

**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 to September 30 2010

PARTICIPATING AGENCIES:

MN, OH, TX, MD, LRRB

PROJECT MANAGER:

Thomas J. Wood

SP&R PROJECT NO:

TPF-5 (153)

PROJECT IS:

Planning
 Research & Development

LEAD AGENCY:

Mn/DOT

PRINCIPAL INVESTIGATOR:

Asphalt Institute

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: Met with Doug Hanson and Mike Anderson at MnRoad to discuss field evaluations and sampling of test sections on September 10th. Mn/DOT will be coring and preparing samples to ship to Asphalt Institute for testing. September 1 applied the next section of fog seal to test cell 24 per plan.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

1. Scheduled to review off site location for possible being included in project. Is scheduled for October 6th. Will be sampling all Minnesota site during month of October and November.

STATUS AND COMPLETION DATES:

1. See Above and web site for more details.