

ORIGINATION FORM

THE INFORMATION BELOW IS TO BE PROVIDED BY THE ORIGINATOR (The person who receives or originates the issue and needs to forward the issue for action.)

Specification: SECTION 641

Subject: 641-2 Materials.

Origination date: October 8, 2008

Originator: Andre Pavlov

Office/Phone: 850-414-4293

Problem statement: Fabricators are requesting to use higher strength concrete.

Proposed solution: Current concrete class (6000 psi) has been in place for over 20 years. Higher strengths are now easily attainable and are being successfully cast in other prestressed concrete products.

Information source: Structures Design Office, FTBA LESS committee

Recommended Usage Note:

Estimated fiscal impact, if implemented: None

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



Florida Department of Transportation

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M E M O R A N D U M

DATE: November 10, 2008
TO: Specification Review Distribution List
FROM: Rudy Powell, Jr., P.E., State Specifications Engineer
SUBJECT: Proposed Specification: 6410100, Prestressed Concrete Poles

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

This change was proposed by Andre Pavlov of the State Structures Design Office to permit higher strength concrete to be used for prestressed concrete poles, to delete the certification requirement, and to reference the appropriate Material Sections for reinforcing steel and prestressed strands.

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 December 10, 2008 may not be considered. Your input is encouraged.

RP/dr
Attachment

PRESTRESSED CONCRETE POLES.
(REV 10-30-08)

ARTICLE 641-1 (Pages 699 and 700) is deleted and the following substituted:

641-1 Description.

Furnish and install prestressed concrete poles for service pole applications, luminaire support, and strain poles for span wire support of traffic signals, signs, and other devices (multiple types). Obtain precast, prestressed concrete poles from a manufacturing plant that is currently on the Department's list of Producers with Accepted Quality Control Programs. Producers seeking inclusion on the list shall meet the requirements of 105-3. Provide poles that are listed on the Department's Qualified Products List (QPL).

~~Provide written certification from the manufacturer of the pole(s) that it meets the requirements of this Section and are the same pole(s) listed on the QPL.~~

Ensure that each pole is *constructed and* permanently and legibly marked in accordance with Design Standards, Index No. 17725, including the date cast.

Ensure that each shipment of products to the job site includes a list of products shipped and the required written certification statement for each product. Provide this list and certification(s) to the Engineer.

ARTICLE 641-2 (Page 700) is deleted and the following substituted:

641-2 Materials.

Meet the following requirements:

Portland Cement Concrete Section 346, Class V Special
..... *or Class VI.*
Reinforcing Steel *931-1*
Prestressed Strands *933-1*