TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): WisDOT

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 # *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)* TPF-5(352)		**Transportation Pooled Fund Program - Report Period:** ☐ Quarter 1 (January 1 – March 31) ☐ Quarter 2 (April 1 – June 30) ☐ Quarter 3 (July 1 – September 30) ☑ Quarter 4 (October 1 – December 31)
Project Title: Recycled Materials Resources Center- Fourth Generation (RMRC-4G)		
Name of Project Manager(s): Edil/Pakes	**Phone Number:** 608-890-4966	**E-Mail** tbedil@wisc.edu angela.pakes@wisc.
Lead Agency Project ID: 0092-17-15	**Other Project ID (i.e., contract #):** AAC2312 MSN207489	**Project Start Date:** 4/17/17
Original Project End Date: 4/17/2022	**Current Project End Date:** 11/30/2022	**Number of Extensions:** 1

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	Percentage of Work Completed to Date
$382,932	$382,932	100%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$14,063 / 4%	$14,063	100%

Project Description:

The goal of RMRC-4G is to provide the resources and activities needed to break down barriers and increase utilization of recycled materials and industrial byproducts. This is being done through carefully integrated and orchestrated activities that include applied research in key areas relevant to transportation applications combined with outreach programs that provide the educational and technical resources needed to maximize the rate at which recycled materials and industrial byproducts are used in transportation applications.

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

• Completed RMRC project research administration meetings. Worked with GMU to receive final invoicing for their project and close out processes with GMU.

• RMRC Executive Board meeting and preparations. Held final project closeout meeting cover both projects below and the admin contract as well. Reviewed final report which combined both projects into one report.

* Use of Recycled Materials as MSE Retaining Wall Reinforced Backfills, Phase II: Full-Scale Testing
* MSE: RCA-Geotextile Interaction "Tufa"

• Reviewed 4G Program Closeout, expected deliverables in November and December.

• Added research inquiries to list of research needs. Will remain tracking and reporting for future considerations.

• Held meeting with VDOT.

• Continued work in ASTM on proposed Standard E850 Characterization of Inorganic Process Wastes for Use as Structural Fill.

• Received invitation to be editor in chief of a special issue on Recycled Materials in ASTM Geotechnical Testing Journal with Dr. Bora Cetin. An announcement was prepared for the invitation of abstracts.

• Held final closeout contracts meetings and wrapping invoices.

Anticipated work next quarter:

N/A for contract ending, but continuing certain activities for the benefit of the community:

* Continue identifying new topics and issues relating to recycling materials for highways applications for potential RMRC next generation.

* Continue work with ASTM on new recycled materials standards.

* Start the paper review process for the ASTM special issue on recycled materials.

Significant Results:

• Completed RMRC research administration meetings and final RMRC Executive Board meeting. Held final project closeout meeting cover both projects below and the admin contract as well. Reviewed final report which combined both projects into one report.

* Use of Recycled Materials as MSE Retaining Wall Reinforced Backfills, Phase II: Full-Scale Testing
* MSE: RCA-Geotextile Interaction "Tufa"

• Shared collected list of research ideas with members for future consideration.

• Responded to research ideas and collected information for future sharing.

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).

None.

Potential Implementation:

Several opportunities via implementation by DOTs and other agencies for each of the individual projects.