

Evaluation of the 24th Street Bridge, Interstate 80/29, Council Bluffs, Iowa

Description

Meta Fields

Project Completion Year : 2010

Project Starting Year : 2007

Other Documents 0 Other Documents File : 1958

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

Project Length : 36

Budget : 0.00

Key Words :

Bridge construction; Bridge decks; Bridge design; Precast concrete; Prestressed concrete bridges; Research projects

Abstract :

In late 2007, the Iowa Department of Transportation (DOT) will construct a bridge carrying 24th Street in Council Bluffs, Iowa, over Interstate 80/29. Although the design is not complete, the concept will include prestressed, precast deck panels that are longitudinally post-tensioned. This application of precast deck panels represents a step forward from previous applications of such a system in Iowa and strives to further improve the design concept. The evaluation will include a laboratory component and a field component. The lab program is intended to help answer specific design and construction questions so they can be included in the final design. Details of the field testing will be finalized after the final design is completed.

Subject : In-service Deck Panel Testing

Group : Decks

Category : Completed Projects