

ORIGINATION FORM

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR

Modify Specification _____ 450 _____
Section/File number

New Section _____
Section number

Subject: Precast Prestressed Concrete Construction – Handling , Storage, Shipping and Erection

Origination date: July 17, 2007

Originator: Rafiq Darji
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Problem statement: The 3 feet limit for beam pick up points is redundant and possibly even incorrect if the requirements in paragraphs 2, 3, and 4 of Section 450-16.1 are met. Especially for longer beams (say 140' - 160') the 3 feet limit will not work.

Information source: Charles Boyd (SDO), Guy Padgett (SMO) and SCO.

Background data: The 3 feet limitation will not work for all beam lengths. Currently for longer beams, the precast producers or the erecting Contractors have been requesting changes through the Engineer of Record or by indicated on the shop drawings.

Recommended Usage Note: None

Estimated fiscal impact, if implemented: None

Implementation of these changes, if and when approved, will begin with the January 2009 letting.



Florida Department of Transportation

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M E M O R A N D U M

DATE: June 30, 2008

TO: Specification Review Distribution List

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

SUBJECT: Subarticle 4501604, Precast Prestressed Concrete Construction - Erection

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

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 ST986RP or rudy.powell@dot.state.fl.us. Comments received after July 30, 2008 may not be considered. Your input is encouraged.

RP/dr

Attachment

PRECAST PRESTRESSED CONCRETE CONSTRUCTION - ERECTION.

(REV 6-13-08)

SUBARTICLE 450-16.4 (of the Supplemental Specifications) is deleted and the following substituted:

450-16.4 Erection: Erect precast prestressed products without damage. Meet the handling and storage requirements of *450-16.1 and* 450-16.2 for field operations. Before casting diaphragms and the deck slab, do not allow the horizontal alignment of prestressed concrete beams to deviate from a straight line connecting similar points of beam ends by more than the sweep tolerances specified in 450-2.1. *Adequately brace beams as necessary to maintain stability.*