

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:

January 1, 2010 to March 31, 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: Effective March 31, 2010 the contract was awarded to Asphalt Institute Inc. of Lexington Ky.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

1. Meeting with AI and members states will be set up at MnRoad to discuss project and testing

STATUS AND COMPLETION DATES:

1. See Above and web site for more details.