



Florida Department of Transportation

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Mail Station 32

ROADWAY DESIGN BULLETIN 07 - 02

DATE: February 5, 2007

TO: District Design Engineers, Plans Preparation Manual Holders

FROM: David C. O'Hagan, P.E., State Roadway Design Engineer

COPIES: Lora Hollingsworth, Brian Blanchard, Tim Lattner, Robert Robertson, Duane Brautigam, Lap Hoang, Chris Richter, FHWA

SUBJECT: Design Standards Modifications July 1, 2007

A handwritten signature in black ink, appearing to read "David C. O'Hagan".

The Design Standards Modifications to the 2006 Design Standards booklet, Effective Date July 1, 2007, have been posted on the Roadway Design Office web site.

The Design Standards Modifications includes a listing of all Interim Design Standards issued since publication of the applicable booklet, plus all changes and corrections to notes and text within the booklet that do not warrant issuing Interim Indexes.

All plans beginning with the July 2007 letting shall include a reference to Design Standards Modifications Effective Date July 1, 2007, on the lower left corner of the Key Sheet below the Governing Specifications and Standards note, and above the Revisions area. For more information please see the Plans Preparation Manual, Volume II, Section 3.8 and Exhibit KS-1.

All Interim Indexes listed in the Design Standards Modifications publication will be applicable unless otherwise indicated in the contract documents. Please note on the web site that there are several Interim Indexes posted with a note stating: "**Not Effective Until January 2008**". These Interim Indexes are not listed in the Design Standards Modifications Effective Date July 1, 2007 and will not be applicable. These have been posted to allow designers additional lead time to incorporate changes into the contract documents for projects to be let after January 1, 2008.

The July 1, 2007, Design Standards Modifications includes all previously issued Interim Indexes plus the following:

Interim Index No. 205 (Sheet 2 of 5), COVER HEIGHT, Dated 01-01-07: New wall thickness dimensions for Round Pipe; increase diameter of polyethylene pipe to 60”.

Interim Index No. 289 (Sheets 1-7 of 7), CONCRETE BOX CULVERT DETAILS (LRFD), Dated 01-01-07: This is a new Index for Box Culverts designed to the AASHTO LRFD Specifications using the Department's Mathcad Design Program. It is used in lieu of Index No. 290 which is for LFD Designs. Structures Sitemenu Data Table cell 00289 should be used with this Index.

Interim Index No. 292 (Sheets 1-14 of 14), STANDARD PRECAST CONCRETE BOX CULVERTS, Dated 01-01-07: This new Index provides standard precast box culvert designs for single cell box culvert sizes up to 12'x12'.

Interim Index No. 310 (Sheet 1 - 2 of 2), CONCRETE SIDEWALK, Dated 01-01-07: Added schedule of varying widths (Sheet 1) and continuous pathway note (Sheet 2).

Interim Index No. 414 (Sheets 13-14 of 14), TYPE K TEMPORARY CONCRETE BARRIER, Dated 01-01-07: These are new sheets to provide details for connecting proprietary temporary concrete barriers directly to Type K Temporary Concrete Barriers.

Interim Index No. 520 (Sheet 1 of 1), GRAVITY WALL, Dated 01-01-07: Removed drawing of guardrail and added Design Note 5.

Interim Index No. 521 (Sheet 1 of 1), CONCRETE STEPS, Dated 01-01-07: This is a new Index replacing the detail removed from the 2004 Design Standards.

Interim Index No. 600 (Sheet 12 of 12), GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES, Dated 01-01-07: This is a new sheet giving details for sign supports in work zones.

Interim Index No. 850 (Sheet 1-5 of 5), STEEL PEDESTRIAN/BICYCLE PICKET RAILING, Dated 01-01-07: Added ADA handrail details for ramps and stairs, and refers to Index 851 for bridge applications.

Interim Index No. 851 (Sheets 1-2 of 2), BRIDGE PEDESTRIAN/BICYCLE PICKET RAILING (STEEL), Dated 01-01-07: This is a new Index for use of picket type pedestrian/bicycle railings on bridges for new construction and retrofits.

Interim Index No. 860 (Sheets 1-5 of 5), ALUMINUM PEDESTRIAN/BICYCLE PICKET RAILING Dated 01-01-07: Added ADA handrail details for ramps and stairs, and refers to Index 861 for bridge applications.

Interim Index No. 861 (Sheets 1-2 of 2), BRIDGE PEDESTRIAN/BICYCLE PICKET RAILING (ALUMINUM), Dated 01-01-07: This is a new Index for use of picket type pedestrian/bicycle railings on bridges for new construction and retrofits.

Interim Index No. 870 (Sheet 1 of 1), ALUMINUM PIPE GUIDERAIL, Dated 01-01-07: Added ADA handrail details for ramps and stairs.

Interim Index No. 880 (Sheets 1-5 of 5), STEEL PIPE GUIDERAIL, Dated 01-01-07: This new Index provides a steel version of the Aluminum Pipe Guiderail (Index No. 870).

Interim Index No. 5204 (Sheet 1 of 1), PRECAST SOUND BARRIERS - FIRE HOSE ACCESS HOLE & DRAINAGE DETAILS, Dated 01-01-07: : Corrected outer dimensions on grating and added edge distance dimension for Expansion Anchors.

Interim Index No. 5300 (Sheets 1-19 of 19), PERMANENT RETAINING WALL SYSTEMS, Dated 01-01-07: Added Note 16 to "CONSTRUCTION" notes (Sheet 1) ; Modified "Table of FDOT Wall Types" (Sheet 2); Changed Junction Slab reinforcing; Added 42" F-Shape, 42" Vertical & Corral Shape Traffic Railing details.

Interim Index 11200 (Sheets 1-3 of 3), MULTI-COLUMN GROUND SIGNS, Dated 01-01-07: AASHTO 2001 LTS-4 Specifications update. Eliminated aluminum post option.

Interim Index Nos. 11860 (Sheets 1-8 of 8), SINGLE COLUMN GROUND SIGNS, Dated 01-01-07: Completely revised. AASHTO 2001 LTS-4 Specifications updates. Eliminated U channel and Square posts, added new Post and Foundation tables and modified ASTM galvanization reference for bolts, nuts and washers.

Interim Index No. 17505 (Sheet 1 of 2), EXTERNAL LIGHTING FOR SIGNS, Dated 01-01-07: 175 Watt Mercury Vapor luminaire requirement removed.

Interim Index No. 21600 (Sheet 1 of 7), TEMPORARY DETOUR BRIDGE GENERAL NOTES AND DETAILS, Dated 01-01-07: Added "Storage Facility" and "Shipping Weights and Dimensions" notes and clarified the Instructions to Designer.

Interim Index No. 21900 (Sheet 1 of 2) FENDER SYSTEM GENERAL NOTES AND LAYOUT, Dated 01-01-07: Changed Instructions to Designer note

The Design Standards, Interim Indexes and Design Standards Modifications can be accessed at the following web site:

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

If you have any questions please contact this office.