

FHWA Program Update



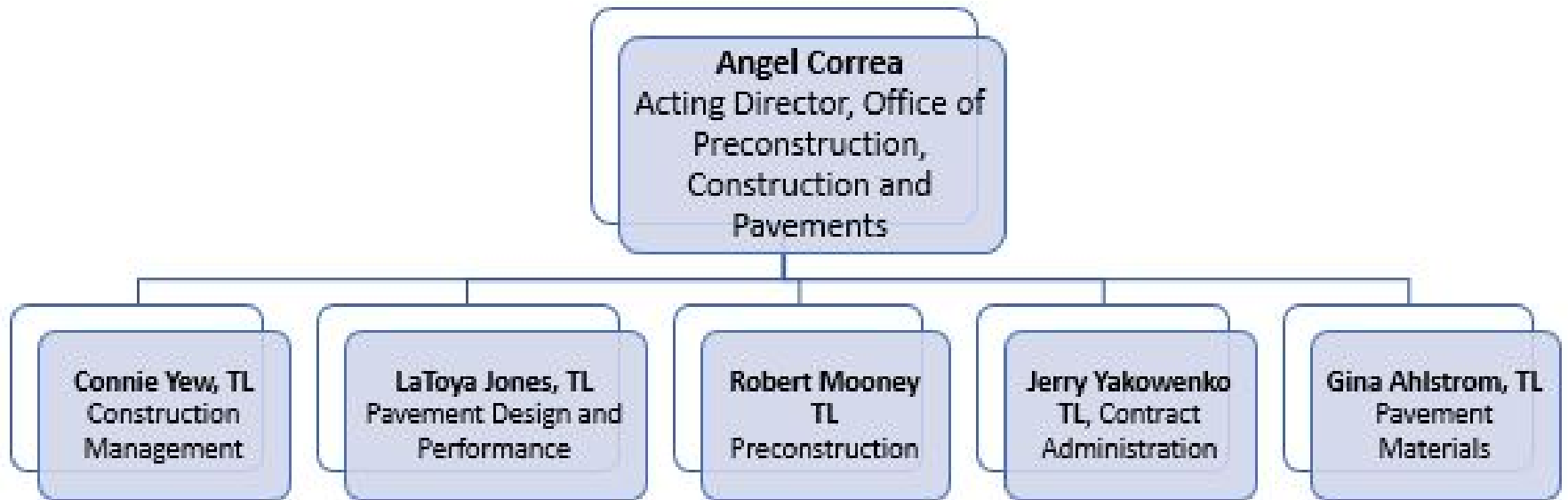
MICHAEL F. PRAUL, PE
SENIOR CONCRETE ENGINEER
FHWA, OFFICE OF INFRASTRUCTURE



U.S. Department of Transportation
Federal Highway Administration
Office of Infrastructure

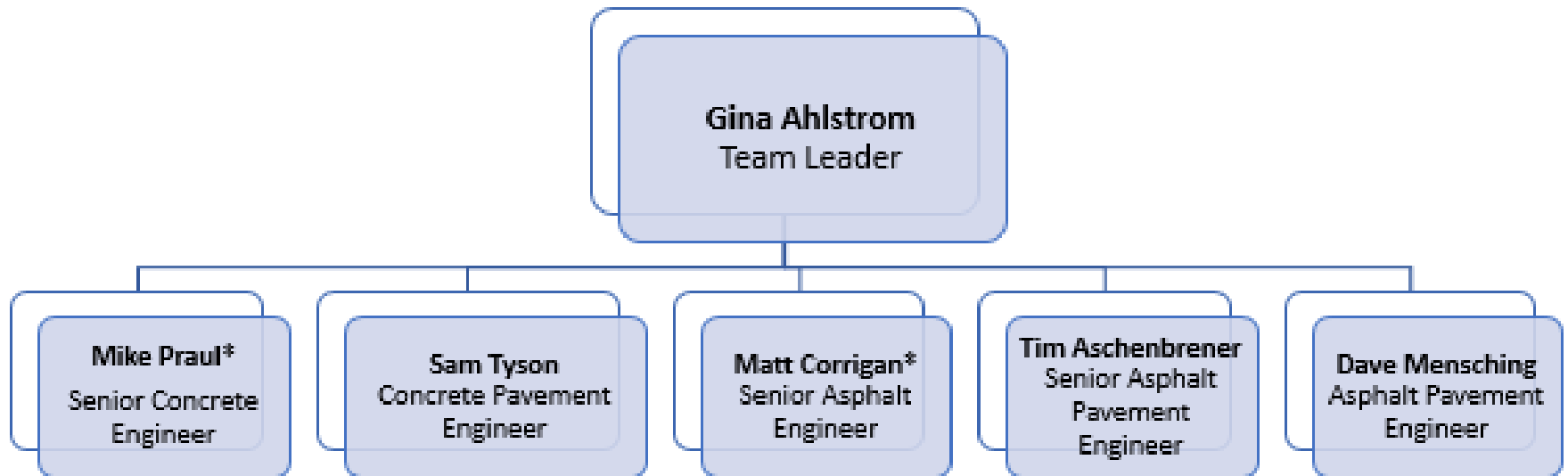
Office of Preconstruction, Construction, and Pavements

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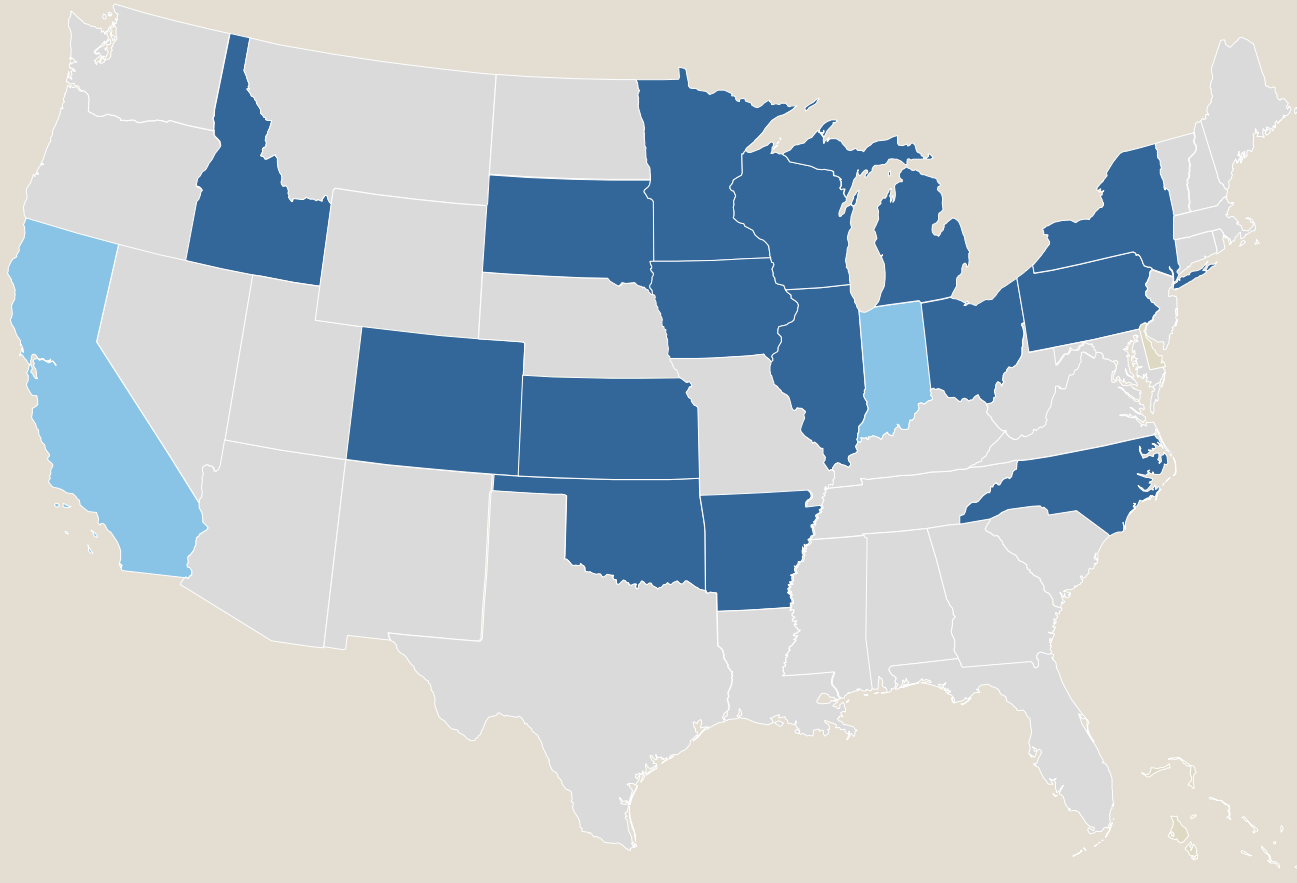
Pavement Materials Team

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PEM Pooled Fund Participants

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15 States + FHWA & Industry (December 2017)

PP 84 Implementation Incentive Funds

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- Available to pooled fund participating states
- \$40,000 for two or more new tests in the mix design/approval process (shadow testing acceptable)
- \$20,000 for one or more new tests in the acceptance process (shadow testing acceptable)
- \$20,000 for requiring an “enhanced” QC Plan from the contractor
- \$20,000 for requiring the use of control charts
- Report required within 4 months of construction

PEM Incentive Implementation Funds

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- Four states (+1): Categories A, B, C, and D
- One state: A, B, D
- Two states: A, B
- Three states: Currently considering application
- Two states: No submittal (no appropriate concrete paving project)
- Two states: ????????????????

- Program extension

PEM Implementation Report Information

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- Project info
- Mix design
- Production facility info
- Production mix test results vs. mix design tests
- PP 84 test data, including shadow test results
- QC Plan
- QC test results and control charts
- Summary of state oversight of QC processes
- Feedback from states and contractors on PP 84 tests and changes to QC practices

2018 MCT State Site Visits

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- Colorado (TFHRC)
- Minnesota
- Iowa
- Texas (TFHRC)
- Idaho
- Florida



Images FHWA unless otherwise noted.

MCT Colorado Site Visit

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- **Typical site visit testing**
- **Additional testing to support PRS models**
- **Real time smoothness demonstration**
 - Equipment available through MCT Program
- **Videos on MCT and concrete testing**
- **CP Tech Center staff (PEM coordination)**
- **Dave Heisler, ATI**
- **Tim Aschenbrener, FHWA MATT**
- **Lisa McDaniel**

Videos

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- ARA, Inc. under contract managed by Tom Yu
- 10 topics pre-selected, up to 10 topics TBD
- MCT visit to Colorado
 - Workability: Box and V-Kelly
 - Durability: SAM and Surface Resistivity
 - Real time smoothness
 - NDT: MIT Scan 2, MIT Scan T3, MIRA
 - MCT informational



Image Pixabay

Lisa McDaniel

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2018 Conferences

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- **Maryland Concrete Conference**
- **NY Construction Materials Association Technical Conference**
- **Texas Concrete Conference**
- **ASCE Indiana State Section Annual Meeting**
- **Roadway Management Conference (PA)**

Equipment Loan Program

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- States **or industry** can borrow MCT equipment
- MCT staff will provide training, if desired
- PEM/PP 84 focus
- New equipment purchase for Spring 2018
- Currently enhancing information on our website



Questions?

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Image Pixabay

- **Contact info**

Michael.Praul@dot.gov

207-512-4917