

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: X Quarter 1 (January 1 – March 31) Quarter 2 (April 1 – June 30) Quarter 3 (July 1 – September 30) 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
Project Investigator: John Adam	Phone: 294-3781	E-mail: jfadam@iastate.edu
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.):

- Braun Intertec began performing testing under their contract for lab services related to evaluation of blended cements and their impacts on fresh properties of mortar mixtures. CP Tech Center staff held regular meetings (every two weeks) with Braun to monitor progress and answer questions.
- Larry Sutter continued analysis of blended cement production data under his contract for evaluating data collected from North American cement producers. A stakeholder group consisting of TTCC and industry representatives met virtually on March 25th to review preliminary results to date.
- Publication of the Winter 2026 MAP Brief, *SPS-2 Test Sections of the Long-Term Pavement Performance (LTPP) Program*: https://www.intrans.iastate.edu/wp-content/uploads/2026/02/SPS-2_test_sect_of_the_LTPP_progam_winter_2026_MB.pdf

Anticipated work next quarter (April - June):

- Continued monitoring of Braun's 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 e-news and a Spring MAP Brief. The MAP Brief will be authored by Jerod Gross on partial-depth repair of concrete pavements.

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