



## *Florida Department of Transportation*

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### **ROADWAY DESIGN BULLETIN 05-01**

**DATE:** February 8, 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 July 1, 2005

The Design Standards Modifications to the 2004 Design Standards booklet, Effective Date July 1, 2005, has been posted on the Roadway Design Office web site. The metric Design Standards Modifications to the 2000 Design Standards booklet, Effective Date July 1, 2005 will be posted by February 18, 2005. There will be a separate Roadway Design Bulletin issued when the metric version is posted.

This is the first edition of this publication. 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 (previously handled by Special Provision).

All plans beginning with the July 2005 letting shall include a reference to Design Standards Modifications Effective Date July 1, 2005 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 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 July 1, 2005 Design Standards Modifications to the 2004 booklet includes all previously issued Interims to the 2004

booklet plus the following:

Interim Index 0304 Public Sidewalk Curb Ramps dated 01-01-05, Sheets 1-6 of 6 replaces Index 304 sheets 1-5 of 5. The Curb Ramp Detectable Warning Detail was moved to Sheet 6 and examples of the placement of detectable warning surfaces on various types of ramps added. Notes were revised to require that the detectable warning surface be constructed in accordance with Specification 527. All the Special Provisions in the January 2005 Workbook concerning Index 304 have been incorporated into the Interim Index.

Interim Index 017346 Special Marking Areas dated 01-01-05, Sheet 5 of 13 replaces sheet 5 of 13 of the existing Index. Sign placement distance table modified and transition distance formulas modified.

Interim Index 017500 Conventional Lighting dated 01-01-05, Sheet 1 of 3 replaces sheet 1 of 3 of the existing Index. Wiring method changed and sheet completely redrawn. A corresponding change to Specification 992 has been made to allow the contractor the option to use the wiring method in 17500 or pole cable distribution systems identified on the QPL. There is no change to method of pay.

Interim Index 017900 Traffic Monitoring dated 01-01-05, Sheet 5 of 9 replaces sheet 5 of 9 of the existing Index. Added pull box detail, revised spacing on vehicle sensors and revised loop details.

Interim Index 05015 Retaining Wall Systems, The Reinforced Earth Company, Reinforced Earth Wall dated 01-01-05, Sheets 1-16 of 16 replaces Index 5015 sheets 1-14 of 14. The Interim Index incorporates an alternate soil reinforcement type called High Adherence (HA) Ladders. New light pilaster details have also been added.

Interim Index 05025 Retaining Wall Systems, Tensar Earth Technologies, MSE Retaining Wall dated 01-01-05, sheets 1-16 of 16 replaces Index 5025 sheets 1-17 of 17. The Interim Index incorporates a new panel/soil reinforcement connection called the "Bodkin Splice".

Interim Index 5035 Retaining Wall Systems, SSL, MSE Plus Wall Systems dated 01-01-05, Sheets 1-14 of 14 is added. This is a permanent wall system that can be used in slightly or moderately aggressive environments.

Interim Index 05115 Retaining Wall Systems, The Reinforced Earth Company, Terratrel Wire Wall dated 01-01-05, Sheets 1-6 of 6 replaces Index 5115 sheets 1-4 of 4. The Interim Index incorporates an alternate soil reinforcement type called High Adherence (HA) Ladders. New light pilaster details have also been added.

Interim Index 05125 Retaining Wall Systems, Tensar Earth Technologies, Temporary Retaining

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Wall dated 01-01-05, Sheets 1-5 of 5 replaces Index 5125 sheets 1-4 of 4. The Interim Index Incorporates a new panel/soil reinforcement connection called the "Bodkin Splice".

Interim Index 5130 Retaining Wall Systems, T & B Structural Systems, Inc., Gabion Wire Wall dated 01-01-05, Sheets 1-5 of 5 is added. The Interim Index is a temporary wire face wall that can be used in all environments.

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.