

## State Planning and Research Program Quarterly Report

**PROJECT TITLE:**

Optimal Timing of Preventive Maintenance for Addressing Environmental Aging in HMA Pavements (MnROAD Study)

**OBJECTIVES:** 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.

**PERIOD COVERED:**

July 1, 2008 – September 30, 2008

**PARTICIPATING AGENCIES:**

MN, OH, TX, MD, LRRB

**PROJECT MANAGER:**

Benjamin Worel

**SP&R PROJECT NO:**

TPF-5 (153)

**PROJECT IS:**

Planning  
 Research & Development

**LEAD AGENCY:**

Mn/DOT

**PRINCIPAL INVESTIGATOR:**

TBD by states

**ANNUAL BUDGET:**

Total Funds = \$375,000  
(\$351K possible contract + 24K Agency Admin)

**PROJECT EXPENDITURES TO DATE:**

No cost to the pooled fund to date

**WORK COMPLETED:**

Spring 2008 – Agency conference call to develop initial meeting and goals of this research. It was determined that the funding we have cannot solve all the issues related to this topic but we can make a difference. July 23, 2008 - Agency first pooled fund meeting to get input from national experts and thoughts on how to proceed with the selection of a contractor. Meeting notes and presentations are posted on the [www.pooledfund.org](http://www.pooledfund.org) web site. The RFP document was created and edited by the states. Mn/DOT is working on getting this RFP out by January 2009 for contractors to respond to.

**SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:**

1. RFP will be sent out (January 2009)

**STATUS AND COMPLETION DATES:**

1. See Above and web site for more details.