

TTCC Pooled Fund States Meeting Update

Saratoga Springs, New York
September 18, 2018 – 7:30 – 9:30 am

National Concrete Pavement
Technology Center

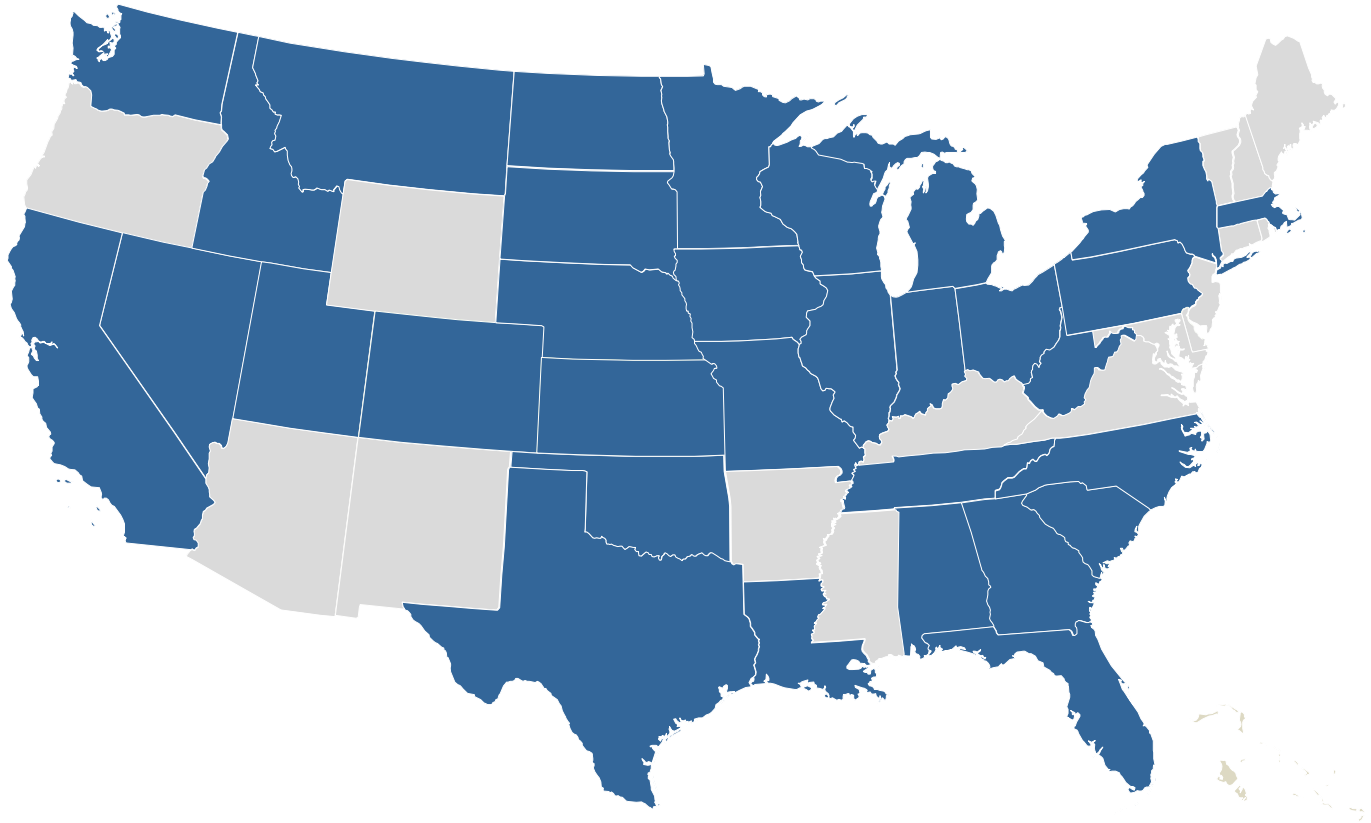


IOWA STATE UNIVERSITY
Institute for Transportation

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TTCC Pooled Fund States

33 States + IL Tollway



Listserv Survey



- LA Sampling Rates Question
- NE Pavement Design Question
- PA BCOA Longitudinal Joint Detail
- TX Optimal Chemical Requirements for Fly Ash
- WI Barrier Wall Temp Spec

From the Spring Meeting in Coeur d'Alene

Identify Topics of Interest for: Research/Synthesis/Training

- Pavements

- Preservation
- Overlays
- Design features

- Structures

- Curing
- Distresses
- Preservation

CHECKLIST

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- Bring ideas to the Fall Meeting in Saratoga Springs

- Or speak to: Peter, Gordon, Steve, Jerod

Fiber Reinforcement Tool and Tech Brief for Concrete Overlays and Bridge Decks

- TACs Established for Pavements and Bridge Decks
 - Pavement Calls
 - Bridge Calls
- Research Team
 - Jeff Roesler, Ph.D., P.E., University of Illinois
 - Amanda Bordelon, Ph.D., P.E., University of Utah
 - Armen Amirkhanian, Ph. D., University of Alabama
 - Jerod Gross, Snyder & Associates
- Completion – December 31, 2018
- Contract Amount - \$117,583

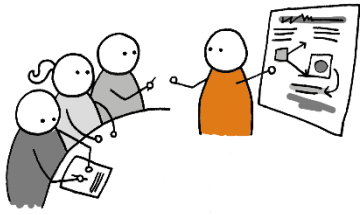


Peer-to-Peer Meetings and Update Checklist

- ACPA (Larry Scofield) and NCPP
- Update 10 HMA Inspector Checklist
- Update 5 PCCP Checklist
 - Partial Depth Repair
 - Full Depth Repair
 - Diamond Grinding
 - DBR
 - Joint Sealing
- Two additional
 - Cross Stitching
 - Grooving
- Checklist Will Be App Based with Links
- 7 Partnership Workshops
 - NACE
 - 4 Regional PPP Meetings NEPPP, SEPPP, RMWPPP, MPPP in Madison Nov 6-9
 - 2 NC² Meetings Fall 2018 17 states, 27 attendees Spring 2019
- Add 6 HMA Checklists
- Regional Peer-to-Peer Meetings
 - Scheduled, DE, GA, KY, LA, ND, and NH
 - 4 More to Schedule
- Completion Date – 8/6/2019

TPF-5(313) Technology Transfer Concrete Consortium (TTCC)

- 1st Pooled Fund was TPF-5(159)
 - 18 states in 2008
 - 28 states in 2015
- Limited 5 Year Study 2015-2019
- Lead Agency
 - Iowa DOT
 - Khyle Clute, Khyle.Clute@iowadot.us
- FHWA
 - Technical Liaison
 - Mike Praul, Michael.Praul@dot.gov
- 1st Representative - \$8,000, 2nd & Subsequent Representatives \$4,000 each



Training!

- Funding available to provide 1 training event for each state.
- Tell us when and pick your topic...
 - IMCP (new!)
 - Best Practices
 - Materials and Mixtures
 - Recycled Concrete Aggregate
 - Cement Based Systems
 - Inspectors Workshop
 - Overlays
 - Preservation

[TRAINING OPPORTUNITIES AVAILABLE TO
TTCC STATES]

**INTEGRATED MATERIALS AND CONSTRUCTION PRACTICES FOR CONCRETE PAVEMENT-
(IMCP) (2018)**

The 2007 manual has been reviewed and refreshed to ensure that the latest technology and methods have been included. The document is intended as both a training tool and a reference to help people involved with designing and building concrete pavements to use the latest in best practices. A two-day workshop works through the high points of the manual to help readers:

- ❖ Understand concrete pavement construction as an integrated system involving several discrete practices that interrelate and affect one another in various ways.
- ❖ Understand and implement technologies, tests, and best practices to identify materials, concrete properties, and construction practices that are known to optimize concrete performance.
- ❖ Avoid or reduce factors that lead to premature distress.
- ❖ Access how-to and troubleshooting information.

Ten modules address the following topics:

1. Sustainability
2. Design of Concrete Pavements
3. Fundamentals of Materials Used for Concrete Pavements
4. Basics of Cement Hydration
5. Fresh Concrete Properties
6. Hardened Concrete Properties
7. Mixture Design and Proportioning
8. Construction of Concrete Pavements
9. Quality and Testing
10. Troubleshooting

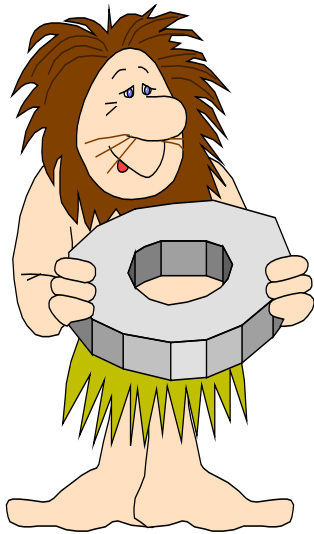
BEST PRACTICES WORKSHOP

These materials were developed as part of an FHWA IDIQ contract and presented in four states to encourage the adoption of best practices in everyday work. Each topic is accompanied with a tech brief published by FHWA. The topics covered in a one-day workshop include:

- ❖ Materials-Related Distress-Aggregates, FHWA-HIF-15-013
- ❖ Materials-Related Distress-Hardened Cement Paste, FHWA-HIF-15-018
- ❖ Blended Aggregates for Concrete Mixture Optimization, FHWA-HIF-15-019
- ❖ Supplementary Cementitious Materials, FHWA-HIF-16-001
- ❖ Dowel Basket Anchoring Methods, FHWA-HIF-16-021
- ❖ Effective Quality Assurance for Concrete Paving Operations, FHWA-HIF-16-002

Page Break

Thanks for your time



Spring Meeting
April 2-4, 2019
Sheraton Denver West Hotel
360 Union Blvd
Lakewood, Colorado

Fall 2019 Meeting in Montana



www.cptechcenter.org

