

4620000 POST-TENSIONING  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Karen Byram  
(850 414-4353  
Karen.Byram@dot.state.fl.us

Comments: (Internal, 11-8-18)

Throughout this document the word “filler” is used. Since the spec defines a Duct Filler and a Flexible Filler, when the term “filler” is used it should be expanded to either Duct Filler or Flexible Filler for clarity.

Response: Thank you for relaying the comment. The spec is clear as is/no changes based on this comment.

- 1) The term “filler” used alone applies to grout and wax
- 2) When it is important to distinguish between grout and wax filler then we do add the words “grout” or “flexible” or wax
- 3) The specification is broken out into two separate sections, one for grout and one for wax, so it is clear what filler is to be used.

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No Name

Comments: (Industry, 11-21-18)

Regarding 462-7.4.2.1.4 Equipment 4. For filling of air voids... Change "..have the required equipment and personal ..." to "..have the required equipment and personnel ..."

Response: Agree, change highlighted above,

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JC Miseroy  
(813) 367-9635  
Jc.miseroy@gcinc.com

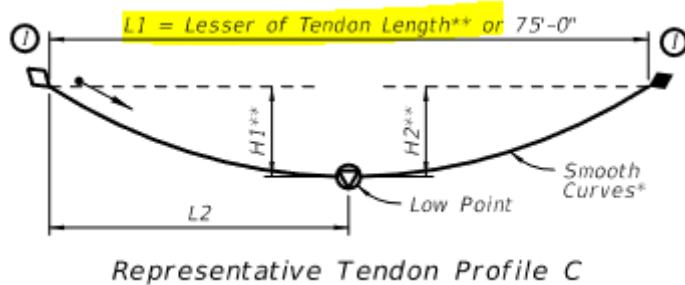
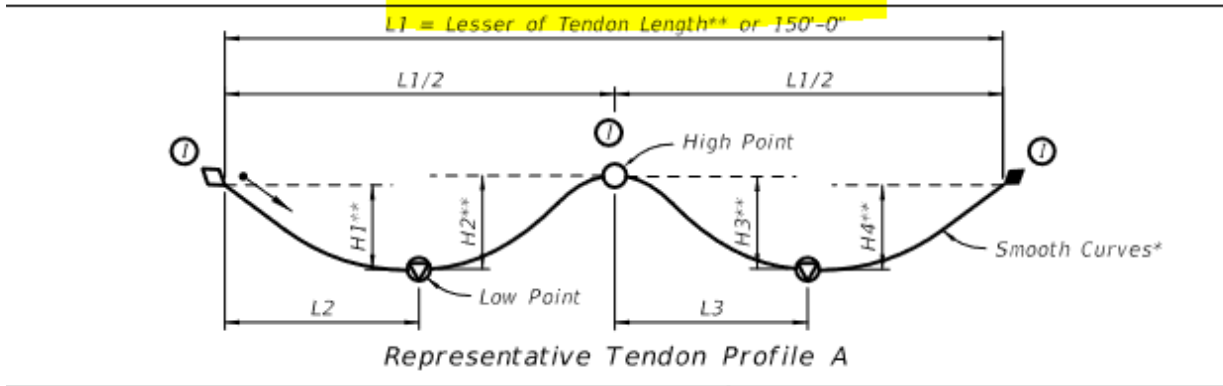
Comments: (Industry, 11-30-18)

In Sub-Article 462-7.4.1.1 there is a requirement to perform full-scale mockups of a tendon using the same materials to be used in a permanent tendon. Has FDOT accomplished this successfully on previous projects? While this is not a change in this specification update, we have heard of issues on projects in other states when trying to perform this mockup. For really long continuity tendons (+400 feet) this becomes very difficult, because you have to put force into the tendon in order to get proper grouting results. It is very costly and hard to get good results due to the mock-up system being much more flexible than when the PT system is installed in concrete segments. Would it be possible to shorten the length of the mockup, or to perform more detailed testing and inspection of the first erected span?

- 1) Response: Please see section 1.11.5 of the Structures Design Guidelines. Projects referencing the 2016 version of the Structures Manual and later will use flexible filler for the continuity tendons.
- 2) Please note that per the Standard Plans Instructions for the 462 series, mockups do not require the use of corrugated plastic duct. Smooth PE duct is to be used for all mockups,

including mockups using grout.

- 3) The specific details of the mockup are handled on a per project basis. "Full Scale" does not always mean that the mockup must use the longest tendons. Please references the Standard Plans Instructions for the 462 series for further information. These requirements do not belong in the Specifications.
- 4) Please note that page 7 of the Standard Plans Instructions for the 462 series state that the mockup length is to be the lesser of the tendon length or 75 or 150ft depending on the tendon profile. Any further clarifications do not belong in the Specifications.



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No Name

Comments: (Industry, 12-3-18)

Section 462-7.4.2.1.4, Item 4, replace "personal" with "personnel". Section 462-8.3.2.2.1, Item 8, should read, "...and approved "by" the Engineer."

Response: Agree. Change highlighted above.

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