

**State Planning and Research Program
Quarterly Report**

PROJECT TITLE: TPF-5 (080) Investigation of Low Temperature Cracking in Asphalt Pavements

OBJECTIVES: The development of a fracture-mechanics-based specification is one of the objectives of this study. It will allow 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 role of aging and moisture to fracture resistance of asphalt materials.

PERIOD COVERED:

April 1, 2007 – June 30, 2007

PARTICIPATING AGENCIES:

CT, IA, ID, IL, KS, MN, ND, NY, VT, WI

PROJECT MANAGER:

Benjamin Worel

LEAD AGENCY:

Mn/DOT

PRINCIPAL INVESTIGATOR:

Mihai Marestanu
University of Minnesota

SP&R PROJECT NO:

TPF-5 (080)

PROJECT IS:

Planning
 Research &
Development

ANNUAL BUDGET:

\$665,000 (total)

PROJECT EXPENDITURES TO DATE:

* project complete – Deb Fick will look into any remaining funds to finalize the books.

WORK COMPLETED:

All 17 tasks are complete and approved

(Final Print - October 2007)

http://mnroad.dot.state.mn.us/research/MnROAD_Project/MnROADReports/MnRoadOnlineReports/Investigation_of_Low_Temperature_Cracking_in_Aspphalt_Pavements.pdf

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

1. Done

STATUS AND COMPLETION DATES:

1. Done