TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Wisconsin 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 # *(i.e, SPR-2(XXX), SPR-3(XXX) or TPF-5(XXX)* TPF-5(302)	**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: Modified Binder (PG+) Specification and Quality Control Criteria		
Name of Project Manager(s): Barry Paye	**Phone Number:** (608)246-7945	**E-Mail** barry.paye@dot.wi.gov
Lead Agency Project ID: 0092-14-20/22 (original/amendment)	**Other Project ID (i.e., contract #):**	**Project Start Date:** 9/30/2014
Original Project End Date: 9/30/2015	**Current Project End Date:** 12/31/2016	**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
$250,000	$224,600.26	90%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
$38,741.57, 15.5%	$38,741.57	88.8%

Project Description:

The intent of this project is to provide essential information to five partner state agencies (Wisconsin, Ohio, Idaho, Kansas and Colorado DOTs) to support standardization of PG+ specifications by identifying those PG+ test methods that are reproducible and show promise in simulating actual field performance.

Based on the stated needs and goals, the main objectives of the proposed pooled fund research include:

1- Perform detailed assessment of current PG+ and modified binder quality control procedures in partnering states in terms of reliability, applicability, and relevance to performance and quality of modified asphalt binders.

2- Use a range of modified binders, representative of the products currently specified by partner states, to develop unified test procedures and specification criteria based on products placed in the field.

3- Improve product quality and reliability through conduct of ruggedness studies and development of precision and bias statements for selected tests.

4- Introduce consistency to current products supplied by elimination or reduction of differences in modified binder acceptance tests and criteria throughout member states.

5- Validate and establish relevance of suggested PG+ and quality control procedures in terms of mixture performance

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

Over the course of this Quarter, the following bullet points summarize the progress:

-Mixture Performance Testing: All the i-Fit short term aging SCB testing, and i-Fit long term aging SCB testing, was completed and analysis of the results was completed. The summary of the analysis was completed and included in the draft final report, which was delivered on October 6th.

-Survey Data Collection: University and member states communicated on the collection of survey data. Only limited information was collected and analyzed. The analysis of the very limited results is included in the draft final report.

-Ruggedness Testing: Results from ruggedness testing was completed to determine what factors associated with running the AASHTO TP 123 testing procedure are rugged. Findings from the ruggedness testing where summarized in an independent report and included as an appendix to the draft final report.

-Draft Final Report- the report was completed in the form of a summary with a series of appendices that contain the white paper, the earlier reports, and sections on the analysis of mixture testing. The final report was submitted on October 7th.

Anticipated work next quarter:

UW-MARC will invite member states representative to a meeting in Madison to present the results of the final report and discuss possible next steps. If meeting in person is not possible, a video conference call will be arranged to present the findings of the study.

Significant Results:

Significant results during this quarter were provided in the draft final report.

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: