



Florida Department of Transportation

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GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

STEPHANIE KOPELOUSOS
SECRETARY

December 6, 2007

Dr. Leslie McCarthy, PhD, P.E.
Program Operations Engineer
Federal Highway Administration
545 John Knox Road, Suite 200
Tallahassee, Florida 32303

Re: Office of Design, Specifications
Section 400
Proposed Specification: 4001704.D01 – Concrete Structures

Dear Dr. McCarthy:

We are submitting, for your approval, two copies of a proposed Supplemental Specification for Concrete Structures.

This change was proposed by Tom Malerk of the State Materials Office to update ASTM reference for testing cylinders.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via Email to SP965DB or duane.brautigam@dot.state.fl.us.

If you have any questions relating to this specification change, please call Duane F. Brautigam, State Specifications Engineer at 414-4110.

Sincerely,

Signature on file

Duane F. Brautigam, P.E.
State Specifications Engineer

DFB/sh

Attachment

cc: Gregory Jones, General Counsel
Florida Transportation Builders' Assoc.
State Construction Engineer

CONCRETE STRUCTURES.**(REV ~~7-19-07~~~~10-16-07~~~~12-6-07~~)**

SUBARTICLE 400-17.4 (Page 388) is deleted and the following substituted:

400-17.4 Alternate Procedure: As an alternate procedure, in lieu of the time delay periods set forth in 400-17.1 and 400-17.3, test ~~beams~~ *beams or cylinders* may be cast from representative concrete and cured ~~them~~ identically with the concrete in the corresponding structural component. ~~Make~~ Test the test ~~beams~~ *beams/cylinders* in accordance with ASTM C 31 and ~~test them~~ *cylinders in accordance with* ASTM C ~~783~~~~978~~. When the test results indicate a ~~flexural-compressive~~ *minimum flexural* strength of ~~550-4500~~~~550~~ psi or ~~more~~ *indicate a minimum required compressive strength*, concrete bridge decks and culverts may be opened to traffic ~~and~~ *or* the superstructure and beams *may be* placed on caps.

CONCRETE STRUCTURES.**(REV 12-6-07)**

SUBARTICLE 400-17.4 (Page 388) is deleted and the following substituted:

400-17.4 Alternate Procedure: As an alternate procedure, in lieu of the time delay periods set forth in 400-17.1 and 400-17.3, test beams or cylinders may be cast from representative concrete and cured identically with the concrete in the corresponding structural component. Make the test beams in accordance with ASTM C 31 and test them in accordance with ASTM C 78. When the test results indicate a minimum flexural strength of 550 psi or indicate a minimum required compressive strength, concrete bridge decks and culverts may be opened to traffic or the superstructure and beams may be placed on caps.