

**TRANSPORTATION POOLED FUND PROGRAM  
QUARTERLY PROGRESS REPORT**

Lead Agency (FHWA or State DOT): Iowa DOT

**INSTRUCTIONS:**

Lead Agency contacts 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(546) Click or tap here to enter text.	<b>Transportation Pooled Fund Program - Report Period:</b> <input checked="" type="checkbox"/> Quarter 1 (January 1 – March 31) <input type="checkbox"/> Quarter 2 (April 1 – June 30) <input type="checkbox"/> Quarter 3 (July 1 – September 30) <input type="checkbox"/> Quarter 4 (October 1 – December 31)	
<b>TPF Study Number and Title:</b> TPF-5(546) and Transportation Material Resource Center (TMRC)		
<b>Lead Agency Contact:</b> Khyle Clute	<b>Lead Agency Phone Number:</b> --	<b>Lead Agency E-Mail</b> Khyle.Clute@iowadot.us
<b>Lead Agency Project ID:</b> --	<b>Other Project ID (i.e., contract #):</b> --	<b>Project Start Date:</b> 2/1/2025
<b>Original Project Start Date:</b> 2/1/2025	<b>Original Project End Date:</b> Click or tap to enter a date.	<b>If Extension has been requested, updated project End Date:</b> 3/31/2033

**Project schedule status:**

<input checked="" type="checkbox"/> On schedule	<input type="checkbox"/> On revised schedule	<input type="checkbox"/> Ahead of schedule	<input type="checkbox"/> Behind schedule
-------------------------------------------------	----------------------------------------------	--------------------------------------------	------------------------------------------

**Overall Project Statistics:**

Total Project Budget	Total Funds Expended This Quarter	Percentage of Work Completed to Date
1,600,000	2,507	8

## Project Description:

Departments of Transportation (DOTs) have shown a growing interest in harnessing the benefits of innovative materials in transportation infrastructure. However, without proper evaluation of these materials, DOTs remain hesitant to fully incorporate them into their infrastructure. The Transportation Materials Resource Center (TMRC) aims to reduce these hesitancies by evaluating potentially innovative construction and maintenance materials using life cycle analysis and materials assessments, sharing the results through information exchanges and development of standards and certifications for materials partner agencies would like to incorporate into their

## Progress this Quarter

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

It was decided to conduct a synthesis study on the following topics:

1. Recycled materials in concrete and asphalt
2. RCA and other recycled materials in pavement foundations
3. Aggregate Scarcity, Substitution, and System-Level Performance

The synthesis proposal will be submitted on May 10<sup>th</sup> 2026 by the MSU team.

The annual in-person meeting is scheduled for May 21<sup>st</sup> in East Lansing, MI.

## Anticipated work next quarter:

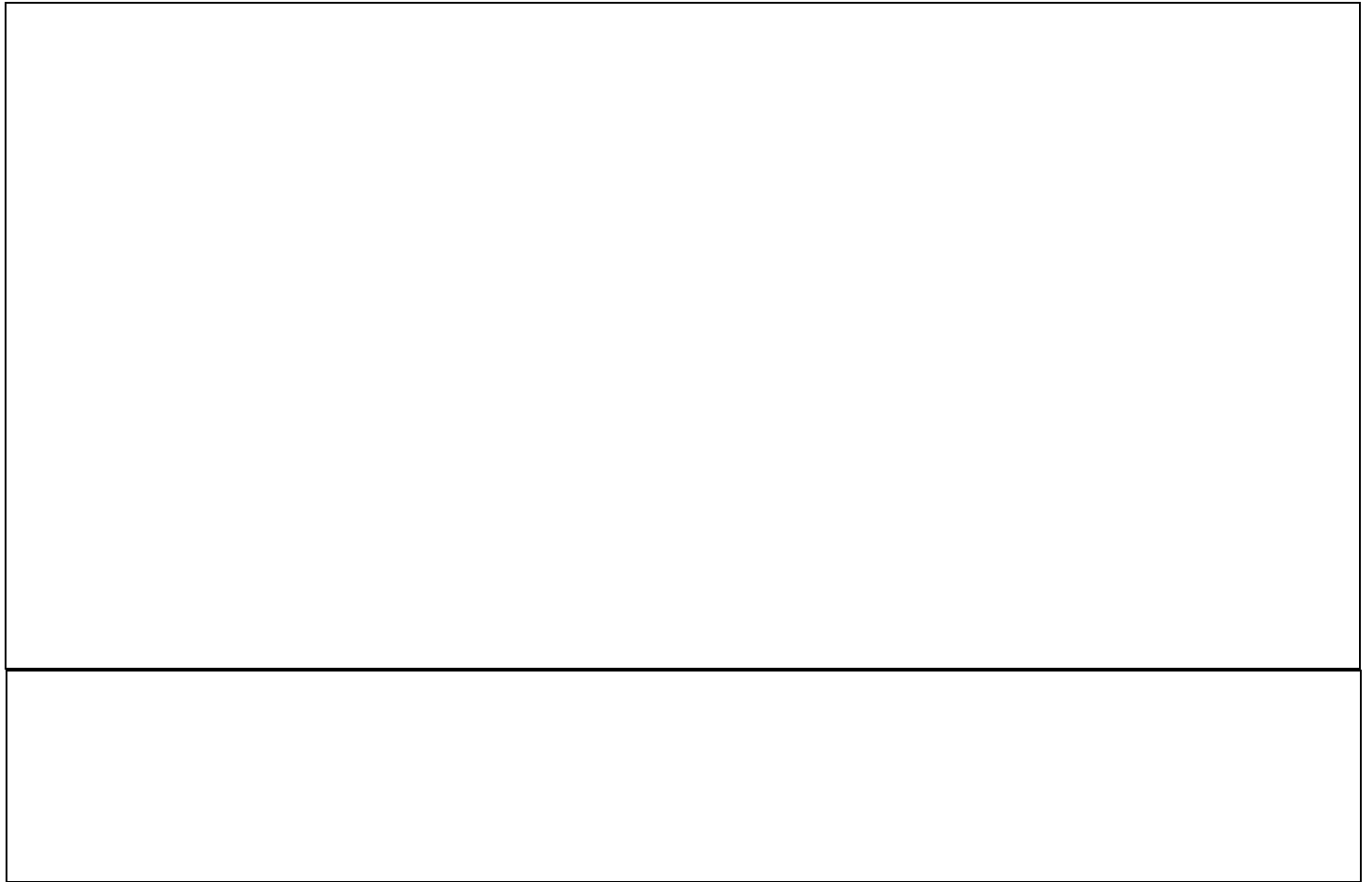
The annual meeting in-person will be held on May 21<sup>st</sup>, 2026 in East Lansing, MI. Research ideas will be selected for RFP preparation.

**Significant Results:**

Nothing to report yet.

**Circumstance affecting project or budget. (Please 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).**

Nothing to report yet.



**Potential Implementation:** The outreach and technology transfer efforts will be a cornerstone of TMRC’s mission. The TMRC Administrative team will be committed to disseminating research findings and fostering outreach at significant national events, as determined by the Executive Board. Active participation in developing new specifications, guidelines, and standards related to materials will persist through engagement with industry bodies such as the AASHTO-Subcommittee on Materials (SOM) and the ASTM Committee D18.14 during semi-annual meetings. Partnering organizations will be continually involved in TMRC’s mission through regular Executive Board meetings, quarterly (or more frequent as needed) sessions, and annual in-person meeting(s) at key events.

To ensure that the TMRC's knowledge remains accessible and up to date, the TMRC Administrative team will continuously enhance the TMRC website, offering a comprehensive and user-friendly resource. Furthermore, they will organize webinars and workshops upon request by the Executive Committee to facilitate knowledge transfer and address specific areas of interest. Recognizing the importance of responsive communication, the RMRC Administrative team will promptly address inquiries received through the website, emails, phone calls, or other channels. In addition, submission of quarterly reports detailing all research advancements and outreach/technology transfer activities will provide transparent progress updates. This commitment to robust outreach and technology transfer activities ensures that the knowledge and insights generated by TMRC are effectively shared and applied to benefit transportation infrastructure nationwide.