

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.

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|--|---|--|
| Transportation Pooled Fund Program Project # TPF-5(313) | Transportation Pooled Fund Program - Report Period: Quarter 1 (January 1 – March 31, 2017) Quarter 2 (April 1 – June 30, 2017) X Quarter 3 (July 1 – September 30, 2017) Quarter 4 (October 1 – December 31, 2017) | |
| 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: Steve Tritsch | Phone: 294-8103 | 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: 12/31/2018 | 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 |
|----------------------|--------------------------------|------------------------------------|
| \$920,417 | \$648,056 | NA |

Quarterly Project Statistics:

| Total Project Expenses This Quarter | Total Amount of Funds Expended This Quarter | Percentage of Work Completed This Quarter |
|-------------------------------------|---|---|
| \$32,826 | 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.):

- The Fall meeting was held in Minneapolis, September 19-21
- The meeting attendance was a record 171, with 64 attendees from state DOTs
- First time attendance for 7 state reps including 2 from South Carolina who just joined
- Non-member states, West Virginia and Kentucky were in attendance
- Massachusetts has recently joined and both New Hampshire and Hawaii have expressed interest in joining the pooled fund
- The notes from Tuesday morning's meeting for DOT reps are attached, while the remaining presentations can be found at: <http://www.cptechcenter.org/ncc/TTCC-NCC-2017.cfm>

Anticipated work next quarter:

- Completing the reimbursements for the Fall meeting.
- Begin work on the Spring meeting being held in Coeur d'Alene, Idaho, April 24-26

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 32 member states. Attendance varies by meeting.

| | | |
|----|----------------|---|
| 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 | Massachusetts | 3 |
| 13 | Michigan | 2 |
| 14 | Minnesota | 2 |
| 15 | Missouri | 1 |
| 16 | Montana | 2 |
| 17 | Nebraska | 1 |
| 18 | Nevada | 1 |
| 19 | New York | 1 |
| 20 | North Carolina | 2 |
| 21 | North Dakota | 1 |
| 22 | Ohio | 2 |
| 23 | Oklahoma | 2 |
| 24 | Pennsylvania | 1 |
| 25 | Rhode Island | 1 |
| 26 | South Carolina | 2 |
| 27 | South Dakota | 2 |
| 28 | Tennessee | 2 |
| 29 | Texas | 2 |
| 30 | Utah | 1 |
| 31 | Washington St | 1 |
| 32 | Wisconsin | 1 |