

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.)

Modify Specification 700-8 & 715-6.3.
Section/File number

New Section _____.
Section number

Subject Highway signing & Highway lighting system
Origination date: September 10, 2008
Originators: Tim Ruelke, P.E., District 2 Construction Engineer
Office/Phone: District 2 Construction / (386) 961- 7730
Email address/ timothy.ruelke@dot.state.fl.us

Problem statement: Update language of Specification to require foundations for strain poles, mast arm and monotube assemblies to be tested for concrete strength prior to loading of the foundations. Bring the loading requirement into compliance with concrete strength requirements for loading of structural concrete as stated in table of specification 400-14.

Information source: Robert V. Robertson, JR., P.E. State Structures Design Engineer
Rodney T. Nelson, P.E. District 2 Structures Design

Background data:

Recommended Usage Note: All Jobs

Estimated fiscal impact, if implemented: None



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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: 7150603, Foundations For Light Poles- Installation

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

This change was proposed by Tim Ruelke, District Construction Engineer, to require foundations to be tested for concrete strength prior to loading of the foundations.

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

FOUNDATIONS FOR LIGHT POLES – INSTALLATION.
(REV 10-3-08)

SUBARTICLE 715-6.3 (of the Supplemental Specifications) is deleted and the following substituted:

715-6.3 Installation: ~~Cure cast-in-place foundations for a minimum of seven days before installing the roadway light poles or high mast light poles; except that the Engineer may allow pole installations prior to seven days provided the footing concrete strength~~ *Do not erect roadway light poles or high mast light poles until the concrete strength in the cast-in-place foundation* is at least 2,500 psi. Determine concrete strength from tests on a minimum of two test cylinders, tested in accordance with Section 346.

Fill the voids around precast concrete foundations under roadway light poles with flowable fill meeting the requirements of Section 121 or clean sands placed using hydraulic methods to a level 6 inches below grade.