



revisions. Inserts and Lifting Devices are indeed similar between the two. To make this change, revisions, deletions and references have been proposed for Sections 400, 407, 410, 450 and 455.

**Recommended**

**Usage Note:**

Use for projects with precast or precast/prestressed products.

**Estimated fiscal  
impact, if  
implemented:**

None

**Implementation of these changes, if and when approved, will begin with the January 2011 letting.**



## *Florida Department of Transportation*

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### MEMORANDUM

**DATE:** June 23, 2010

**TO:** Specification Review Distribution List

**FROM:** Rudy Powell, Jr., P.E., State Specifications Engineer

**SUBJECT:** Proposed Specification: 4070701 Three-Sided Precast Concrete Culvert.

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Gevin McDaniel because the issue of corrosion protection of lifting devices for precast products had been addressed in a few Specification Sections separately (Section 407, 410 and 455), but were only applicable to those particular products. In lieu of continuing with the sprawling of requirements for protection of lifting devices, the decision was made to locate the language in a central location.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or to my attention via e-mail at ST986RP or rudy.powell@dot.state.fl.us. Comments received after **July 21, 2010** may not be considered. Your input is encouraged.

RP/cah  
Attachment

**THREE-SIDED PRECAST CONCRETE CULVERT.**  
**(REV 6-8-10)**

SUBARTICLE 407-7.7 (of the Supplemental Specification) is deleted and the following substituted:

**407-7.1 Casting:** Cast precast elements in unyielding beds and forms. Ensure bearing surfaces in casting forms are level and straight, and vertical surfaces are plumb prior to casting. Ensure surfaces within the forms against which concrete will be cast, are clean and free from rust and hardened residual concrete. Provide full concrete cover clearance to all form wires and other miscellaneous pieces of metal, except as permitted by Section 415. Bend all tie wires away from the form surface to provide maximum concrete cover. ~~Embedded metal lifting devices may be positioned 1/2 inch below the concrete surface, provided blockouts are backfilled with an epoxy mortar within a distance of 1 1/2 inches of the perimeter of the metal device located within the concrete cover.~~ *Provide inserts and lifting devices in accordance with 450-9.2.1.*