

# ORINATION FORM

## Proposed Revisions to the Specifications

(Please provide all information - incomplete forms will be returned)

Date:

Office:

Originator:

Specification Section:

Telephone:

Article/Subarticle:

email:

**\*\*Will the proposed revision require changes to:**

Publication	Yes	No	Office Staff Contacted and date contacted
Standard Plans Index			
Traffic Engineering Manual			
FDOT Design Manual			
Construction Project Administration Manual			
Basis of Estimate/Pay Items			
Structures Design Guidelines			
Approved Product List			
Materials Manual			

\*\*This section must be completed prior to processing proposed revisions.

**Will this revision necessitate any of the following:**

Design Bulletin

Construction Bulletin

Estimates Bulletin

Materials Bulletin

Are all references to external publications current?

Yes

No

If not, what references need to be updated? (Please include changes in the redline document.)

Why does the existing language need to be changed?

Summary of the changes:

Are these changes applicable to all Department jobs?

Yes

No

If not, what are the restrictions?

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

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## **M E M O R A N D U M**

**DATE:** June 4, 2020  
**TO:** Specification Review Distribution List  
**FROM:** Daniel Strickland, P.E., State Specifications Engineer  
**SUBJECT:** Proposed Specification: **4501106 Precast Prestressed Concrete Construction.**

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

This change was proposed by Ben Goldsberry by the Structures Design Office to prevent the strands from punching through the epoxy coating on the beam ends. Modifying the elapsed time for when the epoxy is applied will allow the majority of the camber and creep to occur and allow water to escape.

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 online at <http://fdotewp1.dot.state.fl.us/programmanagement/development/industryreview.aspx> . Comments received after **July 2, 2020**, may not be considered. Your input is encouraged.

DS/rf

Attachment

**PRECAST PRESTRESSED CONCRETE CONSTRUCTION.****(REV 5-11-20)**

SUBARTICLE 450-11.6.1 is deleted and the following substituted:

**450-11.6.1 Beams Ends that will not be Permanently Encased in Concrete****Diaphragms:**

1. Remove any corrosion product from all accessible surfaces at the cut end of the strands.

2. Apply two layers of epoxy to the exposed beam ends (including clipped and chamfered surfaces) the earlier of: three days maximum prior to shipping, no later than fourteen or forty two days after detensioning.

Ensure that the first epoxy layer is cured before applying the second layer.

The finished thickness of the epoxy coating must be a minimum of 1/16 inch and form a vertical flat plane without deviations or localized depressions from recessed strands or other defects.

Ensure that the epoxy coating is cured per the manufacturer's recommendations prior to shipping the products.

Any modifications to the time limits above must be approved by the Engineer.