



Florida Department of Transportation

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GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JIM BOXOLD
SECRETARY

January 20, 2017

Khoa Nguyen
Director, Office of Technical Services
Federal Highway Administration
3500 Financial Plaza, Suite 400
Tallahassee, Florida 32312

Re: State Specifications Office
Section: **415**
Proposed Specification: **4150503 Reinforcing for Concrete.**

Dear Mr. Nguyen:

We are submitting, for your approval, two copies of the above referenced Supplemental Specification.

The changes are proposed by Chase Knight of the State Materials Office (SMO) to update the language.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to dan.hurtado@dot.state.fl.us.

If you have any questions relating to this specification change, please call me at 414-4130.

Sincerely,

Signature on file

Dan Hurtado, P.E.
State Specifications Engineer

DH/dt

Attachment

cc: Florida Transportation Builders' Assoc.
State Construction Engineer

REINFORCING FOR CONCRETE.
(REV 11-10-16)

SUBARTICLE 415-5.3 is deleted and the following substituted:

415-5.3 Tying:

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, ~~polymer, or nylon~~ coated pliable steel wire; or stainless steel wire meeting the requirements of ASTM A276, UNS S31600.

415-5.3.2 Fiber Reinforcing Polymer (FRP) Reinforcing: Tie FRP reinforcing using ~~self-locking plastic straps; plastic, polymer, or nylon-plastic~~ coated pliable steel wire that readily bends and twists without breaking and that provides a tie of sufficient strength to hold the FRP reinforcing in its proper position.

ARTICLE 415-8 is deleted and the following substituted:

415-8 Basis of Payment.

Price and payment will be full compensation for all work specified in this Section, including all welding, all clips, spacers, ties, mechanical couplers, etc., and wire or other material used for fastening the reinforcement in place.

If spliced bars are used when full length bars might reasonably be required, the ~~weight~~ quantity paid for will be only that which would be obtained if full length bars were used, with no allowance for lap.

Payment will be made under:

- | | |
|-------------------|---|
| Item No. 415- 1- | Reinforcing Steel - per pound. |
| Item No. 415- 2- | Stainless Reinforcing Steel – per pound. |
| Item No. 415- 3- | Low Carbon Chromium Reinforcing Steel – per pound. |
| Item No. 415- 10- | Fiber Reinforced Polymer Reinforcing Bar – per linear foot. |

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415-5.3 Tying:

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.

415-5.3.2 Fiber Reinforcing Polymer (FRP) Reinforcing: Tie FRP reinforcing using self-locking plastic straps; or plastic coated pliable steel wire that readily bends and twists without breaking and that provides a tie of sufficient strength to hold the FRP reinforcing in its proper position.

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- Item No. 415- 1- Reinforcing Steel - per pound.
- Item No. 415- 2- Stainless Reinforcing Steel – per pound.
- Item No. 415- 3- Low Carbon Chromium Reinforcing Steel – per pound.
- Item No. 415- 10- Fiber Reinforced Polymer Reinforcing Bar – per linear foot.