

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, 2010 - December 31, 2010	Multi Year Project	
Description of Work Performed and Progress: Phase 1: Phase 1 of this project has been completed. The Techbrief titled "Field-Cast UHPC Connections for Modular Bridge Deck Elements" has been published. It is referenced as FHWA-HRT-11-022. The report titled "Behavior of Field-Cast Ultra-High Performance Concrete Bridge Deck Connections Under Cyclic and Static Structural Loading" has been published as NTIS PB2011-101995. ----- Phase 2: Due to the success of the project and the interest generated within the community, the scope of the project has been expanded to include additional types of connections between prefabricated concrete components. FHWA and NYSDOT have committed additional resources to the project. The next phase of the project will focus on the composite connection between prestressed girders and precast bridge decks. This connection is to be redesigned and tested at full scale. Specimen design was being completed in this quarter. Fabrication of components and the initiation of testing is slated for the first quarter of 2011.		
STATUS AND COMPLETION DATE		
Percentage of work completed to date for total project Project is: <u>50</u> % <input checked="" type="checkbox"/> on schedule <input type="checkbox"/> behind schedule, explain: Expected Completion Date: <u>December 31, 2011</u>		

Project Manager