

Period Covered: 10/1/05 through 12/31/05 (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 creep test using a 12 inch panel has been setup and is operation.</p> <p>A limited literature review has been performed to evaluate the proposed set up of the Load Distribution portion of the project and the test set up has been changed to allow for Load Distribution and Stress Distribution data to be collected by use of the same experimental setup.</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 instrumented and the corresponding test-setup completed during the next quarter. An additional test involving compressive fatigue will be setup and performed also during the next 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>		