



*Florida Department of Transportation*

RON DESANTIS  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.  
SECRETARY

June 10, 2020

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

Re: State Specifications Office  
Section: **451**  
Proposed Specification: **4510405 Prestressed Soil Anchors.**

Dear Mr. Nguyen:

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

The changes are proposed by Jose Armenteros of the State Materials Office to include Section 921 as a reference for the types of cement.

Please review and transmit your comments, if any, within two weeks. Comments should be sent via email to [daniel.strickland@dot.state.fl.us](mailto:daniel.strickland@dot.state.fl.us)

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

Sincerely,

Signature on file

Daniel Strickland, P.E.  
State Specifications Engineer

DS/rf

Attachment

cc: Florida Transportation Builders' Assoc.  
State Construction Engineer

**PRESTRESSED SOIL ANCHORS**  
**(REV 3-4-20)**

SUBARTICLE 451-4.5 is deleted and the following substituted:

**451-4.5 Cement Grout:** Use grout for anchorage consisting of a pumpable mixture of ~~Type I, II, or III~~ portland cement meeting the requirements of ~~Section 921 AASHTO M85~~, sand, water, and admixtures. The Contractor may use admixtures which control bleed, improve flowability, reduce water content, and retard set in the grout subject to the approval of the Engineer. The Contractor may only add expansive admixtures to the grout used for filling sealed encapsulations, trumpets, and anchorage covers. Do not use accelerators. Use admixtures compatible with the prestressing steels and mixed in accordance with the manufacturer's recommendations.

Do not perform strength testing as system performance will be measured by proof-testing each anchor. The Department may require grout cube testing if the Contractor uses admixtures or irregularities occur in anchor testing. Use grout that attains a minimum cube strength of 3,400 psi within seven days.

**PRESTRESSED SOIL ANCHORS****(REV 3-4-20)**

SUBARTICLE 451-4.5 is deleted and the following substituted:

**451-4.5 Cement Grout:** Use grout for anchorage consisting of a pumpable mixture of portland cement meeting the requirements of Section 921, sand, water, and admixtures. The Contractor may use admixtures which control bleed, improve flowability, reduce water content, and retard set in the grout subject to the approval of the Engineer. The Contractor may only add expansive admixtures to the grout used for filling sealed encapsulations, trumpets, and anchorage covers. Do not use accelerators. Use admixtures compatible with the prestressing steels and mixed in accordance with the manufacturer's recommendations.

Do not perform strength testing as system performance will be measured by proof-testing each anchor. The Department may require grout cube testing if the Contractor uses admixtures or irregularities occur in anchor testing. Use grout that attains a minimum cube strength of 3,400 psi within seven days.