

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 #	Transportation Pooled Fund Program - Report Period: Quarter 1 (January 1 – March 31, 2022) Quarter 2 (April 1 – June 30, 2022) x Quarter 3 (July 1 – September 30, 2022) Quarter 4 (October 4 – December 31, 2022)	
Project Title: Building Information Modeling (BIM) for Bridges and Structures		
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Project Investigator: Shauna Hallmark	Phone: 294-8103	E-mail: shallmar@iastate.edu
Lead Agency Project ID:	Other Project ID (i.e., contract #): Addendum 644	Project Start Date: 12/1/2017
Original Project End Date:	Project End Date: 11/30/2022	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
\$189,174	\$104,371	N/A

Quarterly Project Statistics:

Total Project Expenses This Quarter	Total Amount of Funds Expended This Quarter	Percentage of Work Completed This Quarter
\$9,490	N/A	N/A

Project Description:

The Institute for Transportation will provide facility coordination and financial assistance for this Pooled Fund Bridge Project, “Building Information Modeling (BIM) for Bridges and Structures for the Iowa Department of Transportation (Iowa DOT), and this project is being led by Annette Jeffers from the Iowa DOT. These efforts will entail providing support for two possible meetings.

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

- The team collected comments from the Pooled Fund states on the bridge element examples for the Unit Test Suite and is incorporating the comments.
- The team is developing a literature review synthesis in support of the ROI task, which has included the review of over 50 items from a range of sources, including open access journal articles, state and federally funded research, and international research.
- Development of the bridge design-to-construction MVD is in-progress. A quarterly online meeting was facilitated by the project team in August 2022

Anticipated work next quarter:

- We have started preparing for the Pool Fund Mid year meeting. We have several cost estimates from hotels at three site locations. The literature review synthesis will be finalized and submitted, and the team will continue work on the ROI task and MVD development.
- The BIM for Bridges and Structures Roadmap infographic will be updated to reflect recent and future milestones.
- A quarterly online meeting will be facilitated by the project team in October 2022.
- The team will continue to engage with buildingSMART and coordinate with the IFC 4.3 Program Board.

Significant Results:

We have cost estimates for various hotels at three different site locations.