

TRANSPORTATION POOLED FUND PROGRAM QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): IOWA DOT

INSTRUCTIONS:

Project Managers and/or research project investigators should complete a quarterly progress report for each calendar quarter during which the projects are active. Please provide a project schedule status of the research activities tied to each task that is defined in the proposal; a percentage completion of each task; a concise discussion (2 or 3 sentences) of the current status, including accomplishments and problems encountered, if any. List all tasks, even if no work was done during this period.

Transportation Pooled Fund Program Project # TPF-5(437)	Transportation Pooled Fund Program - Report Period: Quarter 1 (January 1 – March 31) Quarter 2 (April 1 – June 30) Quarter 3 (July 1 – September 30) X Quarter 4 (October 1 – December 31)	
Project Title: Technology Transfer Concrete Consortium (TTCC) TPF-5(437)		
Project Manager: Khyle Clute	Phone: 239-1471	E-mail: khyle.Clute@iowadot.us
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Lead Agency Project ID:	Other Project ID (i.e., contract #): Addendum 732	Project Start Date: 2/5/20
Original Project End Date:	Contract End Date: 09/30/2026	Number of Extensions: Incremental funding, PFS

Project schedule status:

On schedule On revised schedule Ahead of schedule Behind schedule

Overall Project Statistics:

Total Project Budget	Total Cost to Date for Project	Total Percentage of Work Completed
\$2,326,402	\$2,187,319	80

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$117,038	N/A	10

Project Description:

Increasingly, state departments of transportation (DOTs) are challenged to design and build longer life concrete pavements that result in a higher level of user satisfaction for the public. One of the strategies for achieving longer life pavements is to use innovative materials and construction optimization technologies and practices. In order to foster new technologies and practices, experts from state DOTs, Federal Highway Administration (FHWA), academia and industry must collaborate to identify and examine new concrete pavement research initiatives. The purpose of this pooled fund project is to identify, support, facilitate and fund concrete research and technology transfer initiatives.

The goal of the TTCC is to:

- Identify needed research projects
- Develop pooled fund initiatives
- Provide a forum for technology exchange between participants
- Develop and fund technology transfer materials
- Provide on-going communication of research needs faced by state agencies to the FHWA, industry, and CP Tech Center

Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):

- CP Tech Center and Braun Intertec staff worked together to identify and confirm sources of materials for use in Braun's contract for lab services related to cementitious materials & concrete mix consistency. Testing is on track to begin in January.
- Workshops were held for the following state DOTs:
 - Texas
 - October 29th in Austin
 - Instructors: Matt Fonte and Jerod Gross
 - Topic: Concrete Batch Plant Training
 - Wyoming
 - November 3rd-4th in Riverton
 - Instructors: Kevin McMullen and Matt Zeller
 - Topic: Integrated Materials and Construction Practices
 - Nebraska
 - November 18th in Louisville
 - Instructors: Dan King and Leif Wathne
 - Topic: Concrete Pavement Sustainability
- Publication of the Fall 2025 MAP Brief, *Quality Assurance and Quality Control for Concrete Pavement Projects: New Tools and Resources*: https://www.intrans.iastate.edu/wp-content/uploads/2025/10/QA_and_QC_for_Concrete_Pvmt_Projects_fall_2025_MB.pdf

Anticipated work next quarter (January - March):

- Continued monitoring of the lab work on cementitious materials & concrete mix consistency.
- Continued meetings of the steering committee regarding the project to examine the implementation of blended cements.
- Publication of a Winter MAP Brief authored by NCE on the NCHRP SPS-2 concrete pavement test sections.

Significant Results:

See <http://www.cptechcenter.org/ncc/TTCC-NCCMeetings.cfm>

Circumstance affecting project or budget (Describe any challenges encountered or anticipated that might affect the completion of the project within the time, scope, and fiscal constraints set forth in the agreement, along with recommended solutions to those problems). N/A