



## Florida Department of Transportation

**CHARLIE CRIST**  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

**STEPHANIE KOPELOUSOS**  
SECRETARY

December 18, 2008

Monica Gourdine  
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 Concrete Structures – Protection of Concrete

Dear Ms. Gourdine:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

This change was proposed by Tom Malerk of the State Materials Office to align the titles of qualified personnel with the Construction Training Qualification Manual and to clarify the acceptance requirements when cylinders are used instead of beams.

Please review and transmit your comments, if any, within four weeks. Comments should be sent via Email to ST986RP or rudy.powell@dot.state.fl.us.

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

Sincerely,

Signature on File

Rudy Powell, Jr., P.E.  
State Specifications Engineer

RP/ft  
Attachment

cc: Gregory Jones, Chief Civil Litigation  
Florida Transportation Builders' Assoc.  
State Construction Engineer

**CONCRETE STRUCTURES – PROTECTION OF CONCRETE.****(REV ~~8-14-08~~ ~~10-27-08~~ *12-4-08*)**

SUBARTICLE 400-17.4 (of the Supplemental Specifications) 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 *for beams* or ~~indicate a minimum required compressive strength~~ *the minimum 28-day compressive strength shown in the plans*<sup>5</sup>, concrete bridge decks and culverts may be opened to traffic or the superstructure and beams may be placed on caps.

**CONCRETE STRUCTURES – PROTECTION OF CONCRETE.****(REV 12-4-08)**

SUBARTICLE 400-17.4 (of the Supplemental Specifications) 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 for beams or the minimum 28-day compressive strength shown in the plans, concrete bridge decks and culverts may be opened to traffic or the superstructure and beams may be placed on caps.