



Florida Department of Transportation

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May 18, 2009

**** Expired ****

DCE MEMORANDUM NO. 12-09
MATERIALS BULLETIN NO. 10-09
(FHWA Approved: 5/18/09)

**TO: DISTRICT CONSTRUCTION ENGINEERS
DISTRICT MATERIALS RESEARCH ENGINEERS**

FROM: David A. Sadler, P.E., Director, Office of Construction
Thomas O. Malerk, P.E., Director, Office of Materials

COPIES: Robert Robertson, Duane F Brautigam, Mark Wilson (Traffic ops),
District Design Engineers, District Structures Design Engineers, District
Maintenance Engineers, District Structures and Facility Engineers, Bob
Burlison (FTBA), Chad Thompson (FHWA), Jeffrey Ger (FHWA)

SUBJECT: CENTRIFUGALLY SPUN CAST CONCRETE POLES

This memorandum is applicable to projects that are let prior to July 2009. The Specification subarticle 785-3.2.1 of the Florida Department of Transportation, Intelligent Transportation Systems Infrastructure, requires that the centrifugally spun cast concrete poles for closed circuit television (CCTV) meet the Department requirements, which are not clearly defined in the specification. This memo clarifies the Department requirements related to centrifugally spun cast concrete poles are as follows:

- a) Depending on the structural design requirements, use Class V (Special) (as specified in Article 641-2) or Class VI concrete, meeting the requirements of Section 346,
- b) Obtain poles from a manufacturing plant that is currently on the Department's list of qualified Incidental Precast Concrete Plants (as specified in Article 641-1),
- c) Construct concrete poles in accordance with Section 450 specification. Assume responsibility for performance of all quality control testing and inspections in accordance with Sections 346 and 450 specifications and

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Section 8.2 of the Materials Manual. The PCI personnel and plant certifications are not required (as specified in Article 641-3),

- d) Permanently and legibly mark each pole with the pole manufacturer, pole type, length, and the date cast at the same location of the pole as shown on the shop drawings (as specified in Article 641-1),
- e) Provide written certification and delivery tickets from the pole manufacturer, in accordance with Section 8.2 of the Materials Manual, indicating that the poles meet the requirements of Section 785, Standard Index 18113, and the approved shop drawings (as specified in Article 641-1),

Provide shop drawings and design calculations, for poles with 50-year design life, in accordance with 2001 AASHTO Standard Specifications for Structural Supports for Highway Signs Luminaires and Traffic Signals, Section 5, Design Standard Index 18113, and the Volume 9 of Department Structures Design Manual.

The July 2009 specification workbook and Design Standard Index 18113 (effective July 2009) have been revised to clarify the above requirements.

Any questions pertaining to this matter should be directed to Rafiq Darji, (850) 414-4195, rafiq.darji@dot.state.fl.us.

SM/dw