

State Planning and Research Program Quarterly Report

PROJECT TITLE:

TPF-5 (132) Investigation of Low Temperature Cracking in Asphalt Pavements - Phase II (MnROAD Study)

OBJECTIVES: The main objective of this study is to validate the laboratory test procedures, models, and pavement design procedures that come out of Phase I of this study. This will be accomplished by monitoring two new test sections at the Minnesota Road Research Facility (MnROAD). Phase I was aimed at developing a fracture mechanics-based specification for a better selection of asphalt binders and mixtures with respect to their resistance to crack formation and propagation. This fracture mechanics approach will also be used to investigate the detrimental effects of aging and moisture on the fracture resistance of asphalt materials.

PERIOD COVERED:

April 1, 2008 – June 30, 2008

PARTICIPATING AGENCIES:

CT, IA, MN, ND, NY, WI, LRRB

PROJECT MANAGER:

Benjamin Worel

SP&R PROJECT NO:

TPF-5 (132)

PROJECT IS:

Planning
 Research &
Development

LEAD AGENCY:

Mn/DOT

PRINCIPAL INVESTIGATOR:

TBD by TAP

ANNUAL BUDGET:

\$525,000 Total Funding =
\$475K Contract + 26K Admin (meetings) +
24K Admin (Agency Discretion)

PROJECT EXPENDITURES TO DATE:

- First State Meeting held March 11, 2008 (Travel expenses from CT, ND, NY, WI were processed)
- No other expenses

WORK COMPLETED:

- 1 - December 2007 - Project was just work plan developed and approved
- 2 - March 11, 2008 Agency Kickoff meeting held in Minnesota
- 3 – June 17, 2008 - Contract finalized (University of Minnesota, Illinois, Wisconsin, and Iowa State) – Work starts.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

1. Contractors will work this quarter and get started on their tasks.
2. State meeting this fall after some progress is made and questions may arise.

STATUS AND COMPLETION DATES:

1. Contract is posted on the pooled fund web site. The contractor will follow the schedule posted.
2. The next pooled fund quarterly report will also contain an update attached related to the status on each task per the University of Minnesota contract obligation.