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(517)*	**Transportation Pooled Fund Program - Report Period:** Quarter 1 (January 1 – March 31) Quarter 2 (April 1 – June 30) **X** Quarter 3 (July 1 – September 30) Quarter 4 (October 4 – December 31)	
Project Title: Performance Centered Concrete Construction		
Project Manager: Khyle Clute	**Phone:** --	**E-mail:** Khyle.Clute@iowadot.us
Project Investigator: Peter Taylor	**Phone:** --	**E-mail:** ptaylor@iastate.edu
Lead Agency Project ID:	**Other Project ID (i.e., contract #):** Addendum 903	**Project Start Date:** 08/01/2024
Original Project End Date: 12/31/2025	**Project End Date:**	**Number of Extensions:**

X 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
$129,994	$0	%

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
$0		%

Project Description:

The scope of work includes:

1. Gather input from Agencies, Contractors, Machine Manufacturers and Researchers to review what actions can be taken on the grade that affect sustainable pavement performance, and what data is needed to guide these actions. Tools needed to provide a feedback loop between the batch plant and the paver operator will be discussed, along with tools that can be used to assure that the finished concrete will perform satisfactorily with a focus on sustainability, for the design life of the pavement
2. Identify means to measure or inspect: uniformity, segregation, consolidation, air void systems, durability and strength, smoothness and cracking.
3. Develop guidance tools to ensure proper applications, preventative and remedial actions.

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

Project kickoff. Starting on the literature review, focusing on finding tools to measure the following properties:

* Curing
* Workability
* Consolidation
* Air void system
* Finishing timing

Anticipated work next quarter:

Continue literature search. TAC meeting planned for October 2024.

Significant Results:

None yet