

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>(i.e., SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX))</i> TPF-5(352)		Transportation Pooled Fund Program - Report Period: <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)	
Project Title: Pre-Award for Recycled Materials Resources Center - Fourth Generation (RMRC-4G)			
Name of Project Manager(s): Angela Pakes Ahlman and Tuncer B. Edil	Phone Number: 608-890-4966	E-Mail angela.pakes@wisc.edu	
Lead Agency Project ID: TPF-5(352)	Other Project ID (i.e., contract #): AAC2745, AAC2312 (pre-award)	Project Start Date: January 1, 2017	
Original Project End Date: February 28, 2022	Current Project End Date: February 28, 2022	Number of Extensions: 0	

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
\$10,000	\$10,000	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
\$10,000; 100%	\$10,000	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.):

Applied for Sophomore Research Fellowship and Wisconsin Idea Fellowship related to recycled materials.

Held RMRC executive committee meeting at TRB 2017 in Washington DC. Recording meeting minutes, developed future RFP research ideas. Invited current and proposed members.

Reviewed draft RFP ideas and began refining by gathering research information from colleagues.

Developed 4G scope and proposal for the administrative work order.

Invited by the Nazarbayev University of Astana, Kazakhstan to present two seminars. One about the Characterization of Recycled Materials for Sustainable Road Construction and the other about Beneficial Reuse: the Life Cycle Assessment and Life Cycle Cost Analysis of Using Recycled Materials in Road Construction.

Prepared abstracts and research profiles of RMRC work for 4G projects.

Held weekly internal RMRC research administration meetings.

Wrote analysis, reviewed, and edited *Environmental Benefits of Cold In Place Recycling* for presentation to WisDOT.

Continued outreach activities in terms of attracting additional pool fund states and responding to queries received regarding various technical issues related to recycled materials.

Anticipated work next quarter:

Present seminars at Nazarbayev University of Astana, Kazakhstan.

Co-presentation at NRRA and begin preparation for ADC60 meeting in Duluth Minnesota

Begin drafting TRB paper entitled *Environmental Benefits of Cold-in-Place Recycling*

Refine the new RFP concepts.

Significant Results:

- Awarded the Wisconsin Idea Fellowship (WIF) for *Eva the Engineer* on March 10th, initial stages of planning started.
- Responded to calls and inquiries from the website.
- Presented *Environmental Benefits of Using Recycled Concrete Materials* at the WCPA 2017 Annual Concrete Pavement Workshop on February 16th.
- Continue to encourage Iowa DOT and Oregon DOT to join RMRC-4G pool fund.
- Posted a beta version of GIS to connect suppliers and users of recycled materials on the RMRC website.
- Posted completed reports of other RMRC-3G research projects on the RMRC website.
- Published papers and made presentations on completed various projects on life cycle assessments were published and presented at TRB and other venues.

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).

NA

- **Potential Implementation:**
- Posted a beta version of GIS to connect suppliers and users of recycled materials on the RMRC website.
- Posted completed reports of other RMRC-3G research projects on the RMRC website.
- Published papers and made presentations on completed various projects on life cycle assessments were published and presented at TRB and other venues.