

Period Covered: October 1, 2003 through December 31, 2003

KSDOT Progress Report
for the

State Planning and Research Program

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| PROJECT TITLE: Midwest Accelerated Testing Pooled Fund | | |
| PROJECT MANAGER: Richard L. McReynolds, P.E., Admin. Contact Dr. Stefan Romanoschi, KSU, PI | Project No: TPF-5(079) RE-0361-01 | Project is: <input type="checkbox"/> PLANNING <input checked="" type="checkbox"/> RESEARCH & DEVELOPMENT |
| Annual Budget (active projects) FY 2003: \$162,000 | Multi Year Project Budget | |

Progress: The objective of this research is to develop the calibration procedure for the AASHTO 2002 design guide models for both flexible and rigid pavement structures for this region and to assist the state highway agencies in region in the implementation of the new Guide for pavement design and surface selection practices.

The research efforts in the fourth quarter of 2003 were concentrated on the development of the library of material characterization data for typical pavement materials and the identification of pavement test sections for which performance data may be available. A plan for testing of typical asphalt concrete mixes has been developed and the equipment for performing the tests has been made ready.

The survey of literature has been conducted to identify existing material characterization data and pavement performance data collected already by the highway agencies and reported in internal documents.

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

Following the recommendations of the Project Monitor, dynamic resilient modulus tests on representative asphalt concrete mixes and DSR tests on the corresponding binders will be performed. The progress of this research project will greatly depend on the availability of the final report for NCHRP 1-37A, that will provide a better insight into the features and capabilities of the 2002 AASHTO Design Guide.

STATUS AND COMPLETION DATE

Percentage of work completed to date for total project is: 10

X on schedule ____ behind schedule, explain

Expected Completion Date: December 31, 2005