

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: HMA Surface Characteristics related to Ride, Texture, Friction, Noise, Durability

OBJECTIVES:

The objective of the proposed research is to construct and monitor several new HMA pavements consisting of 4.75-mm SMA, porous asphalt, conventional Superpave, etc. specifically for the purpose of reducing tire-pavement noise while maintaining other important surface characteristics (texture, friction, ride, durability).

PERIOD COVERED: January - March, 2008 (1st Quarter)

PARTICIPATING AGENCIES: Minnesota Department Of Transportation, Federal Highway Administration, Local Road Research Board

PROJECT MANAGER:

Tim Clyne

SP&R PROJECT NO:

TPF 5(163)

PROJECT IS:

Planning
 Research & Development

LEAD AGENCY:

Minnesota Dept. of Transportation

MPR-6(029)

INV 868

PRINCIPAL INVESTIGATOR:

Tim Clyne

ANNUAL BUDGET:

The total project budget is \$300,000. Of that \$8,000 is reserved for pooled fund administrative costs, which leaves \$292,000 available for research.

Detailed expenditures will be available next quarter.

PROJECT EXPENDITURES TO DATE: \$0

WORK COMPLETED:

The project only recently received final approval from Federal Highway Administration. The Mn/DOT Library conducted a literature search for the project, and the PI has begun work on Task 1.

The 2008 MnROAD reconstruction project was let in January 2008. This project includes building several new hot mix asphalt (HMA) test cells for the purposes of this study. The contractor will begin work in April 2008.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

The literature review is expected to be completed. The contractor will begin work on the MnROAD construction project.

STATUS AND COMPLETION DATE:

This project is just getting underway, with completion expected by June 30, 2011.