



## Florida Department of Transportation

RICK SCOTT  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

STEPHANIE C. KOPELOUSOS  
SECRETARY


January 6, 2011

This Memo Has Expired

### DCE MEMORANDUM 01-11

(FHWA Approved: 1/5/11)

**TO:** DISTRICT CONSTRUCTION ENGINEERS

**FROM:** David A. Sadler, Director, Office of Construction 

**COPIES:** Robert Robertson, Tom Malerk, Tim Lattner, Chris Richter, Brian Blanchard, Bob Burleson, Chad Thompson, Abraham Scott, Duane Brautigam, Roosevelt Petithomme

**SUBJECT:** INTRODUCTION OF THE NEW FDOT DESIGN STANDARDS INDEX 6000 SERIES

The purpose of this memorandum is to notify you of recent developments regarding retaining walls and related details of which CEI personnel, Contractors and Producers should be aware.

The Department has introduced the new *Design Standards* Index 6000 series which includes a reorganization of the existing *Design Standards* related to retaining walls. There has also been a reorganization of the technical content previously contained in the *Plans Preparation Manual*. The technical content has been restructured, streamlined and placed in appropriate locations within the January 2011 *Structures Manual*.

These changes have been implemented for the following reasons:

1. The Department has adopted recommendations contained in the recently published NCHRP Report 663 which significantly reduce the cost of junction slabs.
2. Retaining wall *Design Standards* were covered under an inconsistent array of index numbers.
3. Guidance for the design and detailing of retaining walls was covered in multiple Department publications making their use more difficult.
4. As they become available, the addition of new wall type *Design Standards* will be more easily facilitated.

With the new Index 6000 series, all retaining wall related *Design Standards* now have a 6000 series number (6010 thru 6201) which makes them easier to find and use. They also incorporate some significant changes that will reduce costs on future projects. The Index 6000 Series will be released with the January 2011 Interim *Design Standards* and their use will be mandatory, beginning with project lettings in July 2011.

The following table shows the new numbering, titles and significant differences between the old and new *Design Standards* for the retaining walls.

New Numbering, Titles and Differences of Retaining Wall Design Standards			
New Index No.	Title of New Index and Number of Sheets	Old Index Number	Significant Differences between Old and New Indexes
6010	C-I-P CANTILEVER RETAINING WALL (2 Sheets)	5100	Traffic Railing no longer integrally attached; utilizes standard Junction Slab details
6011	C-I-P GRAVITY WALL (1 Sheet)	520	Changed Junction Slab detail and concrete cover to 3"
6020	PERMANENT MSE RETAINING WALL SYSTEMS (1 Sheet)	5300 (Sheet 1 of 19)	Notes modified; QPL and Shop Drawing notes move to Specification Section 548; Added MSE wall classification table
6030	TEMPORARY MSE RETAINING WALL SYSTEMS (1 Sheet)	5301	QPL and Shop Drawing notes move to Specification Section 548
6040	PRECAST CONCRETE SHEET PILE WALL (4 Sheets)	20400, 20410, 20412, 20430, 20440	No significant change; sheet consolidation
6100	MSE WALL COPING (PRECAST OR C-I-P) (2 Sheets)	5300 (Sheets 3-4 of 19)	No significant change
6110	WALL COPING WITH TRAFFIC RAILING/JUNCTION SLAB (6 Sheets)	5300 (Sheets 5-10 of 19)	Changed Junction Slab configuration, and maximum build-up/coping recess depth reduced for MSE walls; Added precast traffic railing option;
6120	WALL COPING WITH TRAFFIC RAILING/RAISED SIDEWALK (3 Sheets)	5300 (Sheets 11-13 of 19)	Changed Raised Sidewalk depth, and maximum build-up/coping recess depth reduced for MSE walls.
6130	WALL COPING/PARAPET WITH C-I-P SIDEWALK (2 Sheets)	5300 (Sheets 14-15 of 19)	Changed 1" Neoprene Strip to 1" Preformed Joint Filler
6200	COPING MOUNTED LIGHT POLE PEDESTAL (3 Sheets)	5300 (Sheets 16-18 of 19)	Modified for new Junction Slab; Pilaster name changed to Pedestal
6201	JUNCTION SLAB AT DRAINAGE INLET OPENINGS (1 Sheet)	5300 (Sheet 19 of 19)	Modified for new Junction Slab; Pilaster name changed to Pedestal

For questions or discussion of this matter, contact Steven Plotkin at (904) 360-5501, Rodney Chamberlain at (850) 414-4276 or Steven Nolan at (850) 414-4272.

DS/pw