

Evaluation of a Bridge Constructed with Ultra High Performance Concrete

Description

Meta Fields

Category : Completed Projects

Group : Ultra-High Performance Concrete (UHPC)

Subject : PI girders

Abstract :

With the assistance of the Iowa DOT and the Bridge Engineering Center, Buchanan County will construct a bridge made of ultra high performance concrete. The BEC will assess the behavior of the individual elements during construction, their long-term performance, and the long-term performance and overall behavior of the completed bridge. This project directly addresses the FHWA's Innovative Bridge Research and Construction program's goal of demonstrating and documenting the effectiveness of innovative materials and construction techniques for new bridge structures.

Key Words :

Bridge tests, concrete bridges, field tests, high-strength concrete, load tests, precast concrete, prestressed concrete, steel fibers, UHPC, ultra-high performance concrete

Budget : 0.00

Primary Sponsor Contact Info : Buchanan County, IA USA Iowa Department of Transportation 800 Lincoln Way Ames, IA 50010 USA

Project Starting Year : 2006

Project Completion Year : 2010