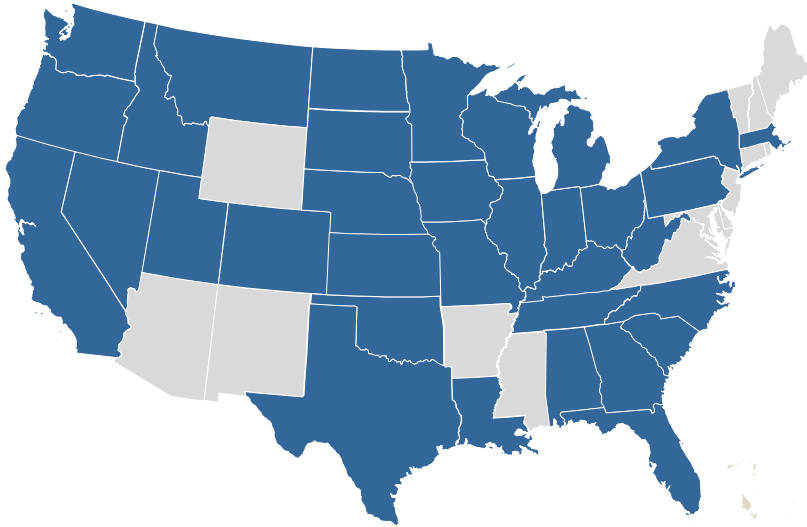


## Fall 2019 National Concrete Consortium Highlights

Kalispell, Montana – September 10-12, 2019



TTCC TPF 5(313)  
34 Member States + Illinois  
Tollway

The 2½-day fall meeting of the National Concrete Consortium (NC<sup>2</sup>), hosted by the Montana DOT, brought together the expertise and experience of 170 attendees from: 33 DOTs (69 individuals), the Illinois Tollway, FHWA, academia, and industry, in an excellent event focused on improving concrete performance and structural concrete applications. Dan Miller, Cement and Concrete Engineer from the Ohio Department of Transportation, is the current chairperson. The meeting agenda and all technical presentations are available on the NCC website ([link](#)).

The general session consisted of 19 topics presented by representatives from five state agencies, four from FHWA, one from academia, one from the Bureau of Reclamation, and ten from the industry sector.

### Meeting presentation highlights include:

- Updates:
  - Federal Highway Administration
  - PEM
  - State reports
- Early Opening Technologies:
  - Field implementation using EMI
  - Use of maturity for opening to traffic/acceptance
  - Implementing maturity systems for paving and bridge applications
- Precast Materials:
  - Precast pavement state experience, Richmond, IN
  - Precast bridge elements
  - Decorative precast bridge elements
- Topical Treatments and Repair Technologies:

- Cure and seal vs curing compounds, basics 101
- Polymer overlay systems
- Dowel Bars in PCCP:
  - Performance based specifications for dowel bars
  - Load transfer device optimization for dowel and tie bars in pavement
  - Dowel bar placement methods, issues, verification
- Bridge Deck Curing Practices and Specifications:
  - Specs for curing practices – MT update
  - Curing procedures to mitigate early age cracking in bridge decks
- Other Topics:
  - IRI update and real-time smoothness since implementation
  - ACI certification program
  - Preview of Bureau of Reclamation Hungry Horse Dam tour

### **Field Trip**

- Hungry Horse Dam
- 97 attendees

### **Future meetings:**

- The spring 2020 NC<sup>2</sup> meeting will be held in Nashville, Tennessee March 31 - April 2.
- The fall 2020 meeting will be held in Minneapolis, Minnesota August 30 – September 3.