

## 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.*

<b>Transportation Pooled Fund Program Project #</b> TPF-5(437)	<b>Transportation Pooled Fund Program - Report Period:</b>  <input checked="" type="checkbox"/> Quarter 1 (January 1 – March 31, 2023) <input type="checkbox"/> Quarter 2 (April 1 – June 30, 2023) <input type="checkbox"/> Quarter 3 (July 1 – September 30, 2023) <input type="checkbox"/> Quarter 4 (October 1 – December 31, 2023)	
<b>Project Title:</b> Technology Transfer Concrete Consortium (TTCC) TPF-5(437)		
<b>Project Manager:</b> Khyle Clute	<b>Phone:</b> 239-1471	<b>E-mail:</b> khyle.Clute@dot.iowa.gov
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<b>Lead Agency Project ID:</b>	<b>Other Project ID (i.e., contract #):</b> Addendum 732	<b>Project Start Date:</b> 2/5/20
<b>Original Project End Date:</b>	<b>Contract End Date:</b> 12/31/24	<b>Number of Extensions:</b> 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
\$797,000	\$696,434	NA

**Quarterly** Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$82,707	N/A	N/A

**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.):**

- Final planning for the Spring 2023 meeting in Savannah, April 11-13
- Travel arrangements for 64 state reps
- The meeting will be at the Desoto Savannah.
- Information and PowerPoints from previous meetings are available: <https://cptechcenter.org/nc2-meetings/>
- Arkansas has joined the TTCC for 2023.
- Additional time & budget for 2023 was signed
- E-news and MAP Brief was published in January: MAP Brief: <https://mailchi.mp/336c2c2d8b1e/winter-2023-nc2-news?e=1a41ef7ef8>
- The News from the Field included (links available <https://mailchi.mp/336c2c2d8b1e/winter-2023-nc2-news?e=1a41ef7ef8>)
  - **Evaluation of Concrete Pavement Buckling in Wisconsin**
  - **Use of Recycled Concrete Aggregate in Concrete Pavement Mixes:** Middle Tennessee State University
  - **Optimal Approach for Addressing Reinforcement Corrosion for Concrete Bridge Decks in Illinois:** Illinois Center for Transportation at University of Illinois
  - **Evaluation of Sustainable and Environmentally Friendly Stabilization of Cohesionless Sandy Soil for Transportation Infrastructure:** Texas A&M University
  - **Plant Bowen Will Showcase Largest Coal Ash Beneficial Use Project in the US**
  - **Evaluation of Penetrating Sealers for Concrete**

**Anticipated work next quarter (January-March):**

- Spring 2023 meeting in Savannah, April 11-13.
- E-news and MAP Brief will be published during the next quarter.

**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

There are 35 TTCC TPF 5(437) TAC member states. Representative attendance varies by meeting.

State & # of Reps		State & # of Reps		State & # of Reps		State & # of Reps		State & # of Reps	
Alabama	2	California	3	Colorado	1	Florida	2	Georgia	4
Idaho	2	Illinois	2	Indiana	4	Iowa	2	Kansas	2
Kentucky	2	Massachusetts	2	Michigan	2	Minnesota	2	Missouri	1
Montana	2	Nebraska	2	Nevada	2	New York	2	North Carolina	2
North Dakota	1	Ohio	2	Oklahoma	2	Oregon	1	Pennsylvania	1
South Carolina	2	South Dakota	2	Tennessee	2	Texas	4	Utah	1
Washington	1	West Virginia	2	Wisconsin	1	Wyoming	1	Arkansas	1