

Period Covered: 1/1/11 through 3/31/11 (Quarterly Report)

KSDOT Progress Report

for the

## State Planning and Research Program

PROJECT TITLE: Evaluating Load-Distribution, Fatigue Performance, and Horizontal Shear Transfer Mechanisms in Fiber-Reinforced Composite Honeycomb Bridge Decks		
PROJECT MANAGER: Dave Meggers	Project No: RE-0514-01 TPF5(071) Formally RE-0330-01/RE-0332-01	Project is:  _____ PLANNING
Annual Budget \$100,000	Multi Year Project Budget \$223,900	<u> X </u> RESEARCH & DEVELOPMENT
<p>PROGRESS: As previously reported the Kansas DOT has taken over the project and Project Monitor (Dave Meggers) is completing the work. Dr. Hani Melhem and Harrison Poole of KSU and Moni El-Aasar of BG consultants are finalizing the load distribution of the panel.</p> <p>Most of the testing process has been completed. The inefficiencies of the data acquisition equipment and incompatibility with the laptop computer used for testing required that each test location be loaded three times to collect all the data desired. Data reduction has begun and evaluation of results has been started.</p> <p>A Student from KSU has begun working on the project and has performed additional cantilever testing of the panels.</p> <p>Load distribution factors will be determined this year and the information will be published.</p> <p>PROJECT PERSONNEL FROM KSU CIVIL ENG: Dr. Hani Melhem and Harrison Poole</p> <p>PROJECT PERSONNEL FROM KANSAS DOT: Dave Meggers, Research Development Engineer</p> <p>PROJECT PERSONNEL FROM BG CONSULTANTS: Moni El-Aasar, P.E.</p> <p>SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:</p> <p>Final testing of the panel and beginning of the data reduction.</p>		
STATUS AND COMPLETION DATE:		
Percentage of work completed to date for total project: Project is <u>90%</u> Complete		
_____ on schedule <u> X </u> * behind schedule, explain:		
*As stated previously the significant equipment problems slowed the process of data collection considerably. The pace is moving along now that Harrison has come on board the project.		
Expected Completion Date: <u>12/31/11</u>		