

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: October 1, 2009 - December 31, 2009	Multi Year Project	
Description of Work Performed and Progress:		
<p>The six test specimens were fabricated and delivered to Turner-Fairbank prior to the official start of the project.</p> <p>Cyclic testing of slab specimens as described in the workplan was initiated.</p> <ul style="list-style-type: none"> - Specimen E1E2 was cycled through 14.15 million cycles. Cycling completed on August 11, 2009. - Specimen G1G2 was cycled through 7.79 million cycles. Cycling completed on September 18, 2009 - Specimen B1B2 was cycled through 7.37 million cycles. Cycling completed on October 22, 2009. - Specimen H1H2 was cycled through 7.17 million cycles. Cycling completed on November 24, 2009. - Specimen 6H16H2 was cycled through 8.97 million cycles. Cycling completed on January 4, 2010. <p>All specimens performed well through the 2+ million cycles of 2 - 16 kip loading and the 5+ million cycles of 2 - 21.3 kip loading. No specimens showed any evidence of leakage along the joint interface.</p> <p>Work planned for 2010 1st qtr: - Specimen 6B16B2 will be cyclically tested. - All specimens will be statically loaded to failure.</p> <p>This project is progressing as scheduled.</p> <p>Status of this project is to be presented at the 2010 Concrete Bridge Conference in Phoenix, AZ. An associated paper has been prepared. This paper will be available on the TPF website.</p>		
STATUS AND COMPLETION DATE		
Percentage of work completed to date for total project Project is: <u>35</u> %		
<input checked="" type="checkbox"/> on schedule <input type="checkbox"/> behind schedule, explain:		
Expected Completion Date: <u>June 30, 2010</u>		

Project Manager