

ORIGNATION FORM

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR (The person who receives or originates the issue and needs to forward the issue for action.)

Specification: 410
Subject: Precast Concrete Box Culvert
Origination date: March 9, 2010
Originator: Tom Malerk
Office/Phone: State Materials Office/352-955-6620

Problem statement: There is a reference in 410 to Section 6. The information in Section 6 has been moved to Section 105. Also, the use of 4X8 cylinders is now permitted in the test method so it does not have to be specified in the Specifications.

Proposed solution: The proposed revision to 410 corrects the reference to Section 105 and the test method.

Information source: The Specifications Office and State Materials Office worked in conjunction to make this change. For more information, contact Ghulam Mujtaba at 352-955-6685.

Recommended Usage Note: All contracts.

Estimated fiscal impact, if implemented: No fiscal impact, the change is for clarification to current requirements.

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



Florida Department of Transportation

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M E M O R A N D U M

DATE: March 9, 2010
TO: Specification Review Distribution List
FROM: Rudy Powell, Jr., P.E., State Specifications Engineer
SUBJECT: Proposed Specification: 4100301 Precast Concrete Box Culvert

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

This change was proposed by Ghulam Mujtaba to revise the specification to reflect the correct references.

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 **April 6, 2010** may not be considered. Your input is encouraged.

RP/cah
Attachment

PRECAST CONCRETE BOX CULVERT.
(REV 2-24-10)

SUBARTICLE 410-3.1 (Page 416) is deleted and the following substituted:

410-3.1 General: Meet the requirements of Section 346, except as modified herein:

Prepare, cure, and test the test cylinders in accordance with ASTM C-31 and ASTM C-39 test methods. ~~The use of 4 x 8 inch test cylinders is allowed for the testing of precast concrete box culverts, provided that it meets the requirements of 450-4.1.~~ Follow the alternative method of compaction, in accordance with ASTM C-497, if the consistency of concrete is too stiff for compaction by rodding or internal vibrations. Expose shipping strength test cylinders to the same curing conditions as the precast concrete box sections. Cure the 28-day strength test cylinders in accordance with Section 346.

Perform all concrete quality control testing and inspections in accordance with 346-9.2.

For training and other qualifications meet the requirements of ~~Article~~*Section* 105-5. Test all QC samples for compressive strength in a laboratory meeting the requirements of ~~6-9~~*Section 105*.