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: April - June, 2008 (2nd Quarter)

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

PROJECT MANAGER: Tim Clyne **LEAD AGENCY**: Minnesota Dept. of Transportation **PRINCIPAL INVESTIGATOR**: Tim Clyne	**SP&R PROJECT NO**: TPF 5(163) MPR-6(029) INV 868	PROJECT IS: _____ Planning __X__ Research & Development
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.	**PROJECT EXPENDITURES TO DATE**: $0	

WORK COMPLETED:
The Mn/DOT Library conducted a literature search for the project, and work on Task 1 (Literature Review) has begun.

The 2008 MnROAD reconstruction project began this quarter. This project includes building several new hot mix asphalt (HMA) test cells for the purposes of this study. Grading on many of the test sections has begun. Mix designs for the porous HMA, 4.75-mm taconite mix, and other asphalt mixtures are underway and should be completed soon.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:
The literature review is expected to be completed. The contractor is expected to pave several of the asphalt test sections at MnROAD. As soon as the sections are paved, initial surface characteristics measurements will be made in terms of noise, friction, texture, and other properties.

STATUS AND COMPLETION DATE:
This project is slightly behind schedule. Completion is still expected by June 30, 2011.