

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, 2020) Quarter 2 (April 1 – June 30, 2020) Quarter 3 (July 1 – September 30, 2020) X Quarter 4 (October 1 – December 31, 2020)	
Project Title: Technology Transfer Concrete Consortium (TTCC) TPF-5(437)		
Project Manager: Khyle Clute	Phone: 239-1471	E-mail: khyle.Clute@dot.iowa.gov
Project Investigator: Steve Tritsch	Phone: 294-3781	E-mail: stritsch@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: 2/5/22	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
\$412,000	\$125,665.01	NA

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$24,457.01	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 2020 E-News](#) was published, as well as the [Fall 2020 MAP Brief: Overview of Cement-Stabilized Subgrade Soils](#).
- TTCC TAC state pooled fund representatives met on Thursday, October 15, via WEBEX. Summary:
 - Spring 2021 NC² meeting will be held virtually on April 13-15, 2021 due to COVID-19 travel and meeting restrictions.
 - Research syntheses updates – Researchers to present on their projects at Spring 2021 NC² meeting.
 - Geotextile interlayer project update - Lab work completed includes measurement of deflections of geotextile under load and determination of heat storage. Work is ongoing to measure heat transfer parameters. Findings to date will be presented on Spring 2021 NC² virtual meeting.
- NC² listserv questions from multiple agencies were posted on NC² [website](#).
- An executive committee meeting was held on December 15, 2021. Spring 2021 virtual NC² meeting agenda was discussed.

Anticipated work next quarter:

- E-news and MAP Brief will be published during the next quarter.
- Executive committee meeting will be scheduled for early February to finalize any agenda items for the Spring NC² meeting.
- Spring NC² meeting agenda will be posted online and webinar registration information distributed.
- CP Tech Center to contact Embassy Suites Hotel – Nashville regarding postponing the group's commitment to meet at that facility until spring 2022 due to the COVID-19 pandemic.

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 34 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	4
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	1	Utah	1
Washington	1	West Virginia	1	Wisconsin	1	Wyoming	1		