



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

March 18, 2020

MATERIALS BULLETIN NO. 20-08

DCE MEMORANDUM NO. 20-10


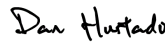
(FHWA Approved: 3/18/2020)

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

FROM: Timothy Ruelke P.E., Director, Office of Materials
Dan L. Hurtado P.E., Director, Office of Construction

COPIES: Will Watts, Scott Arnold, Ananth Prasad, Chad Thompson, Patrick Upshaw, Jose Armenteros

SUBJECT: NON-METALLIC REBAR FASTENER USE IN PRECAST CONCRETE DRAINAGE STRUCTURES AND BOX CULVERTS AND INCIDENTAL PRECAST CONCRETE PRODUCTS

DocuSigned by:



The Department has revised **Section 415 Reinforcing for Concrete** to allow for non-metallic rebar fasteners to be used in precast concrete products upon District Materials Office approval. This revised language was implemented in the January 2020 Standard Specifications, which is also included in the attachment below.

The Department has revised **Materials Manuals Sections 6.3 Precast Concrete Drainage Structures and Box Culverts, and Section 8.2 Incidental Precast Concrete Products** to describe the mock-up and approval process plants must follow to use the fasteners. This revised language was implemented in the July 2020 Standard Specifications, and the respective URLs are included below.

<https://www.fdot.gov/programmanagement/Implemented/URLinSpecs/Section63V2.shtm>

<https://www.fdot.gov/programmanagement/Implemented/URLinSpecs/Section82V2.shtm>

This memorandum serves as blanket approval to process a \$0.00 contract change to incorporate the above referenced revisions into existing contracts and should be attached to the Work Order or Supplemental Agreement.

Should you have any questions please contact Jose Armenteros, 352-955-6666, or Thomas Frank, 352-955-6683.

TR/ja
Attachment

415 REINFORCING FOR CONCRETE.
(REV 5-15-19) (FA 7-9-19) (1-20)

SUBARTICLE 415-5.3.1 is deleted and the following substituted:

415-5.3.1 Steel Reinforcing: Tie steel reinforcing using pliable steel wire that readily bends and twists without breaking and that provides a tie of sufficient strength to hold the steel reinforcing in its proper position. Tie stainless reinforcing steel using plastic coated pliable steel wire; or stainless steel wire meeting the requirements of ASTM A276, UNS S31600.

Non-metallic fasteners for steel reinforcing may be used in precast concrete products upon approval by the appropriate District Materials Office (DMO).