

## 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.*

<b>Transportation Pooled Fund Program Project #</b> TPF-5(313)	<b>Transportation Pooled Fund Program - Report Period:</b> Quarter 1 (January 1 – March 31, 2022) X Quarter 2 (April 1 – June 30, 2022) Quarter 3 (July 1 – September 30, 2022) Quarter 4 (October 1 – December 31, 2022)	
<b>Project Title:</b> Technology Transfer Concrete Consortium (TTCC) TPF-5(313)		
<b>Project Manager:</b> Khyle Clute	<b>Phone:</b> 239-1471	<b>E-mail:</b> Khyle.Clute@dot.iowa.gov
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<b>Lead Agency Project ID:</b> RT 0273	<b>Other Project ID (i.e., contract #):</b> Addendum 532	<b>Project Start Date:</b> 2/5/15
<b>Original Project End Date:</b>	<b>Contract End Date:</b> 5/31/2022	<b>Number of Extensions:</b> 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
\$2,114,000	\$2,070,918	NA

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$46,266	N/A	N/A

**Project Description:**

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

Results of each of the syntheses were on the agenda for the Spring NCC meeting in Nashville. PowerPoints from the researchers presentations and final reports:

- Shrinkage & Crack Free Bridge Decks: Jason Weiss
  - PPT: <https://intrans.iastate.edu/app/uploads/2022/04/08-Weiss-Reducing-Shrinkage.pdf>
- Pavement ME Upgrades: Georgene Geary
  - PPT: <https://intrans.iastate.edu/app/uploads/2022/04/07-Geary-Pavement-ME.pdf>
  - Report: [https://intrans.iastate.edu/app/uploads/2021/12/synthesis\\_of\\_changes\\_to\\_ME\\_Design\\_for\\_concrete\\_pavements\\_w\\_cvr.pdf](https://intrans.iastate.edu/app/uploads/2021/12/synthesis_of_changes_to_ME_Design_for_concrete_pavements_w_cvr.pdf)
- Maintaining Smoothness: Jerod Gross
  - PPT: <https://intrans.iastate.edu/app/uploads/2022/04/10-Gross-Maintaining-Smoothness.pdf>
  - Report: [https://intrans.iastate.edu/app/uploads/2022/03/maintaining\\_PCC\\_pvmt\\_smoothness\\_synthesis\\_w\\_cvr.pdf](https://intrans.iastate.edu/app/uploads/2022/03/maintaining_PCC_pvmt_smoothness_synthesis_w_cvr.pdf)
- Fast Setting Patching Materials: Tyler Ley
  - PPT: <https://intrans.iastate.edu/app/uploads/2022/04/09-Ley-Rapid-Setting-Materials.pdf>
  - Report: [https://intrans.iastate.edu/app/uploads/2022/02/rapid\\_setting\\_repair\\_materials\\_synthesis\\_w\\_cvr.pdf](https://intrans.iastate.edu/app/uploads/2022/02/rapid_setting_repair_materials_synthesis_w_cvr.pdf)
- Dowel Testing: Mark Snyder/ ACPA
  - PPT: <https://intrans.iastate.edu/app/uploads/2022/04/11-Snyder-Dowel-Specification.pdf>
  - Report: [https://intrans.iastate.edu/app/uploads/2021/11/structural\\_evaluation\\_of\\_dowel\\_load\\_transfer\\_systems\\_w\\_cvr.pdf](https://intrans.iastate.edu/app/uploads/2021/11/structural_evaluation_of_dowel_load_transfer_systems_w_cvr.pdf)

**Anticipated work next quarter: TPF 5-(313) is completed.**

**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**