

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: Design and Construction Guidelines for Thermally Insulated Concrete Pavements

OBJECTIVES:

The main objective of the proposed research is to develop design and construction guidelines for thermally insulated concrete pavements (TICP), i.e. composite thin HMA overlays of new or structurally sound existing PCC pavements. A secondary objective is to develop recommendations for feasibility analysis of newly constructed TICP or thin overlays of the existing concrete pavements.

PERIOD COVERED: April - June, 2007 (2nd Quarter)

PARTICIPATING AGENCIES: Minnesota Department Of Transportation, Caltrans, Federal Highway Administration, Local Road Research Board, Washington State Department of Transportation

PROJECT MANAGER:

Tim Clyne

SP&R PROJECT NO:

TPF 5(149)

PROJECT IS:

 Planning
 X Research & Development

LEAD AGENCY:

Minnesota Dept. of Transportation

PRINCIPAL INVESTIGATOR:

pending

ANNUAL BUDGET:

The total project budget is \$455,000. Of that \$16,000 is reserved for pooled fund administrative costs, which leaves \$439,000 available for research.

Detailed expenditures will be available next quarter.

PROJECT EXPENDITURES TO DATE: \$0

WORK COMPLETED:

None – this project just received final approval on June 21, 2007. Work will begin in Quarter 3, 2007.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

A kickoff meeting will be scheduled with the participating agencies. A contract is expected to get underway with 3 University contractors. Designs of composite pavement test sections to be built at MnROAD in 2008 will be completed, as well as placing an HMA overlay on an existing concrete cell to measure temperature profiles.

STATUS AND COMPLETION DATE:

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