concrete. Consideration is now being given to pavement and overlay applications. Positive experiences with bridge deck applications were presented by several states and Dave Meggers with KDOT gave an overview of its application to a concrete pavement.

- An update on fly ash quality and supply was presented by Tom Adam, President of ACAA, and Ben Franklin with Headwaters.
- The Cement Task Force had presentations by Dr. Jason Weiss, Purdue University, and Tim Cost, Holcim, on the promising research and project experience using SCMs in concrete mixtures.
- Tom Burnham with MnDOT and Dr. Mark Snyder gave the group an update on the Dowel Bar Task Force. They requested feedback from the NCC Membership on whether they are headed in the right direction in regards to acceptance of different types of dowel bars from a structural capacity and corrosion resistance standpoint.
- Dale Harrington with the National CP Tech Center shared an update on training opportunities for concrete overlays and pavement preservation. States interested in a workshop or technical support for these FHWA sponsored programs should contact Dale Harrington (515.964.2020) for preservation and Tom Cackler (515.460.4512) for overlay needs.
- Dr. Tom Van Dam and Dr. Tyler Ley co-presented on the relative effects of curling and warping, their causes, and how they can be controlled. This session raised a lot of discussion among the agency representatives.
- A tour of a recently constructed roadway, including several bridges, provided attendees with an opportunity to learn about the challenges of providing infrastructure on a heavy traffic route in the Northwest. A second site visited was a working cement plant – a first for many.
- Feedback from many attendees was a request to provide more opportunities for informal discussion so that people can learn from each other in an informal one-on-one setting. This is clearly a critical part of the value of the meeting.

The fall meeting of the National Concrete Consortium is being planned for September 15-17, 2015 in Milwaukee, WI.