

## Caltrans Seismic Design Manual

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### Caltrans Seismic Design Manual

Seismic Design Criteria version 2.0 (PDF) Seismic Design Criteria version 2.0 - Errata (PDF) Seismic Design Criteria version 2.0 - Memo of Interim Revision (PDF) Seismic Design Criteria version 2.0 - Interim Revision (PDF) 2014 USGS California Hazard Map Implementation (PDF) 2014 USGS Hazard Map - Attachment (PDF) Seismic Design Criteria 1.7

### Seismic Design Criteria | Caltrans

View or download Caltrans engineering manuals, California Amendments to the AASHTO LRFD Bridge Design Specifications, and engineering reference materials.

### Caltrans Engineering Manuals | Caltrans

CALTRANS SEISMIC DESIGN CRITERIA VERSION 1.7 APRIL 2013. ... SEISMIC DESIGN CRITERIA TABLE OF REVISIONS FROM SDC 1.6 TO SDC 1.7 5.2.1. New design information added to "Equivalent Static Analysis" method 5.2.2: New design information added to "Elastic Dynamic Analysis" method ...

### CALTRANS SEISMIC DESIGN CRITERIA VERSION 1.7 APRIL 2013

the Caltrans Seismic Design Specifications for Steel Bridge s (Specifications). The most significant changes of th e second edition are related to shear links, buckling -restrained braces, ductile end cross frames and integr al bent cap connections. A new chapter, "Slab-on-Steel Girder Bridges", is added to implement state-of-the-art ...

### CALTRANS SEISMIC DESIGN SPECIFICATIONS FOR STEEL BRIDGES

20-4 Seismic Retrofit Guidelines for Bridges in California (PDF) Jun-16: 20-4 Attachment 1: 20-4 Attachment 1 Seismic Retrofit Assessment Form (PDF) Sept-16: 20-5: 20-5 Identifying Seismic Design Criteria In The General Notes (PDF) May-10: 20-6: 20-6 Seismic Strength of Concrete Bridge Superstructures (PDF) Aug-01: 20-6 Attachment 1

### Memo To Designers | Caltrans

The Geotechnical Manual documents the Department's standards of practice for geotechnical investigations, design, and reporting. Request documents that are not currently available by emailing: GS@dot.ca.gov Table of Contents

### Geotechnical Manual | Caltrans

The seismic design method- ology for all Caltrans bridges is outlined in the Memo to Designers 20-1 (Caltrans 2010b), in which bridges are clas- sified as important or ordinary based on the requirements for postearthquake operability (i.e., whether the bridge is part of an access pathway to emergency facilities), the economic impact of prolonged closure because of dam- age, and whether the bridge is defined as critical by a local emergency plan.

### Performance-Based Seismic Bridge Design

State of California. Travel Alert CALIFORNIA WILDFIRES - visit CAL FIRE's Twitter page for information about major fires. Visit Caltrans' regional Twitter pages for the latest State Highway System information in your area.

### Manuals | Caltrans

Geotechnical Design Manual M 46-03.12 Page 6-1 July 2019 Chapter 6 Seismic Design 6-1 Seismic Design Responsibility and Policy 6-1.1 Responsibility of the Geotechnical Designer The geotechnical designer is responsible for providing geotechnical/seismic input parameters to the structural engineers for their use in structural design of the

### Chapter 6 Seismic Design

The Division of Engineering Services (DES) is the lead project delivery organization for the design, construction, and oversight of bridge and other transportation structures. DES is a comprehensive, multidisciplinary engineering organization committed to providing our clients with quality products and services in a timely manner.

### Engineering Services (DES) | Caltrans

CALTRANS Manuals: Engineering Services - Bridge Manuals ... Bridge Design Specifications Bridge Memo To Designers Bridge Standard Detail Sheets (XS Sheets) Reference Sheets Seismic Design Criteria Structural Detailing Standards Service Directory Element Inspection Bridge Strudl Manual Bridge Computer Manual. Source Organization Location ...

### CALTRANS Manuals: Engineering Services - Bridge Manuals ...

It covers the following design areas: 1) bridge loads; 2) reinforced concrete design; 3) prestressed concrete design; 4) design of welded steel plate girders; 5) substructures and retaining structures; 6) underground structures; 7) bridge design aesthetics; and, 8) metric seismic analysis of bridge structures

### BRIDGE DESIGN PRACTICE MANUAL

This 2-day course, October 16-17, 2019, provides practical training for bridge design engineers and technicians on the application of the new Caltrans Seismic Design Criteria (Ver 2.0) for the design of typical concrete bridges in California. In particular, this course will focus on slab and cast-in place post-tensioned box girder structures.

### **Seismic Design of Concrete Bridges in California - Local ...**

This tutorial provides a 3D visual for the sample model developed in the Bridge Seismic Design Request manual. Bridge model. Figure 1 - Model from Bridge Seismic Design Request manual. See Also. Bridge Seismic Design manual; Bridge seismic design per AASHTO LRFD 2007 article; Attachments. CSiBridge V16.0.0 model (zipped .BDB file)

### **Model from Bridge Seismic Design Request manual ...**

Chapter 4 Seismic Design and Retrofit Page 4-2 WSDOT Bridge Design Manual M 23-50.19 July 2019 4.1.2 Expected Post-earthquake Service Levels • No Service – Bridge is closed for repair or replacement. • Limited Service – Bridge is open for emergency vehicle traffic: A reduced number of lanes for normal traffic is available within three months of the earthquake; Vehicle

### **Chapter 4 Seismic Design and Retrofit**

Caltrans . Highway Design Manual: Chapter 80 – Application of Design Standards Chapter 200 – Geometric Design Chapter 300 – Geometric Cross Section Chapter 400 – Intersections At Grade Caltrans Plans Preparation Manual . Caltrans Project Development Procedures Manual . AREMA Manual for Railway Engineering

### **APPENDIX 2-C: APPLICABLE DESIGN STANDARDS**

Attachment E provides the City's design guidelines used. by BART and the California Department of Transportation (Caltrans). with the Caltrans Bridge Design Manual and Caltrans Seismic Design Criteria. AASHTO LRFD Bridge Design Specifications & Seismic Bridge Design,

#### **2.2.1 The Bridge Architecture & Aesthetics**

Seismic Design Criteria, Version 1.4 : Caltrans Highway Design Manual ...

### **California High-Speed Rail Authority Bakersfield to ...**

Advancing the seismic design of reinforced concrete bridge columns by Aaron Trask Shelman A dissertation submitted to the graduate faculty in partial fulfillment of ...

### **Advancing the seismic design of reinforced concrete bridge ...**

The following design guidance has been updated: Seismic Design Code (SDC) v2.0. Effective September 1, 2019 all ordinary bridges that have not completed the type selection phase shall be designed in accordance with Caltrans Seismic Design Code Version 2.0 (SDC v2.0).

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