

ORIGINATION FORM

Date: 11-30-2010

Originator: Paul Vinik

Contact Information: paul.vinik@dot.state.fl.us

Specification Title: Cement Concrete Pavement

Specification Section, Article, or Subarticle Number: 350-12.4

Why does the existing language need to be changed? To meet current FDOT practice

Summary of the changes: Changed coating requirement to include alkyd primer.

Are these changes applicable to all Department jobs? All jobs with Section 350. If not, what are the restrictions?

Will these changes result in an increase or decrease in project costs? No change. If yes, what is the estimated change in costs?

With who have you discussed these changes? Construction, Roadway Design, Materials

What other offices will be impacted by these changes? Maintenance

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? Unsure.

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? Construction Memo already in place.

Contact the State Specifications Office for assistance in completing this form.

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Florida Department of Transportation

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STEPHANIE KOPELOUSOS
SECRETARY

MEMORANDUM

DATE: December 8, 2010

TO: Specification Review Distribution List

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

SUBJECT: Proposed Specification: 3501204 Cement Concrete Pavement.

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Paul Vinik of the State Materials Office to be consistent with the current practice of painting the metal dowel bar assemblies with a zinc primer or red oxide alkyd primer.

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 email at SP965RP or rudy.powell@dot.state.fl.us. Comments received after **January 5, 2011** may not be considered. Your input is encouraged.

RP/cah
Attachment

**CEMENT CONCRETE PAVEMENT
(REV 11-30-10)**

SUBARTICLE 350-12.4 (Pages 352 – 353) is deleted and the following substituted.

350-12.4 Load-Transfer Devices: Provide dowel load-transfer devices in all transverse joints. Firmly hold dowel bars in a position parallel to the surface and the centerline of the slab, by approved steel supports and spacers of a type shown in the plans. The Engineer may approve the use of dowel bar supports or assemblies other than those specifically detailed in the plans. Allow the dowels to be free to move in one slab as the concrete contracts and expands. *Paint each dowel with one coat of zinc rich primer or red oxide alkyd based primer meeting the requirements of SSPC Paint 25, Type I or Type II. Wait a minimum of 7 days before coating one-half of the dowel with a lubricant grease approved by the Engineer.* ~~Paint each dowel with one coat of approved zinc rich paint (listed on the Qualified Products List), and grease one end with an approved lubricant, to prevent the concrete from bonding to the dowel.~~ Provide a cap for the free end of expansion joint dowels.

Position each dowel such that its final deviation from parallel to the surface of the pavement and parallel to the longitudinal centerline of the pavement does not exceed 1/2 inch. Position each dowel such that its final deviation from being centered on the joint does not exceed 2 inches. Position each dowel such that at no point in its length does it deviate from the surface of the pavement as shown in the plans in excess of 1 inch. Confirm the position of dowel bars by suitable means acceptable to the Engineer, which may include non-destructive testing methods.