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for the Design of Retaining Systems NACGEA. ACEC Caltrans DES Structures Liaison Committee. Abutment and Wingwall Design Example LRFD Structures.

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3 TRIAL DESIGN BRIDGE DESCRIPTION. MSE Wall with traffic barrier and moment slab

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Recent Changes to Seismic Design Practice in California.

Development of Geotechnical Resistance Factors and. Bent design 00 Structures Resource Site. Chapter 37 Seismic Design Philosophies and Performance.

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Lian Duan'

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July 12th, 2018 - ASD vs LRFD
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'Bent Design LRFD Design of

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LRFD Design of California

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A comparison of the LRFD and

Caltrans procedures is shown

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July 13th, 2018 - The Use of

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Josh Beakley November

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July 4th, 2018 - CalTrans LRFD
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1998 present PCI Bridge Manual'
**'Bridge Design Manual LRFD About
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July 9th, 2018 - This page
introduces the Bridge Design
Manual ? LRFD which provides
design methodology for bridges
that considers load and
resistance factors based on the
known variability of applied
loads and material properties'

**'LRFD Structures Federal Highway
Administration**

July 10th, 2018 - U S Department
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Highway Administration 1200 New
Jersey Avenue SE Washington DC
20590 202 366 4000'

**'Bridge Railing Deck Design
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Overhang Design Caltrans amended
LRFD A13 4 2 as follows'

**'Bridge seismic design per
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June 24th, 2018 - ACEC Caltrans
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'ONLINE BRIDGE ELEMENT DESIGN
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July 1st, 2018 - Ohio Department
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and Resistance Factor Design
Peter Narsavage P E Foundation
Engineering Coordinator'

'Soldier pile wall excavation
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July 13th, 2018 - Soldier pile
wall analyzed with Caltrans LRFD
procedures Caltrans has
specified it s own adaptation of
AASHTO LRFD combinations The
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the general AASHTO combination
is that Caltrans has specified a
safety factor resistance factor
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'LRFD Bridge Design Manual

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July 5th, 2018 - LRFD Bridge Design Manual Changes Dave Dahlberg Bridge Design Manual and Policy Engineer May 17 ? For MnDOT bridges use LRFD for design and LRFR for'

'What s New Caltrans California Department of

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'LRFD California

June 15th, 2018 - LRFD MTD 1 29 ? DECEMBER 2014 Sample Structure Type Selection Report Structure Type Selection Report Caltrans proposes to construct a four lane freeway on State Route 37 from the Napa'

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Guide Specifications for Seismic Design of Highway Bridges LRFD Guidelines for Seismic Design of Highway ? Caltrans Seismic Hazard Practice' **JULY 2016 LRFD BRIDGE DESIGN 11 1**

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'LRFR LOAD RATING PROCESS amp LOAD RATING EQUATION

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'The AASHTO LRFD Bridge Design Specifications Yesterday

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LRFD bridges'

'Traffic barrier on MSE Wall
Earth retention engineering
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previous posts about MSE walls
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clarification Currently Caltrans
requires the use of BDS LFD for
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consultants working on Caltrans
Projects may contact Caltrans
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'Abutment and Wingwall Design
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'TRC Bridge Design Software

*July 11th, 2018 - Preferred
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edition 3 2 aashto lrfd bridge
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**'Chapter 8 Foundation Design
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foundations cut and cover factor
design approach LRFD' 'The AASHTO
LRFD Bridge Design
Specifications Yesterday

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'Proposed Specifications for
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Specifications for LRFD Soil
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**Geotechnical Resistance Factors
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July 13th, 2018 - Currently
Caltrans requires the use of
Caltrans requires the use of BDS
LFD for MSE wall design in lieu
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designing the moment''**MEMO TO D
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deck as well as for the barrier
rails have been established
con''**Recent Changes to Seismic
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to have columns that can LRFD
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'**Development of Geotechnical
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July 6th, 2018 - Development of
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2005' '**Bent design 00 Structures Resource Site**

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Criteria The LRFD Guide Spec has similar requirements that lead the designers' '**Bent design 00 Structures Resource Site**

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DATE 10 19 2007 Requirements based on Caltrans Amendments to AASHTO LRFD and Caltrans Seismic Design Criteria' '2010 LRFD for the Design of Retaining Systems NACGEA

July 6th, 2018 - LRFD for theLRFD for the Design of Retaining Walls Design of Retaining ? Geotechnical consultants working on Caltrans Projects may contact Caltrans LRFD Technical'

'LRFD Based Analysis and Design Procedures for Bridge
July 7th, 2018 - LRFD Based Analysis and Design Procedures for Bridge Bearings and Seismic Isolators by M C Constantinou¹ I Kalpakidis² A Filiatrault¹ and R A Ecker Lay³ Publication Date September 26 2011'

'AASHTO LRFD Guide Specifications for Seismic Design of

July 9th, 2018 - AASHTO LRFD Guide Specifications for Seismic Design of Highway Bridges LRFD Guidelines for Seismic Design of Highway ? Caltrans Seismic Hazard Practice'

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'Proposed Specifications for LRFD Soil Nailing Design and July 5th, 2018 - Proposed Specifications for LRFD Soil Nailing Design and Construction Proposed Specifications for LRFD Soil Nailing Design and Construction Caltrans 2007'

'ONLINE BRIDGE ELEMENT DESIGN AASHTO Bridge Design

July 13th, 2018 - Online Bridge Element Design Software provides you an online place to conduct your designs and calculations for concrete beam flexural and shear capacity based on AASHTO LRFD design specifications 7th Edition'

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'Seismic Analysis and Design of Retaining Walls Buried

November 9th, 2007 - Read chapter Chapter 7 Retaining

Walls TRB's National Cooperative Highway Research Program NCHRP Report 611 Seismic Analysis and Design of Retaini'' Soldier pile wall excavation analyzed with Caltrans LRFD

July 13th, 2018 - Soldier pile wall analyzed with Caltrans LRFD procedures Caltrans has specified it s own adaptation of AASHTO LRFD combinations The primary difference compared to the general AASHTO combination is that Caltrans has specified a safety factor resistance factor on passive pressures of 1 0 for embedded walls'

'LRFD SEISMIC BRIDGE DESIGN CALIFORNIA EXAMPLE

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**State accordance with Caltrans
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**'JULY 2016 LRFD BRIDGE DESIGN 11
1**

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contains guidance for the design
and detailing of abutments piers
retaining walls and noise
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referred to as LRFD Seismic
Guide Spec July 2007 is greatly
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is similar to the LFD design
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introduces the Bridge Design
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