

ORIGINATION FORM

Date: December 12, 2013

Originator: Timothy J. Ruelke, P.E.; Director, Office of Materials

Contact Information: Ghulam Mujtaba, P.E. CPM (352) 955-6685

Specification Title: Non-critical Locations of Cracks by Product Type

Specification Section, Article, or Subarticle Number: 450-12.5.3

Why does the existing language need to be changed? The existing version of the specification does not cover cracks in the pretensioned prestressed concrete pole.

Summary of the changes: Sub-article 450-12.5.3, Non-Critical Locations of Cracks by Product Type, is expanded to cover the noncritical locations of cracks in pretensioned prestressed concrete poles.

Are these changes applicable to all Department jobs? Yes, they are applicable to all jobs that have pretensioned poles.

If not, what are the restrictions? N/A

Will these changes result in an increase or decrease in project costs? No, it will not increase the project cost.

If yes, what is the estimated change in costs? N/A

With who have you discussed these changes? Andre Pavlov and Gevin McDaniel with State Structures Design Office; Dan Hurtado and Steve Plotkin with Office of Construction; Ken Shartle District 5 and Miles Zeman with Dura Stress; and Rafael Rincon with State Materials Office.

What other offices will be impacted by these changes? District Materials and Construction Office

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? No

Are all references to external publications current? N/A

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

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? Yes, upon approval, joint construction Memorandum and Materials Bulletin will be needed.

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: December 23, 2013

TO: Specification Review Distribution List

FROM: Daniel Scheer, P.E., State Specifications Engineer

SUBJECT: Proposed Specification: **4501205 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 Tim Ruelke of the State Materials Office to include language to address cracks in pretensioned prestressed concrete poles.

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 SP965DS, or daniel.scheer@dot.state.fl.us. Comments received after **January 20, 2013**, may not be considered. Your input is encouraged.

DS/dt
Attachment

PRECAST PRESTRESSED CONCRETE CONSTRUCTION.**(REV 12-16-13)**

SUBARTICLE 450-12.5.3 is expanded by the following:

450-12.5.3.7: Pretensioned Concrete Poles:

Longitudinal cracks: The length of each crack must be less than twice the base width of the pole.

Transverse or diagonal cracks: Cracks perpendicular to or at an inclined angle to the longitudinal direction of the pole. The length of each crack must be less than two-thirds of the base width of the pole.

Edge cracks: Cracks exhibiting at the edge and extending across one or two adjacent planes of a square pole. The total length of each crack must be less than 2.0 inches.