

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(313)	Transportation Pooled Fund Program - Report Period: Quarter 1 (January 1 – March 31, 2016) Quarter 2 (April 1 – June 30, 2016) <input checked="" type="checkbox"/> Quarter 3 (July 1 – September 30, 2016) Quarter 4 (October 1 – December 31, 2016)	
Project Title: Technology Transfer Concrete Consortium (TTCC) TPF-5(313)		
Project Manager: Brian Worrel	Phone: 239-1471	E-mail: brian.worrel@dot.iowa.gov
Project Investigator: Peter Taylor	Phone: 294-9333	E-mail: ptaylor@iastate.edu
Lead Agency Project ID: RT 0273	Other Project ID (i.e., contract #): Addendum 532	Project Start Date: 2/5/15
Original Project End Date:	Contract End Date: 12/31/2016	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
\$568,000	\$450,205.52	NA

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$116,255.10	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
- Provide guidance as part of the Track Team for the CP Road Map Mix Design/Analysis Track
- Provide assistance as requested by the CP Road Map Executive Committee on other select tracks

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

- Training webinars have been held and recordings of the webinars are available: <http://www.cptechcenter.org/webinars/>
 - Internal Curing
 - Introduction to Recycling of Concrete Pavements
 - Materials-related Concrete Pavement Distresses
 - Aggregates (Gradation Fundamentals)
- The Fall 2016 meeting was held in August 29-Sep 1st in San Antonio, in conjunction with the 11th International Conference on Concrete Pavements (ICCP).
- Information on the meeting is available: <http://www.cptechcenter.org/ncc/TTCC-NCC-2016.cfm>. This includes meeting highlights, PowerPoint presentations, posters exhibited, and survey results.
- The TTCC reps had a state's only meeting during the conference. One of the items for discussion was a pooled fund project on Performance Engineering Mixtures. The state reps asked for additional information on the project and deliverables.
- The Spring 2017 meeting will be in Salt Lake City, April 25-27.

Anticipated work next quarter:

- Continue planning the agenda for the Spring meeting
- Signing contracts for hotel and making other arrangements for field trip
- In October and November additional webinars on Internal Curing, Recycling of Concrete Pavements, and Supplementary Cementitious Material will be held

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).

TTCC TPF 5(313) TAC members are meeting attendees from the 30 member states. Attendance varies by meeting.

	TTCC States TPF 5(313)	Number of Representatives
1	Alabama	2
2	California	1
3	Colorado	2
4	Florida	2
5	Georgia	2
6	Idaho	2
7	Illinois	2
8	Indiana	3
9	Iowa	2
10	Kansas	2
11	Louisiana	2
12	Michigan	2
13	Minnesota	2
14	Missouri	1
15	Montana	2
16	Nebraska	1
17	Nevada	1
18	New York	1
19	North Carolina	2
20	North Dakota	1
21	Ohio	2
22	Oklahoma	2
23	Pennsylvania	1
24	Rhode Island	1
25	S Dakota	2
26	Tennessee	2
27	Texas	2
28	Utah	1
29	Washington	1
30	Wisconsin	1