**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.*

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| **Transportation Pooled Fund Program Project #**  *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)*  TPF-S(270) | | **Transportation Pooled Fund Program - Report Period:**  □Quarter 1 (January 1 – March 31)  □Quarter 2 (April 1 – June 30)  □Quarter 3 (July 1 – September 30)  X Quarter 4 (October 1 – December 31) | |
| **Project Title:**  Recycled Materials Resources Center- Third Generation (RMRC-3G) | | | |
| **Name of Project Manager(s):**  Angela Pakes Ahlman | **Phone Number:**  608-890-4966 | | **E-Mail**  apakes@sustainability.wisc.edu |
| **Lead Agency Project ID:**  TPH-5(270) | **Other Project ID (i.e., contract #):** | | **Project Start Date:**  August 30, 2012 |
| **Original Project End Date:**  September 30, 2015 | **Current Project End Date:**  September 30, 2015 | | **Number of Extensions:**  NA |

Project schedule status:

X On schedule □ On revised schedule □ Ahead of schedule □ Behind schedule

Overall Project Statistics:

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| **Total Project Budget** | **Total Cost to Date for Project** | **Percentage of Work**  **Completed to Date** |
| 42,097.00 | 1,162.81 | 2.76% |

***Quarterly*** Project Statistics:

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| **Total Project Expenses**  **and Percentage This Quarter** | **Total Amount of Funds**  **Expended This Quarter** | **Total Percentage of**  **Time Used to Date** |
| 1,162.81; 0.386% | 1,162.81 | 17.5% |

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| **Project Description**:  The goal of RMRC-3G 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.  RMRC-3G is supported by a pooled fund and focus specifically on issues of direct relevance to the contributing state DOTs. The governance structure would include a Board of Directors comprised of representatives of participating State DOTs as well as Stephen R. Mueller, Pavement and Materials Engineer in the Federal Highway Administration’s Resource Center in CO. Mr. Mueller was the technical representative and co-Contracting Officer’s Technical Representative (COTR) for RMRC-2.  The Board has direct input on the activities and priorities of RMRC-3G through a balloting process tied to the level of  contribution provided by each state.  Through research projects, workshops and outreach efforts, RMRC-3G expects to achieve its goal via the accomplishment of the following objectives:   * Maintain RMRC webpage as an up-to-date resource and be available as a resource to the highway materials and construction community on recycled materials * Define, conduct or manage critical recycled materials research that will support and improve the sustainability of transportation systems construction * Collect and share information between state agencies that will improve the understanding of recycled materials and the appropriate applications * Reach out to and share ideas with private sector producers of recycled materials on approaches to making their availability, quality control, and delivery more smoothly * Define a system of regionally significant recycled materials and establish performance expectations for those materials in various applications that will guide and enhance their use and management * Evaluate and recommend effective technologies and other roadway appurtenances from a recycled materials perspective and in a manner that supports the reliable, efficient, safe and sustainable use of construction materials * Identify issues or bottlenecks that frustrate the wide spread use of recycled materials and then taking actions, individually or as a group, to improve those conditions * Actively contribute to the development of specifications and guidelines through AASHTO and ASTM * Organize webinars and workshops on critical recycled materials |

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| **Progress this Quarter (includes meetings, work plan status, contract status, significant progress, etc.):**  The RMRC-3G contract was finalized in 3Q12. RMRC management (Edil and Pakes Ahlman) began regular biweekly  meetings to discuss potential RMRC research topics. Phone calls and emails were used as means to promote the new  RMRC-3G.  The first Outreach event was at the Industrial Resources Council in Indianapolis on Nov 27-29. At the annual meeting  entitled, Industrial Materials Use in Sustainable Pavement Systems, Pakes Ahlman and Edil gave a presentation on  **Recycled Materials in Roadways: Improving Sustainability, Quality and Service Life.** Several States contacts,  including new contacts, were made at the conference: NY, OK, AZ, TX, VA, PA, IN, OH. We also met with key FHWA and some industry representatives. Follow up with each new contact was made after returning from the conference.  RMRC management held it’s first teleconference meeting on December 19, and included existing and new members to  the RMRC-3G program: WisDOT, MN, IL, GA, CO, VA. PA and MD (silent observer). On the call, members discussed  2013 objectives and research topics. A research idea form was created by RMRC and was used by team members to  share research ideas. Seven research topics were collected and shared my RMRC. Each were reviewed and discussed on the call. An eighth idea was suggested during the call: **Development of Recycled Materials Informational Data Sheets and Quantification of System-wide Life Cycle Benefits**. RMRC began developing a draft of this topic for discussion in 1Q13. |
| **Anticipated work next quarter**:   * Attend TRB 2013 in Washington DC in January * Invite RMRC members or interested parties to our Wisconsin TRB Welcome Reception * Hold RMRC meeting at TRB to meet face to face of those of you who can attend. Those who cannot will be able   to call in.   * Begin to develop draft RFP for research: **Development of Recycled Materials Informational Data Sheets and Quantification of System-wide Life Cycle Benefits.** Share with RMRC members for review and develop plan to begin research. |

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| **Significant Results:**   * Held RMRC-3G kickoff meeting * Worked with States to commit their funding portion of RMRC-3G * Outreach to active members (FHWA, WisDOT, MN, IL, GA, CO, VA. PA, MD) and future members **(**NY, OK, AZ,   TX, VA, IN, OH) and industry.   * Scheduled in person meeting opportunities at TRB for promotion of RMRC program and outreach as well as   research topic discussion   * Developed or coordinated the development of 8 research topics |
| **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 |

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| **Potential Implementation:**  Development of a Recycled Materials Informational Data Sheets and Quantification of System-wide Life Cycle Benefits  was expressed by each Executive Board member to be of great importance to each participating State. The  Executive Board very strongly supported the need and desire to have more information by recycled material topic  available to promote the importance of their programs and each States’ sustainability mission. |