



A Precast Bridge Bent System for Seismic Regions

Description

Meta Fields

Category : Completed Projects

Group : Seismic

Subject : Bent Cap

Abstract : This report describes a precast concrete bridge bent system that is suitable for high seismic zones. Lateral load tests on both the top (column-to-cap) and bottom (column-to-footing) connections of the system have demonstrated that the connections have strengths and ductilities similar to those of comparable cast-in-place connections. Additional tests on the bottom connection of the system are ongoing, and construction of a demonstration bridge project will begin later this year. The final development of this system is partially funded by the FHWA's Highways for LIFE Technology Partnerships Program (DTFH61-09-00005). Information on both the Highways for LIFE program and this project may be found at <http://www.fhwa.dot.gov/hfl/>.

Key Words : Bents; Concrete bridges; Earthquake engineering; Earthquakes; Precast concrete; Structural connection

Budget : 0.00

Primary Sponsor Contact Info : Federal Highway Administration (FHWA) Highways for LIFE Technology Partnerships Program 1200 New Jersey Avenue, SE Washington, DC 20590 USA

Other Documents 0 Other Documents File : 2077

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Project Completion Year : 2013