

Period Covered: 1/1/06 through 3/31/06 (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-0330-01/RE-0332-01	Project is: _____ PLANNING <u> X </u> RESEARCH & DEVELOPMENT
Annual Budget \$100,000	Multi Year Project Budget \$223,900	
<p>PROGRESS: As previously reported the Kansas DOT has taken over the project and Project Monitor (Dave Meggers) is completing the work. Dr. Peterman of Kansas State University is assisting in the analysis of the test data and preparation of the project report.</p> <p>The load distribution panels have been instrumented and the test apparatus is in the process of being completed.</p> <p>A single 3 foot by 5 foot panel that was fully supported on a test table (pure compression) was subjected to 12 million cycles at a load level of 23 kips with no apparent failure of the panel. However, the test did indicate the potential for stress reversal under typical traffic loading.</p> <p>PROJECT PERSONNEL FROM KSU CIVIL ENG: Dr. Robert J. Peterman</p> <p>PROJECT PERSONNEL FROM KANSAS DOT: Dave Meggers, Research Development Engineer</p> <p>SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:</p> <p>The P.I. hopes to get the distribution-width panels test apparatus completed by the end of May and begin testing. All testing except the long term creep test should be completed by the end of this upcoming quarter.</p>		
STATUS AND COMPLETION DATE:		
Percentage of work completed to date for total project: Project is <u>50 %</u> Complete		
_____ on schedule <u> X </u> * behind schedule, explain:		
* As stated previously Mike Stein, the research engineer working on the project, unexpectedly resigned and the graduate student working on the project (Amin Akhnoukh) also discontinued his work on the project and left Kansas State. The present PI (Dave Meggers) because of his duties at the Kansas DOT is only able to devote one to two days a week on the project which limits the progress.		
Expected Completion Date: <u>12/31/06</u>		