Bridge Design Manual - LRFD
Archive Manual Notices

Manual Notice 2013-1

From: Gregg A. Freeby, P.E., Director, Bridge Division

Manual: Bridge Design Manual - LRFD

Effective Date: March 11, 2013

Purpose

This manual documents policy on bridge design in Texas. It assists Texas bridge designers in applying provisions documented in the *AASHTO LRFD Bridge Design Specifications*, to which designers should adhere unless directed otherwise by this document.

Changes

Revisions to manual to conform to the 6th Edition of the AASHTO LRD Bridge Design Specifications. Generally, revision to manual to update information in Chapter 2 regarding vehicular collision force; add information in Chapter 3 regarding Segmental Spans; add upper limits on pre-tensioned girder concrete strength; add minimum number of beams in a roadway width; add overlay information for Decked Slab Beams; revise material grades and flange width for plate girders; add information in Chapter 4 regarding Post-tensioned Concrete Bent Caps; add minimum drilled shaft sizes; minor revisions in various chapters to reference current editions of publications; minor editorial revisions.

Supersedes

This revision supersedes version 2011-1.

Contact

For more information about any portion of this manual, please contact the Design Section of the Bridge Division.

Archives

Past Manual notices are available in a PDF archive.

Manual Notice 2011-1

From: Gregg A. Freeby, P.E., Director, Bridge Division

Manual: Bridge Design Manual - LRFD

Effective Date: December 22, 2011

Purpose

This manual documents policy on bridge design in Texas. It assists Texas bridge designers in applying provisions documented in the *AASHTO LRFD Bridge Design Specifications*, to which designers should adhere unless directed otherwise by this document.

Changes

Revisions to manual to add information in Chapter 3 regarding Concrete Deck Slabs on Spread Box Beams (X-Beams) and Prestressed Concrete Spread Box Beams (X-Beams); minor revisions in various chapters to reference current editions of publications.

Contact

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Manual Notice 2010-1

From: David P. Hohmann, P.E.

Manual: Bridge Design Manual - LRFD

Effective Date: October 01, 2010

Purpose

This manual documents policy on bridge design in Texas. It assists Texas bridge designers in applying provisions documented in the *AASHTO LRFD Bridge Design Specifications*, to which designers should adhere unless directed otherwise by this document.

Changes

This manual revises policy on concrete deck slabs on stringers, minimum shear reinforcing for inverted tee bent caps and steel-reinforced elastomeric bearings. It also adds information on prestressed concrete decked slab beams.

This manual has been revised to be current with the *AASHTO LRFD Bridge Design Specifications*, 5th Edition (2010).

Contact

For more information about any portion of this manual, please contact the Design Section of the Bridge Division.

Archives

Past manual notices are available in a PDF archive.

Manual Notice 2009-1

From: David P. Hohmann, P.E.

Manual: Bridge Design Manual - LRFD

Effective Date: May 01, 2009

Purpose

This manual documents policy on bridge design in Texas. It assists Texas bridge designers in applying provisions documented in the *AASHTO LRFD Bridge Design Specifications*, to which designers should adhere unless directed otherwise by this document.

Changes

This manual revises policy on foundation load calculations; revises policy on live load deflection check; revises policy on use of empirical design method for slab design; updates prestressed concrete design criteria; revises debonding limits for prestressed concrete design; adds requirements for considering corrosion protection measures; clarifies policy on bearing pad design; revises policy on calculating live load distribution factors for double-tee beams; and corrects minor editorial errors.

This manual has been revised to be current with the *AASHTO LRFD Bridge Design Specifications*, 4th Edition (2007) and 2008 Interim Revisions.

This revision supersedes version 2008-1.

Contact

For more information about any portion of this manual, please contact the Design Section of the Bridge Division.

Archives

Past manual notices are available in a PDF archive.

Manual Notice 2008-1

From: William R. Cox, P.E.

Manual: LRFD Bridge Design Manual

Effective Date: July 01, 2008

Purpose

This manual documents policy on bridge design in Texas. It assists Texas bridge designers in applying provisions documented in the *AASHTO LRFD Bridge Design Specifications*, to which designers should adhere unless directed otherwise by this document.

Changes

This manual has been revised to be current with the 2007 4th Edition of the *AASHTO LRFD Bridge Design Specifications.* It adds information in Chapter 5 for strut-and-tie design method; revises requirements for foundation load calculations; revises interface shear transfer requirements for prestressed beams; clarifies policy on live load distribution factors for beam design; revises policy on debonding design; and corrects inverted tee design formulas.

This revision supersedes version 2007-1.

Contact

For more information about any portion of this manual, please contact the Design Section of the Bridge Division.

Archives

Past manual notices are available in a PDF archive.

Manual Notice 2006-1

From: William R. Cox, P.E.

Manual: *LRFD Bridge Design Manual*

Effective Date: May 01, 2006

Purpose

This manual documents policy on bridge design in Texas. It assists Texas bridge designers in applying provisions documented in the *AASHTO LRFD Bridge Design Specifications*, which designers should adhere to unless directed otherwise by this document.

Changes

This revision adds information on cast-in-place concrete slab spans, straight plate girders, and curved plate girders.

This revision also includes minor corrections and editorial adjustments.

Contact

For more information about any information of this manual, please contact the Design Section of the Bridge Division.