



Florida Department of Transportation

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GOVERNOR


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OFFICE OF THE
SECRETARY

STRUCTURES DESIGN BULLETIN C11-03

DATE: March 31, 2011

TO: District Directors of Operations, District Directors of Production, District Design Engineers, District Construction Engineers, District Geotechnical Engineers, District Structures Design Engineers

FROM: Robert V. Robertson, P. E., State Structures Design Engineer 

COPIES: Brian Blanchard, David Sadler, Larry Jones, Andre Pavlov, Charles Boyd, Tom Andres, Sam Fallaha, Dennis Golabek, Tom Waits, Jonathan Van Hook, Garry Roufa, Peter Lai, Rodrigo Herrera, Rudy Powell, Greg Davis, Chris Richter (FHWA), Jeffrey Ger (FHWA), Bob Burleson (FTBA)

SUBJECT: Embedded Data Collector Use in Test Piles is Optional Beginning with July 2011 Lettings

DESIGN REQUIREMENTS

1. Section 3.5.10.F of the January 2011 *Structures Design Guidelines* is revised as follows:
 - F. For projects with letting dates prior to July 1, 2011 - Specify one Embedded Data Collector (EDC) per test pile on all projects with bridges containing 18-inch, 20-inch, 24-inch or 30-inch prestressed concrete test piles. Include Pay Item No. 455-146 (Embedded Data Collector, each) on the Summary of Pay Items. Coordinate with the District Specifications Office to ensure that special provision SP4550512 is included in the specifications package.

For projects with letting dates after July 1, 2011, the use of EDC in test piles is optional, the EDC Pay Item is not valid, and specification requirements are in the July 2011 Workbook.

COMMENTARY

This bulletin removes an item that was inserted into the *Structures Design Guidelines* on a temporary basis. Beginning with projects let in July 2011, Dynamic Load Tests on concrete test piles may be performed using either EDC or instruments using external gauges (such as PDA, etc.). These options are outlined for the contractor in the *Supplemental Specification 455* contained in the July 2011 Workbook. All costs for dynamic load tests are included in the price of the test piles.

DESIGN IMPLEMENTATION

This bulletin is effective immediately for all bridge design projects. The revisions to the *Structures Design Guidelines* contained herein are required for all bridge design projects with 18-inch, 20-inch, 24-inch or 30-inch prestressed concrete test piles with a letting date on or after July 1, 2011.

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