



Florida Department of Transportation

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ROADWAY DESIGN BULLETIN 05-04

DATE: July 11, 2005

TO: FDOT Plans Preparation Manual Holders

FROM: Brian A Blanchard

COPIES: Robert Greer, William Nickas, Duane Brautigam, Ananth Prasad, Sharon Holmes

SUBJECT: Design Standards Modifications January 1, 2006

The Design Standards Modifications to the 2004 Design Standards booklet, Effective Date January 1, 2006, has been posted on the Roadway Design Office web site. For the metric Design Standards Modifications to the 2000 Design Standards booklet, Effective Date January 1, 2006, a separate Roadway Design Bulletin will be issued.

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 January 2006 letting shall include a reference to Design Standards Modifications Effective Date January 1, 2006 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 3.12 and Exhibit KS-1.

Note that all Interim Indexes listed in the Design Standards Modifications publication will be applicable unless otherwise indicated in the contract documents. The January 1, 2006 Design Standards Modifications to the 2004 booklet includes all previously issued Interims to the 2004 booklet plus the following:

Interim Index 0201 Supplementary Details For Manholes and Inlets dated 07-01-05, Sheets 4 and 5 of 6 replaces Index 201 sheets 4 and 5 of 6. Equivalent Steel Area Table (Sheet 4) is modified for wall and slab thickness greater than 6" to satisfy AASHTO shrinkage and temperature steel reinforcing requirements. Index 232 Type H Inlets (Sheet 5) wall dimensions and steel reinforcing are revised to show designs for both 6" and 8" wall thickness.

Interim Index 0232 Ditch Bottom Inlets Types C,D,E & H dated 07-01-05, Sheet 1 of 5 replaces Index 232 sheet 1 of 5. The Type H Inlet horizontal wall reinforcement is increased for depths greater than 5 feet to #4 bars @ 5 1/2" Ctrs.

Interim Index 403 Guardrail Transitions For Existing Bridge Traffic Railing Retrofits dated 07-01-05, Sheets 1-2 of 2. This is a new Index providing required guardrail transition details for existing bridge traffic railing retrofits constructed in accordance with 1987 thru 2000 Roadway and Traffic Design Standards Index 401 Schemes 1, 16, and 19. For additional information, see Roadway Design Bulletin 05-03/Structures Design Bulletin C05-07.

Interim Index 430 Optional Crash Cushion Details dated 07-01-05, Sheets 1-2 of 2. This is a new Index on permanent crash cushions that is to be used in conjunction with the new pay item 544-75-40, Vehicular Impact Attenuator/Crash Cushion (Optional). Instructions to designers are included on the Index. For additional information refer to the BOE 2005 Mid Year Update letter dated April 1, 2005.

Interim Index 0670 Motorist Awareness System dated 07-01-05, Sheet 1 of 1. The Motorist Awareness System detailed in Index 0670 shall be used on projects where all of the following conditions exist:

1. Multilane facility
2. Posted speed limit is 55 mph or greater
3. Work operation requires a lane closure
4. Workers are present.

For additional information refer to the BOE 2005 Mid Year Update letter dated April 1, 2005 and DCE Memorandum 06-05 dated 3-30-05. The January 2006 PPM Update will also address the use of this Index.

Interim Index 5040 Retaining Wall System, Hilfiker Square Panel dated 07-01-05, Sheets 1-13 of 13. This permanent wall system is distributed by Hilfiker Retaining Walls and replaces deleted Index No. 5021.

Interim Index 5045 Retaining Wall System, T & B Square Panel dated 07-01-05, Sheets 1-13 of 13. This permanent wall system is distributed by T&B Structural Systems Inc., and replaces deleted Index No. 5021.

Interim Index 5140 Retaining Wall System, Hilfiker Temporary Wire Wall dated 07-01-05,

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Sheets 1-5 of 5. This is a new temporary wall system distributed by Hilfiker Retaining Walls.

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

<http://www.dot.state.fl.us/rddesign/Design%20Standards/Standards.htm>

If you have any questions please contact this office.