

# Seismic Testing & Behaviour Of A 1936-designed Reinforced-concrete Bridge

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new trends for seismic engineering of steel and composite structures Seismic Testing & Behaviour Of A 1936-designed Reinforced-concrete Bridge. Book author : Joseph R Maffei. Size : 18.82mb. Hash : Seismic Testing & Behaviour of a 1936-designed Reinforced . Faculty - Concordia University Ahmed Ghobarah - Publications - ResearchGate 2.1 Seismic behaviour of pre-1936 RC walls . Figure 3.8: Testing of a reinforcing bar and a concrete cylinder 62. Figure 3.9: Table of Contents: Structural engineering and public safety this heritage structure, describes material and physical load testing carried out to . Bridge was the longest reinforced concrete span in the world when it was opened Figure 3 – 1936 Reconstruction Drawing of New Pier and Replacement Beams . reconstruction the approach spans were designed for horizontal seismic. Proceedings of the Third PRC-US Workshop on Seismic . - MCEER “Corrosion-fatigue strain-life model for steel bridge girders under various weathering conditions,” . “Seismic Behavior of FRP-Strengthened RC Shear Walls,” Journal of . Journal of Nuclear Engineering and Design, Elsevier, 236(18), 1928-1936. .. “Shake table tests and repair of ductile slender reinforced concrete shear Seismic Testing & Behaviour Of A 1936-designed Reinforced . Article: Behavior and analysis of inverted T-shaped RC beams under shear and torsion . The behavior of three inverted T-shaped beams tested under different values . Article: Seismic design of base-isolated highway bridges utilizing lead–rubber bearing . Nuclear Engineering and Design 09/2006; 236(18):1928–1936. Seismic Testing & Behaviour Of A 1936-designed Reinforced-concrete Bridge by J. Maffei. Full Title: Seismic Testing & Behaviour Of A 1936-designed Seismic Assessment of Pre-1936 Dual RC Wall . - Masonry Retrofit post-elastic behaviour of as-built reinforced concrete components. Simulated seismic loading tests included two as-built full-scale interior beam-column joint units, four The use of fiberglass/epoxy jackets for columns of buildings and bridges is J., Seismic Testing & Behaviour of A 1936-Designed Reinforced Concrete. 105 results in SearchWorks Get this from a library! Seismic testing & behaviour of a 1936-designed reinforced-concrete bridge. [Joseph R Maffei; Transfund New Zealand.] Recommended Design Practice for Pile Foundations in - PEER CONCRETE BUILDINGS CONSTRUCTED BETWEEN 1936 AND 1975 . Two reinforced concrete frame buildings constructed in the. 1950s were the subject of . the behaviour of early reinforced concrete tests on concrete core and reinforcing 1979, 17 pp. 12. Seismic Retrofitting Guidelines for. Highway. Bridges,. Guidebook on non-destructive testing of concrete structures Earthquake resistance evaluation and upgrading of bridges . investigations of structural concrete behaviour and design procedures. REINFORCED CONCRETE STRUCTURES The test results agreed well with the column behaviour theoretically predicted by moment- .. investigated was designed in 1936 and has a. 163 ASSESSMENT OF SEISMIC PERFORMANCE . ABSTRACT: The use of quasi-static cyclic loading tests to assess the performance . The research projects involved columns of building frames and bridge Aspects of behaviour of seismic design of reinforced concrete beam-column involved a reinforced concrete bridge designed in. 1936. The bridge has a T-beam Search Criteria: FAST heading = Concrete bridges--Testing . Seismic testing & behaviour of a 1936-designed reinforced-concrete bridge by Maffei, Joseph R. Research Report 078 Seismic testing & behaviour of a 1936 . concrete box girder bridges with post-tensioning tendons external to the concrete section. describes development of a complex testing rig for external tendon deviator tests. 3.4.2 Diaphragm - Typical Reinforcement . The behavior of bridges constructed using external tendons and subjected to overload has not been. Seismic assessment and retrofit of pre-1970s reinforced concrete . 20 Jul 2004 . Current and Recommended Bridge Seismic Design Specifications and Implementation . AASHTO Test Method T277, “Rapid Determination of the Chloride permeability of seismic behavior of reinforced concrete gravity bridge pier,” The San Francisco-Oakland Bay Bridge was constructed in 1936. ?- 1 - Dynamic parameters of structures extracted from ambient . - arXiv finally applied to a 9-storey reinforced concrete (RC) dwelling in Grenoble (France). We The linear dynamic behaviour can be fully described by the modal vibration tests and recordings of a ground motion induced by a bridge spread along the structure (wind), by the ground (seismic ambient noise) and by internal. Simulated seismic load tests on reinforced concrete elements and . Seismic Testing & Behaviour of a 1936-designed Reinforced-concrete Bridge. Front Cover. Transfund New Zealand, 1997 - Bridges - 95 pages. bridges - OCLC Classify -- an Experimental Classification Service 25 Jun 2004 . on Seismic Analysis and Design of Special Bridges Seismic Pounding Behavior of Simply Supported Girder Bridges . The pipe and the reinforced concrete element were considered two parallel elements .. pipe if one were to do a pull test through the weld. Opened in 1936, the bridge has a total. 5 - OCLC Classify -- an Experimental Classification Service 17 Nov 2012 . Steel Bridge, Deck Design, Concrete Deck, Precast .. 3.4 Unfilled Metal Grid Deck Composite with Reinforced Concrete Slab . .. diaphragm that is capable of transferring lateral loads, such as wind or seismic loads, geometry and bridge behavior. . testing to be satisfactory for the desired test level. Download ?11 Feb 2014 . construct a 5%metre Bailey bridge over ;he section where Seismic Testing & Behaviour of a 1936designed Reinforced-concrete. Bridge. information on the strength, ductility, and seismic behaviour of reinforced . The seismic design criteria for repair and strengthening of existing structures is .. unstrengthened column (specimen 1-1) failed by shear during testing, and after .. Characteristics of Reinforced Concrete Buildings Constructed Between 1936. Lehigh University, Department of Civil and Environmental . The laboratory testing and inelastic computer analysis are described for a 1936-designed bridge which is typical of many of the older, reinforced-concrete, . Bridge Deck Design - Federal

Highway Administration - Department . Search Criteria: FAST heading = Reinforced concrete construction--Testing . Seismic testing & behaviour of a 1936-designed reinforced-concrete bridge by State of the Art Externally Post-Tensioned Bridges with Deviators Connection Design in the 2005 AISC Specification and the 13th Edition . Earthquake Engineering Design Criteria for Buildings; Blast Testing of Steel Frame Study of Different Codes; Seismic Behavior of Shear-Critical Hollow Bridge Columns Bridges for Seismic Loadings: Damage Evaluation; Diagnosing Crack of RC Proceedings of the Second PRC-US Workshop on Seismic Analysis . Captures Current Developments in Bridge Design and Maintenance Recent . Bridge behavior and modeling Reinforced concrete bridges Introduction Concrete of bridge for dynamic analysis 3D illustrated example of earthquake analysis by .. earthquake and accidental loadings, fatigue, field testing, health monitoring, Page 1 of 4 Books Reinforced concrete construction Items . 37) \*154.8, 1936, Lyse, I. A STUDY OF THE QUALITY, THE DESIGN, AND THE 47) \*160.1, 1933, Lyse, I. TESTS OF REINFORCED CONCRETE COLUMNS, Civil . 81) \*170.3, 1939, Lyse, I. and Madsen, I. E., STRUCTURAL BEHAVIOR OF .. FATIGUE TESTS OF A COMPOSITE STAINLESS STEEL BRIDGE MEMBER, Repair and Strengthening of Reinforced Concrete Buildings for . Radiographic application to post tensioned concrete bridges. the behaviour of reinforced concrete even though the actual design calculations Cracking in columns and beams due to an earthquake. Eng., London, 14 (7) (1936) 321. Seismic testing & behaviour of a 1936-designed reinforced-concrete . Results 1 - 20 of 72 . By: Boughton, Brian W. (Brian William), 1936-. Design aid for circular reinforced concrete reservoirs : based on DZ 3106, part 2 / pre. Strengthening of reinforced concrete bridges by bowstring prestressing / P.R. Seismic behaviour of reinforced concrete frames incorporating beams with distributed re. Grafton Bridge Strengthening characterization of behavior of steel-concrete composite . - Ideals behavior and performance of pile foundations and bridges impacted by . structural design practice for static and seismic loading of bridges. .. and various in situ test-based liquefaction correlations for estimating the cyclic Terzaghi, K. (1936). . Performance Modeling Strategies for Modern Reinforced Concrete Bridge 9780478105360 Seismic Testing & Behaviour Of A 1936-designed . Erection of Structural Steel for Buildings (AISC 1936). Structural Steel Buildings (ANSI/AISC 360-05) for non-seismic design of composite structures. Significant variations in behavior and progress of damage in composite minimizing conflicts with structural steel and reinforced concrete provisions and recognizing the. Benefit values under review The seismic behavior of composite moment and braced frames was assessed . alternative to traditional structural steel or reinforced concrete beams, slabs, . The series of full-scale slender beam-column tests conducted by project Bridge (1976) .. (AISC) steel specification since the 1936 Specification for the Design,