ORIGINATION FORM
Proposed Revisions to the Specifications
(Please provide all information - incomplete forms will be returned)

Date: 10/14/15

Specification Section: 100, 108, 120,121, 125, 145, 160, 200, 410,4

Originator: Amy Tootle, P.E.

Articles/Subarticles: Varies

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email: amy.tootle@dot.state.fl.us

Will the proposed revision involve Design Standard Index changes? Yes ○ No ◉

Roadway Design staff contacted (name): N/A

Structures Design staff contacted (name): N/A

Will the proposed revision involve PPM changes? Yes ○ No ◉

Roadway Design staff contacted (name): N/A

Will the proposed revision involve CPAM changes? Yes ○ No ◉

Construction staff contacted (name): John Wetsphal, Chris Lewis, Juan Castellanos

Will the proposed revision involve Pay Item changes? Yes ○ No ◉

Estimates staff contacted (name): Maria Irizarry

Will the proposed revision involve SDG changes? Yes ○ No ◉

Structures staff contacted (name): N/A

Will the proposed revision involve APL changes? Yes ○ No ◉

Product Evaluation staff contacted (name): N/A

Will the proposed revision involve Material Manual changes? Yes ○ No ◉

State Materials Office staff contacted (name): N/A

Will this revision necessitate any of the following:

Design Bulletin ☐ **Construction Bulletin** ☐ **Estimates Bulletin** ☐ **Materials Bulletin** ☐

Are all references to external publications current? Yes ◉ No ○

If not, what references need to be updated? (Please include changes in the redline document.)

Why does the existing language need to be changed?

The State Construction Office is looking at efficiency gains and converting business practices into a paperless environment. For consistency with e-Construction requirements, the existing specification language needs to be revised, so that stakeholders doing business with the Department submit construction documentation electronically.

Summary of the changes:

Revised specification language to allow for all construction documentation to be submitted electronically including but not limited to removal of references to paper and multiple copies of documents.

Are these changes applicable to all Department jobs? Yes ◉ No ○

If not, what are the restrictions?

Contact the State Specifications Office for assistance in completing this form.
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SECRETARY

M E M O R A N D U M

DATE: November 5, 2015

TO: Specification Review Distribution List

FROM: Daniel Scheer, P.E., State Specifications Engineer

SUBJECT: Proposed Specification: **4510802 Prestressed Soil Anchors.**

In accordance with Specification Development Procedures, we are sending you a copy of a proposed specification change.

This change was proposed by Amy Tootle of the State Construction Office to require all construction-related documentation to be submitted by electronic means for consistency with the State Construction Office e-Construction initiative.

Please share this proposal with others within your responsibility. Review comments are due within four weeks and should be sent to Mail Station 75 or online at http://www2.dot.state.fl.us/ProgramManagement/Development/IndustryReview.aspx . Comments received after **December 3, 2015,** may not be considered. Your input is encouraged.

DS/dt
Attachment

PRESTRESSED SOIL ANCHORS.
(REV 10-14-15)

SUBARTICLE 451-8.2.3 is deleted and the following substituted:

451-8.2.3 Anchorage and Trumpet: Use non-restressable anchorage devices except where indicated in the Plans. Provide restressable anchorages on those prestressed soil anchors designated as restressable in the Plans. Ensure that the post-tensioning supplier provides a restressable anchorage compatible with the post-tensioning system provided along with written recommendations concerning the restressing of the tendons.

If using strand tendons, ~~provide~~ submit written recommendations from the post-tensioning supplier for seating the wedges. Include with the recommendations the minimum load required to properly seat the wedges in the anchor head.

Size the bearing plates so that:

1. the bending stresses in the plate do not exceed the yield strength of the steel when applying a load equal to 95% of the minimum specified ultimate tensile strength of the tendon; and

2. the average bearing stress on the concrete does not exceed that recommended in Section 3.1.7 of the Post Tensioning Institute Guide Specification for Post-Tensioning Materials.

Weld the trumpet to the bearing plate. Provide a trumpet that has an inside diameter equal to or larger than the hole in the bearing plate. Ensure that the trumpet is long enough to accommodate movements of the structure during testing and stressing. For strand tendons with encapsulation over the unbonded length, provide a trumpet that is long enough to enable the tendon to make a transition from the diameter of the tendon in the unbonded length to the diameter of the tendon at the anchor head without damaging the encapsulation. Ensure that trumpets filled with corrosion-inhibiting grease have a permanent Buna-N synthetic rubber or approved equal seal provided between the trumpet and the unbonded length corrosion protection. Ensure that trumpets filled with grout have a temporary seal provided between the trumpet and the unbonded length corrosion protection or that the trumpet overlaps the unbonded length corrosion protection by a minimum of 12 inches and fits tightly over the unbonded length corrosion protection.