



Florida Department of Transportation

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ROADWAY DESIGN BULLETIN 07-06

STRUCTURES DESIGN BULLETIN 07-07

DATE: July 25, 2007

TO: District Directors of Transportation Development, District Directors of Operations

FROM: David C. O'Hagan, State Roadway Design Engineer
Robert Robertson, State Structures Design Engineer

COPIES: Lora Hollingsworth, Ananth Prasad, Brian Blanchard, Tim Lattner, Lap Hoang, Tom Malerk, Duane Brautigam, Bruce Dana, Beverly Sutphin

SUBJECT: Design Standards – 2008

Copies of the 2008 Design Standards have been forwarded to offices within your Districts involved in Design, Construction and Maintenance. Additional copies may be obtained from Central Office Maps and Publication.

Consultants, contractors and others outside the Department may purchase copies of the 2008 edition from Central Office Maps and Publications, 605 Suwannee Street, MS-12, Tallahassee, FL 32399-0450, Telephone (850) 414-4050. The price per copy is \$13.80. The standards may also be ordered online at:

<http://www.dot.state.fl.us/mapsandpublications/>

The 2008 Design Standards are also available online in PDF format at:

<http://www.dot.state.fl.us/rddesign/>

Inside the front cover of the Standards booklet is a new notice indicating that it is the responsibility of the Design Engineer of Record to determine the fitness for a particular use of each standard in the design of a project. The inappropriate use of and adherence to the standards does not exempt the engineer for the professional responsibility of developing an appropriate design.

Many of the drainage structure standards were reformatted, resulting in the addition of several sheets in this section.

New standards in the 2008 booklet include:

289 – Concrete Box Culvert Details (LRFD)
291 & 292 – Precast Concrete Box Culvert details
403 – Guardrail Transitions for Existing Bridge Traffic Railing Retrofits
411 – Pier Protection Barrier
430 – Optional Crash Cushion Details
521 – Concrete Steps
851 – Bridge Pedestrian/Bicycle Picket Railing (Steel)
861 – Bridge Pedestrian/Bicycle Picket Railing (Aluminum)
880 – Steel Pipe Guiderail
18000 Series – Intelligent Transportation Systems details
20602 – EDC Instrumentation for Square Precast Concrete Piles
21110 – Poured Joint with Backer Rod Expansion Joint System
21600 Series – Temporary Detour Bridge details
21900 Series – Fender System Details

Many of these new standards were previously published as Interim Standards to the 2006 booklet. A detailed listing of all revisions to the standards is provided in the front of the booklet.

Design Standard 290, “Concrete Box Culverts” (LFD Design) was deleted from the 2008 booklet.

The 2008 Design Standards shall be applied to all projects beginning with the July 2008 letting. The 2006 Design Standards and subsequent revisions shall continue to be applied to all projects to be let PRIOR to July 1, 2008

Please contact the Roadway Design Office at (850) 414-4283 if you have any questions.