



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

September 24, 2020

DCE MEMORANDUM NO. 20-21

(FHWA Approval: 03/23/2020)

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

FROM: Dan L. Hurtado P.E., Director, Office of Construction 
DocuSigned by:
Dan Hurtado
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COPIES: Will Watts, Scott Arnold, Ananth Prasad, Chad Thompson, John Westphal,
Patrick Upshaw

**SUBJECT: SPECIFICATION 415 REVISION-ALTERNATIVE BAR TYING
PATTERNS**

The Department has revised Standard Specification 415 Reinforcing Steel to allow for alternate tying patterns of reinforcing steel at the contractor's option.

This memorandum serves as a blanket approval to process a \$0.00 contract change to incorporate the above referenced revision and should be attached to the Work Order or Supplemental Agreement. This change may be incorporated upon the Contractor's request on all active projects that include reinforced concrete bridge decks.

Should you have any questions please contact John Westphal, State Construction Office at 850-414-4141.

DH/jw

Attachment

DCE MEMORANDUM NO. 20-21

Page 2

REINFORCING FOR CONCRETE

(REV 6-1-20) (FA 7-15-20) (1-21)

SUBARTICLE 415-5.10.3 is deleted and the following substituted:

415-5.10.3 Tying: Tie all reinforcing bars in each layer with a double-strand single tie at every intersection on the periphery and at every third intersection in the interior area. Alternatively, at the Contractor's option, tie all reinforcing bars in each layer with a single-strand single tie at every intersection on the periphery and at every other intersection within the interior area. If encountering difficulty in maintaining the reinforcing bars in position during the placing of concrete, tie additional intersections as necessary to hold the reinforcing bars secure.