



# Florida Department of Transportation

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**DCE MEMORANDUM 15-12**  
**(FHWA Approved: 4/18/2012)**  
**ROADWAY DESIGN BULLETIN 12-09**

**DATE:** April 17, 2012

**TO:** District Construction Engineers  
District Design Engineers, Plans Preparation Manual Holders

**FROM:** David A. Sadler, P.E., Director, Office of Construction  
David C. O'Hagan, P.E., State Roadway Design Engineer

**COPIES:** Tom Byron, Tim Lattner, Duane Brautigam, Chris Richter, FHWA

**SUBJECT:** Lifting of Interim Restrictions on Class II HDPE Pipe

## BACKGROUND

Effective July 1, 2005, Section 948 of the Standard Specifications was expanded to include Class II High Density Polyethylene Corrugated Pipe for use with the interim restrictions currently listed in Chapter 6 of the Drainage Manual. Since that time, FDOT and the Manufacturers of Class II HDPE have completed the FDOT full protocol testing requirements. Class II HDPE pipe has now been granted full approval for use on FDOT facilities with the exception of 100-year design service life applications in the Florida Keys. This Bulletin serves to lift the interim restrictions.

## REQUIREMENTS

Class II HDPE shall be considered for 100 year design service life culvert applications for storm drains, cross drains, and side drains without the restrictions currently invoked by Note 8 to Table 6-1 of the Drainage Manual, except that Class II HDPE will still not be used in the Florida Keys.

### **Replace Drainage Manual Table 6-1 Note 8 with the following:**

8. Class II HDPE may not be used for 100 year DSL applications in the Florida Keys.

## DESIGN IMPLEMENTATION

Implement the requirements set forth herein on production projects whose optional pipe design is not yet complete.

Production projects whose optional pipe design is already complete need not be changed to reflect the directives from this bulletin. The Department anticipates that the HDPE pipe industry will be examining projects being let, looking for pipe applications that have become eligible via this bulletin, and will submit inquiries to the Department to confirm the eligibility of HDPE pipe for these applications.

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### CONSTRUCTION IMPLEMENTATION

Construction projects let before the date of this bulletin may incorporate these new requirements subject to the Cost Savings Initiative Proposal provisions of Subarticle 4-3.9.

Specification updates will be implemented in the January 2013 Workbook.

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