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

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

www.fdot.gov
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).