



Florida Department of Transportation

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GOVERNOR

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DENVER J. STUTLER, JR.
SECRETARY

June 26, 2006

TO: District Directors of Operations, District Directors of Production, District Design Engineers, District Structures and Facilities Engineers, District Geotechnical Engineers, District Maintenance Engineers, District Structures Design Engineers

FROM: William Nickas, P.E., State Structures Design Engineer

COPIES: Bob Greer, Jeffrey Ger (FHWA), Brian Blanchard, Tim Lattner, Duane Brautigam, David O'Hagan, Robert Robertson, Larry Sessions, Larry Jones, Henry Bollmann, Andre Pavlov, Marcus Ansley, Steve Plotkin, Elwin Broome.

SUBJECT: Temporary Design Bulletin C06-04
Adoption of the 2006 Interim Revisions to the AASHTO LRFD Bridge Design Specification

*A.V. Pawler
for W.H.*

REQUIREMENTS (3)

1. Replace **Section I.6.7.), Introduction - References**, of the January 2006 Structures Design Guidelines with the following:

LRFD Bridge Design Specification, 3rd Edition (2004), with 2005 Interim Revisions excluding Section 6 and 2006 Interim Revisions excluding Section 6.
2. Replace **Sections 5.1.A and 5.1B, Superstructure - Steel - General**, of the January 2006 Structures Design Guidelines with the following:
 - A. Design straight steel bridge components in accordance with **LRFD** 3rd Edition (2004), with 2005 Interim Revisions excluding Section 6, 2006 Interim Revisions excluding Section 6, and the requirements of this Chapter (for commentary see Section I.6).
 - B. For a bridge with curved steel members for part or all of its length, design the entire bridge, including substructure (with the exception of the traffic railing barriers) in accordance with the **2003 AASHTO Guide Specifications for Horizontally Curved Highway Bridges** and the **AASHTO Standard Specifications for Highway Bridges, 17th Edition**, with a HS-25 live load.

- C. Design the traffic railing barriers and all other bridges within the same project in accordance with the AASHTO *LRFD Bridge Design Specifications*. On all bridges, use the current Structures Design Guidelines as appropriate.
3. Add the following as Section 3.1.B in the Structures Detailing Manual.

As the first item under General Notes, list the version of the Structures Manual and any subsequent Structures Office Temporary Design Bulletins used as the basis for the design of the plans.

COMMENTARY

Replace the commentary under **Section I.6, Introduction - References**, of the Structures Design Guidelines, with the following:

Section 6 of the LRFD 2005 and 2006 Interim Revisions includes a new, comprehensive model for designing both straight and curved steel girder bridges. Since the Department is still evaluating the effects of the new model, Section 6 of the 2005 Interims has not been adopted by FDOT. For other FDOT steel requirements and exceptions, see Chapter 5.

BACKGROUND

Once curved steel girder design software is available that complies with Section 6 of the 2005 and 2006 Interim Revisions, and the design results are verified, the Department will issue a revised policy on both curved and straight steel girder bridges. This process is expected to take more than one year.

IMPLEMENTATION

Requirements 1 and 2 are effective on all designs started on or after June 26, 2006.
Requirement 3 is effective on all projects that 90% complete or less as of June 26, 2006.

CONTACT

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