

ORIGINATION FORM

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR

Modify Specification 400.
Section/File number

New Section _____
Section number

Subject: Concrete Structures - Description

Origination date: October 23 2007

Originator: Tom Malerk

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Problem statement: Section 400 currently does not link to Materials Manual Producer requirements. We are proposing to add Volume II information to Section 400 and link to Section 105. Also, Flexural strength beams have been required before a contractor can apply loads to a structure. This revision will provide a means to allow contractors to break cylinders to make this same determination.

Information source: Section 400 should reference Producer requirements and feedback from District Construction personnel and Contractors indicate that the flexural strength requirement is not a realistic test due to its difficulty for laboratories to perform and the additional weight of the beams to place in the testing apparatus and to handle at the project site.

Background data: For more information please contact Susan Blazo at 352-955-6669.

NOTE: The proposed change includes a web link to the pdf file for Materials Manual Section 8.2 Volume II. For information on Materials Manual 8.2 Volume II requirements, contact Guy Padgett at 352-955-6683. For information regarding the testing changes contact Michael Bergin at 352-955-6666.

Recommended Usage Note: All contracts.

Expected fiscal impact, if implemented: No fiscal impact for the Materials Manual addition. No additional requirements are being added. For the flexural strength change, there should be a reduction in the cost to test since the required testing will be compressive strength of cylinders instead of flexural strength of beams so additional equipment typically used to test beams will not be needed.

Implementation of these changes, if and when approved, will begin with the July 2008 letting.



Florida Department of Transportation

CHARLIE CRIST
GOVERNOR

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STEPHANIE KOPELOUSOS
SECRETARY

MEMORANDUM

DATE: November 27, 2007
TO: Specification Review Distribution List
FROM: Duane F. Brautigam, P.E., State Specifications Engineer
SUBJECT: Proposed Specifications Change: 4000100 – Concrete Structures-Description

In accordance with Specification Development Procedures, we are sending you a copy of a proposed new specification change for Concrete Structures-Description.

This change was proposed by Tom Malerk of the State Materials Office to specify that incidental precast products can only be obtained from a plant currently listed with the Producers with Accepted Quality Control Programs for Incidental Precast Products.

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 SP965DB or duane.brautigam@dot.state.fl.us. Comments received after December 22, 2007 may not be considered. Your input is encouraged.

DFB/sh

Attachment

COMMENTS:

Submitted by:

Phone #:

CONCRETE STRUCTURES - DESCRIPTION.
(REV ~~10-15-07~~10-30-07)

ARTICLE 400-1 (Page 359) is deleted and the following substituted:

400-1 Description.

Construct concrete structures and other concrete members, with the exception of pavement and incidental concrete construction (which are specified in other Sections).

Refer to Section 450 for prestressed construction requirements additional to the requirements of this Section.

For precast concrete structures meet the requirements of Section 450 for storage, shipping and erection.

Obtain incidental precast products from a plant that is currently on the list of Producers with Accepted Quality Control Programs ~~for Manufactured Incidental Precast/Prestressed Concrete Products~~. Producers seeking inclusion on the list shall meet the requirements of 105-3.