

Transportation Pooled Fund Program

Project Title: Structural Testing of UHPC Connections Between Precast Bridge Deck Elements		
Project Manager and Phone Number: Ben Graybeal Research Structural Engineer FHWA Turner-Fairbank Highway Research Center 202-493-3122	Project No: TPF-5(217)	Project is: <input type="checkbox"/> PLANNING <input checked="" type="checkbox"/> R&D
Reporting Period: April 1, 2011 - June 30, 2011	Multi Year Project	
Description of Work Performed and Progress: Phase 1: Phase 1 of this project has been completed. ----- Phase 2: The testing of the first full-scale structural test specimen was completed. The specimen performed well throughout the cyclic loading, which included over 11 million cycles. The final 5 million cycles applied more than twice the design fatigue load for the composite connection under test. After the completion of the cyclic testing, the specimen was statically loaded to failure. A total applied load of over 1,000 kips caused the specimen to fail. The 2nd (and final) test specimen was prepared for testing as the quarter came to a close. In the new quarter, the testing of the 2nd specimen will be completed.		
STATUS AND COMPLETION DATE Percentage of work completed to date for total project Project is: <u>65</u> % <input checked="" type="checkbox"/> on schedule <input type="checkbox"/> behind schedule, explain: Expected Completion Date: <u>December 31, 2011</u>		

Project Manager