

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(286)		Transportation Pooled Fund Program - Report Period: Quarter 1 (January 1 – March 31, 2018) Quarter 2 (April 1 – June 30, 2018) Quarter 3 (July 1 – September 30, 2018) X Quarter 4 (October 4 – December 31, 2018)	
Project Title: Next Generation Concrete Pavement Road Map			
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	Other Project ID (i.e., contract #): Addendum 482	Project Start Date: 9/15/13	
Original Project End Date:	Project End Date: 3/31/19	Number of Extensions: Pooled fund project – yearly budgets	

☒ 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
\$635,000	\$566,454.05	N/A

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$32,188.89	N/A	N/A

Project Description:

This pooled fund project will carry on the work started by FHWA's initial Concrete Pavement Road Map Pooled Fund, TPF-5(185) and continue the effort to identify and prioritize needed research but will have a stronger focus on supporting the sponsoring states with technology deployment activities so that advancements in technologies can be implemented into practice.

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 with fewer resources. One of the strategies for achieving longer life pavements is to foster new technologies and practices. Experts from state DOTs, 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 concrete research, training and technology transfer needs through the CP Road Map.

Work under this task order relates to tasks 1 through 4.

1. Provide training workshops and/or webinars for each participating state on a topic of interest.
2. Develop specifications for new technologies
3. Maintain a database addressing research gaps
4. Conduct quarterly TAC

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

- Editing for grammar is complete and work has started on images and references.

E- News, Map Briefs, Training and Data Base

- Investigate recent concrete pavement related research for inclusion in the database.
The [December 2018 MAP brief](#) provides a summary of the performance and lessons learned from the SPS-2 test sections and includes highlights from the SPS-2 Tech Days.
<http://www.cproadmap.org/publications/MAPbriefDecember2018.pdf>

- Training - Webinar Training on Microfibers for Concrete Pavements. **Presenters Jeff Roesler (University of Illinois Urbana-Champaign) and Amanda Bordelon (Utah Valley University)**

This three-webinar series was sponsored by the CP Tech Center and are available on the CP Tech Center website. The series cover the following topics:

- October 24, 2018 - Fiber Reinforced Concrete Overview
- November 7, 2018 - Effects of Macrofibers on Behavior and Performance of Concrete Slabs and Overlays
- December 5, 2018 - Overview of Macrofiber Software and Guidelines for Concrete Overlay Design
- December's copy of the E-news can be found: http://www.cproadmap.org/publications/e-news_Dec2018.cfm
 - The latest CP Tech Center publications were highlighted
 - News from the Road: News from the Road highlights research around the country that is helping the concrete pavement community meet the research objectives outlined in the CP Road Map. The research projects and the summaries described herein are the products of the researchers and sponsors.

Anticipated work next quarter:

- **IMCP Manual-** Complete the revisions and editing for the IMCP manual.
- **E-News -**Develop the spring 2019 E-News

Significant Results: 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).

No budget issues.

TAC Members

Hanson, Todd / Iowa Department of Transportation	Todd.Hanson@dot.iowa.gov
Ligon, Larry / Pennsylvania Department of Transportation	laligon@pa.gov
Page, James / Georgia Department of Transportation	jpage@dot.ga.gov
Seward, Kenny / Oklahoma Department of Transportation	kseward@odot.org
Staton, John / Michigan Department of Transportation	statonj@michigan.gov
Merryman, Kevin / Iowa Department of Transportation	kevin.merryman@dot.iowa.gov