



Florida Department of Transportation

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JOSÉ ABREU
SECRETARY

MEMORANDUM

DATE: March 14, 2005

TO: Specification Review Distribution List

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

**SUBJECT: Proposed Specification: 4001525 – Concrete Structures –
Finishing Concrete.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change to Concrete Structures – Finishing Concrete.

This change was proposed by Robert Robertson. 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 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 April 11, 2005 may not be considered. Your input is encouraged.

DFB/jho

Attachment

COMMENTS:

**CONCRETE STRUCTURES – FINISHING CONCRETE.
(REV 3-11-04)**

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 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.