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, 2024) Quarter 2 (April 1 – June 30, 2024) X Quarter 3 (July 1 – September 30, 2024) Quarter 4 (October 1 – December 31, 2024)

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:

X 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
$2,149,403	$1,747,377	NA

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
$183,623	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.):

- The Fall meeting of NC2 was held in conjunction with the 13th International Society for Concrete Pavements conference, *Innovative Paths to Lower Carbon in Concrete Pavements*. The meeting was held in Minneapolis on August 25-29, 2024
- The conference had over 380 participants from more than 20 countries. Included in that number were 65 reps from 34 state DOTs as participants from the TTCC.
- A half day meeting for TTCC state reps was held. The agenda from the meeting and the PowerPoint presentations are available on https://cptechcenter.org/nc2-meetings/
- Many of the DOT attendees participated in the conference with a poster display; copies of those posters are also on the website.
- The Spring meeting will be held in Rosemont (Chicago), April 8-10, 2025
- E-News and MAP Brief published this quarter are available: https://cptechcenter.org/nc2-news/
  - Map Brief on Sustainable Pavements: CRCP Across Texas
  - E-News from the field includes:
    - FHWA Bridge Preservation Research Roadmap
    - Commentary on AASHTO R 101, Developing Performance Engineered Concrete Pavement Mixtures
    - Commentary on AASHTO R 101, Developing Performance Engineered Concrete Pavement Mixtures
    - Use of Industrial Byproducts in Concrete Paving Applications
    - MIT Conductive Concrete Consortium Cements Five-Year Research Agreement with Japanese Industry
    - Video: Implementation of Concrete Overlay Evaluation and Design 5-6910-01 (CRCP Overlay in Paris, Texas)

Anticipated work next quarter (October - December):

- Planning for Spring meeting will continue.
- Planning for Fall 2025 meeting will begin.
- 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.

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