

## **ORIGINATION FORM**

Date: **11/15/13**

Originator: Charles Boyd

Contact Information: **414-4275**

Specification Title: **POST-TENSIONING COMPONENTS**

Specification Section, Article, or Subarticle Number: **960-2.1(f)**

Why does the existing language need to be changed? **3/8" vent hole through wedge plate has been determined to not be necessary.**

Summary of the changes: **Deleted requirement for 3/8" vent hole through wedge plate.**

Are these changes applicable to all Department jobs? **Yes**

If not, what are the restrictions?

Will these changes result in an increase or decrease in project costs? **No change anticipated.**

If yes, what is the estimated change in costs?

With who have you discussed these changes? **Robert Robertson, Sam Fallaha, Will Potter, Dan Hurtado**

What other offices will be impacted by these changes? **Construction**

Are changes needed to the PPM, Design Standards, SDG, CPAM or other manual? **No.**

Is a Design Bulletin, Construction Memo, or Estimates Bulletin needed? **No**

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

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ANANTH PRASAD, P.E.  
SECRETARY

### MEMORANDUM

**DATE:** November 25, 2013

**TO:** Specification Review Distribution List

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

**SUBJECT:** Proposed Specification: **9600201 Post-Tensioning Components.**

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

This change was proposed by Charles Boyd of the State Structures Design Office to delete the requirement for 3/8" vent holes through wedge plates. It has been determined this requirement is unnecessary.

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 to my attention via e-mail at SP965DS, or daniel.scheer@dot.state.fl.us. Comments received after **December 23, 2013**, may not be considered. Your input is encouraged.

DS/dt  
Attachment

**POST-TENSIONING COMPONENTS.****(REV 11-15-13)**

SUBARTICLE 960-2.1 is deleted and the following substituted:

**960-2.1 Anchorage Assembly:**

- (a) Construct anchorages from ferrous metal.
- (b) Anchorage shall develop at least 95% of PT steel guaranteed ultimate tensile strength (GUTS) when tested in an unbonded state, without exceeding anticipated anchor set.
- (c) Average concrete bearing stress shall be in compliance with AASHTO LRFD Bridge Design Specifications and "AASHTO LRFD Bridge Construction Specifications."
- (d) Test anchorage with typical local zone reinforcement shown in system drawings.
- (e) Anchorages with grout outlets shall be suitable for inspection from either top or front of anchorage. Anchorage may be fabricated to facilitate both inspection locations or may be two separate anchorages of the same type, each providing singular inspection entry locations.
- (f) Geometry of grout outlets must facilitate access for endoscope inspection directly behind wedge plate using a straight 3/8 inch diameter drill bit. ~~For all PT systems other than 4 strand flat configurations, place vent holes of 3/8 inch minimum diameter through wedge plate to allow for passage of grout and inspection.~~
- (g) Ferrous metal components of an anchorage that are to be embedded in concrete shall be galvanized in accordance with Section 962. Other anchorage assembly components, including wedges, wedge plates, and local zone reinforcement need not be galvanized.
- (h) All anchorages shall have a permanent vented anchorage cap bolted to anchorage.