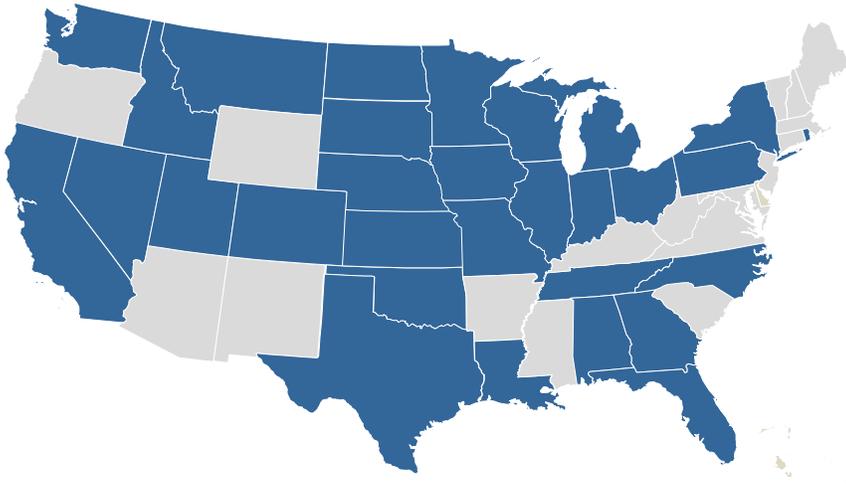


Spring 2017 National Concrete Consortium Highlights

Salt Lake City, Utah – April 25–27, 2017

TTCC TPF 5(313) Member States – 30 + Illinois Tollway



The 2½-day spring meeting of the National Concrete Consortium (NC²) hosted by the Utah DOT brought together the expertise and experience of 172 attendees from FHWA, 30 DOTs (65 individuals), the Illinois Tollway, academia, and industry in an excellent event focused on improving concrete performance and structural concrete applications. Maria Masten, Concrete Materials Engineer from the Minnesota Department of Transportation, is the current chairperson. The meeting agenda and all technical presentations are available on the NCC website (www.cptechcenter.org/ncc).

2017 marked the 20th anniversary of the formation on MC²/NC². The first meeting of the Midwest Concrete Consortium was held in Olympia Fields, IL and consisted of the 10 state members of FHWA Regions 5 and 7 as well as industry and academia. 32 individuals attended the initial meeting. As MC² became more national, in 2008 it morphed into NC². A brief history of the consortium's formation and the first project site visit on K96 in 1997 was presented. Seven of the original 32 attendees were at the 2017 meeting.

The DOTs held a breakfast meeting the first day that included:

- CP Tech Center updates:
 - Peter Taylor reviewed Center funding, products, staff, consultants, and university research teams
 - Steve Tritsch on the status of the Aug 2016 survey and timeline for the **Fiber Reinforcement for Concrete Overlays and Bridges** project approved by the member states – completion date of Feb 2018
- Submitted State agenda items:
 - Dowel bars with alternative materials. Task force including: Steve Tritsch//Maria Masten to chair; Mehdi Parvini, Neal Fannin, Mark Russell (Brett Trautman and Kevin McMullen were added during the business meeting discussion)
 - Michigan – mixing water requirements
 - Michigan – aggregate availability and alternates
 - Indiana – clearinghouse for pavement cross sections

- Illinois Tollway – web-based databases
- Illinois Tollway – use of LCCA

The general session consisted of 29 topics covered by 13 from state agencies, 4 from FHWA, 6 from academia, and 4 from the industry sector. The technical tour was adjusted due to rainfall to visit the Oldcastle precast facility in Ogden, Utah.

Meeting highlights include the following:

- Update of the K96 High Performance Concrete Pavement built in 1997 with 12 test sections each approximately 3000 feet in length that included two-lift construction with RAP.
- FHWA updates on the Sustainable Pavement Program, the Mobile Concrete Lab, HIPERPAVE, and PEM.
- State reports on: bridge deck overlays/approaches; precast concrete pavements; polyester concrete, early opening to traffic of pavement patches, early-age response to fatigue loading; concrete shrinkage and its relationship to internal curing; NRRRA update; RCC future, results from LTRC’s accelerated loading facility; Texas ASR exposure sites update; implementing AASHTO PP65; and revision to AASHTO M254 regarding dowel bars.
- Academia reports on: laboratory and fatigue evaluation of continuously fiber reinforced concrete pavement; emerging VCMD and ACCT test methods for formulating performance based ASR-resistant concrete mixes; and shrinkage testing.
- Industry reported on: today’s fly ash with a look toward tomorrow’s fly ash, ASR harmonization with ASTM; and the Mountain View Corridor project.
- Revising AASHTO M254 to include alternate type dowel bars
 - Task Force established to develop work plan:
 - Funding may include a state funding and industry contributions
 - Report back at the Fall meeting
- Election of new Executive Board members was held, and the following members now serve on the Executive Board:

Name	Organization	E-Mail	Representing	Term Expires
Neal Fannin	PA DOT	nfannin@pa.gov	AASHTO Region 1-2	2019
Drew Waldrop	AL DOT	waldropa@dot.state.al.us	AASHTO Region 1-2	2018
James Krstulovich	IL DOT	james.krstulovich@illinois.gov	AASHTO Region 3	2019
Dan Miller	OH DOT	daniel.miller@dot.ohio.gov	AASHTO Region 3	2018
Lieska Halsey	NE DOT	lieska.halsey@nebraska.gov	AASHTO Region 4	2019
Bryan Lee	UT DOT	bryanlee@utah.gov	AASHTO Region 4	2018
Maria Masten	MN DOT	maria.masten@state.mn.us	Chair	2019
Mike Byers	IN ACPA	mbyers@pavement.com	Contractor	2019
Al Innis	LafargeHolcim	al.innis@lafargeholcim.com	Supplier	2019
Tyler Ley	OK State	tyler.ley@okstate.edu	Academia	2018
Jim Mack	CEMEX	jamesw.mack@cemex.com	At-Large	2018
Gina Ahlstrom	FHWA	gina.ahlstrom@dot.gov	FHWA ex-officio	
Steve Tritsch	CP Tech Center	stritsch@iastate.edu	CP Tech Center ex-officio	

A special thanks to outgoing board members Tommy Nantung, Mehdi Parvini, Matt Ross, and Nilesh Surti, for their effort in making the NC² programs of value to all the participants.

A final note about upcoming meetings: the fall 2017 NC² meeting will be held in Minneapolis, MN, on September 19-21, 2017. The 2018 NC² meetings will be held in Idaho in the spring and in New York in the fall.