TRANSPORTATION POOLED FUND PROGRAM
QUARTERLY PROGRESS REPORT

Lead Agency (FHWA or State DOT): Minnesota Department of Transportation

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 153	**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: Optimal Timing of Preventive Maintenance for Addressing Environmental Aging in HMA Pavements (MnROAD Study)		
Name of Project Manager(s): Thomas J. Wood	**Phone Number:** 651/366/5573	**E-Mail** thomas.wood@state.mn.us
Lead Agency Project ID: 95099	**Other Project ID (i.e., contract #):** 95099	**Project Start Date:** March 31, 2010
Original Project End Date: 11/30/2013	**Current Project End Date:** 11/30/2013	**Number of Extensions:**

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
452205.00	75329.63	16.7%

Quarterly Project Statistics:

Total Project Expenses and Percentage This Quarter	Total Amount of Funds Expended This Quarter	Total Percentage of Time Used to Date
NA at this time		

Project Description:

The goal of this study is to determine the proper timing of preventive maintenance treatments in order to optimize life cycle costs and pavement performance. Environmental aging of the asphalt binder in the underlying pavement is not well understood, and this project will seek to better understand the aging mechanism and how it can be reduced through pavement preservation.

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

Next 100 feet of Cell 24 at MnRoad was fog sealed. This was done as part of another project at MnRoad so there was not cost to this project the fog sealing the section.

Anticipated work next quarter:

Mike Anderson, of Asphalt Institute will be presenting at TERRA Super TAP meeting October 4 and 5 in Minnesota. The TAP members have been invited to attend. Week of October 10th Doug Hanson will be marking locations for next round of coring for lab testing in Minnesota. Mn/DOT will be coring according to plan submitted by Doug Hanson. This cores will be sent to Asphalt Institute for testing per their plan.

Significant Results:

The project plan has modified based on input from member states. Based on this input the Asphalt Institute (AI) is testing cores taken from test section last year and will be testing core take this year to determine the change in aging. Hopefully AI will have significant finding to report either in this quarter or early the next quarter.

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).

As of today, I don't see any.

Potential Implementation:

Based on this research the States should be able to better plan when to do their pavement preventive maintenance treatment. This will allow them budget and plan to receive maximum benefit.