

Period Covered: October 1 through December 31, 2009 (Quarterly Report)

KSDOT Progress Report
for the

State Planning and Research Program

PROJECT TITLE: Construction of Crack-Free Concrete Bridge Decks		
PROJECT MANAGER: Rodney Montney	Project No: TPF-5(051)	Project is: <input type="checkbox"/> PLANNING <input checked="" type="checkbox"/> RESEARCH & DEVELOPMENT
Annual Budget	Multi Year Project Budget \$995,000	

PROGRESS:

Current work for Phase I of Construction of Crack-Free Concrete Bridge Decks includes the evaluation of the bridge decks that were cast in Phase I.

LABORATORY ACTIVITIES:

All laboratory work and evaluations for Phase I have been completed and are described in previous quarterly reports.

FIELD ACTIVITIES:

The annual crack surveys for Low-Cracking High-Performance Concrete (LC-HPC) bridges and corresponding control bridges in Kansas for 2009 were completed in the previous quarter. The results were reported in the September 2009 quarterly report. Bridge deck cracking surveys will resume in the late spring when weather conditions permit survey crews to inspect the decks according to the regular procedures.

ACTIVITIES PLANNED FOR NEXT QUARTER

Evaluation of crack surveys of LC-HPC and control bridge decks will not begin again this quarter. Weather conditions generally improve enough to allow surveys by the second quarter of the year. They will be performed as part as Phase II [TPF-5(174)].

Project Personnel: David Darwin (Principal Investigator), JoAnn Browning (Co-Principal Investigator)

STATUS AND COMPLETION DATE

Percentage of work completed to date for total project is: 99%*

on schedule behind schedule, explain:

Expected Completion Date: March 31, 2010

*The project has been extended for an additional two years to allow the planned deck construction to be completed and the crack surveys to be conducted. The percentage of work completed will be held open at 99% for the balance of the project. Phase II of this project is now underway with funding from the KU Transportation Research Institute and the project has been approved for 100% SPR funding; TPF funding officially began on July 1, 2008.