



Florida Department of Transportation

JEB BUSH
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JOSÉ ABREU
SECRETARY

April 12, 2005

Mr. Donald Davis
Program Operations Engineer
Federal Highway Administration
227 N. Bronough Street, Suite 2015
Tallahassee, Florida 32301

Re: Office of Design, Specifications
Section 400

Proposed Specification: 4001525.D01 – Concrete Structures – Finishing Concrete.

Dear Mr. Davis:

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

This change was proposed by Robert Robertson, State Structures Office. In the past, profiling and milling of decks was limited to long bridges with riding surfaces that did not meet smoothness requirements. Construction desires to eliminate the finishing of the bridge decks and require planing of all bridge decks over 100’.

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/jho
Attachment

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

CONCRETE STRUCTURES – FINISHING CONCRETE.

(REV ~~3-11-05~~ **4-12-05**)

SUBARTICLE 400-15.2.5.1 (Pages 353-354) is deleted and the following substituted:

400-15.2.5 Class 4 Deck Finish:

400-15.2.5.1 General: Apply a Class 4 finish on bridge decks and concrete approach slabs. On Short Bridges (bridges and approach slabs having a combined length less than or equal to ~~300 feet [100 m]~~ *100- ft [33- m]*), and on Miscellaneous Bridges (*Pedestrian, Trail, and Movable Spans*) regardless of length, meet the finish and smoothness requirements of 400-15.2.5.2 and 400-15.2.5.4. ~~The following bridges are classified as Miscellaneous Bridges: Pedestrian, Trail, widenings, and Movable Spans and those with top of deck concrete cover of less than 2 1/2 inches [64 mm] in thickness.~~ On Long Bridges (bridges and approach slabs having a combined length greater than ~~300 feet [100 m]~~ *100- ft [33- m]*) ~~and a top of deck concrete cover thickness of 2 1/2 inches [126 mm] or greater),~~ meet the finish and smoothness requirements of 400-15.2.5.3 and 400-15.2.5.5. After meeting the screeding requirements of 400-7.13 and curing requirements of 400-16 and the smoothness requirements, herein, groove the bridge deck and approach slabs.

Regardless of bridge length, finish decks with less than 2-1/2" inches [64- mm] of top cover in accordance with the requirements for Short Bridges.

CONCRETE STRUCTURES – FINISHING CONCRETE.
(REV 4-12-05)

SUBARTICLE 400-15.2.5.1 (Pages 353-354) is deleted and the following substituted:

400-15.2.5 Class 4 Deck Finish:

400-15.2.5.1 General: Apply a Class 4 finish on bridge decks and concrete approach slabs. On Short Bridges (bridges and approach slabs having a combined length less than or equal to 100 ft [33 m]), and on Miscellaneous Bridges (Pedestrian, Trail, and Movable Spans) regardless of length, meet the finish and smoothness requirements of 400-15.2.5.2 and 400-15.2.5.4. On Long Bridges (bridges and approach slabs having a combined length greater than 100 ft [33 m]) meet the finish and smoothness requirements of 400-15.2.5.3 and 400-15.2.5.5. After meeting the screeding requirements of 400-7.13 and curing requirements of 400-16 and the smoothness requirements, herein, groove the bridge deck and approach slabs.

Regardless of bridge length, finish decks with less than 2-1/2 inches [64 mm] of top cover in accordance with the requirements for Short Bridges.