



Lateral Connections for Double T Bridges

Description

Meta Fields

Project Completion Year : 2000

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Primary Sponsor Contact Info : Texas Department of Transportation Research and Technology
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Key Words : Restressed, Concrete, Double,Tee, Lateral, Connection, Multibeam, Multi-Beam, Bridge

Abstract : This project developed, analyzed, and tested a method for laterally connecting the edges of double tee members in a bridge. Load tests were conducted on a 27 ft span, two-tee bridge in the laboratory. Static and cyclic loadings were applied. No distress or failures were found in the connections during the testing program. The report reviews connection methods that have been used in the past and recommends a detail for use in TxDOT bridges. Appropriate lateral distribution factors for TxDOT bridges built with the recommended connection are addressed.

Subject : Double T Connections

Group : Superstructure

Category : Completed Projects