



Florida Department of Transportation

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MEMORANDUM

DATE: June 2, 2015

TO: Specification Review Distribution List

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

SUBJECT: Proposed Specification: **1050808 Contractor Quality Control General Requirements..**

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 modify the language to allow for use of flexible filler in post-tensioning applications. Revisions to include flexible filler are also proposed for Sections 452, 462, 938, and 960.

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 **June 30, 2015**, may not be considered. Your input is encouraged.

DS/dt
Attachment

**CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS.
(REV 5-19-15)**

SUBARTICLE 105-8.8.7 is deleted and the following substituted:

105-8.8.7 Post-Tensioning (PT) and Grouting Filler Injection Personnel

Qualifications: Perform all stressing and grouting filler injection operations in the presence of the Engineer and with personnel meeting the qualifications of this article. Coordinate and schedule all PT and grouting filler injection activities to facilitate inspection by the Engineer

105-8.8.7.1 Post-Tensioning: Perform all PT field operations under the direct supervision of a Level II CTQP Qualified PT Technician who must be present at the site of the post-tensioning work during the entire duration of the operation. For the superstructures of bridges having concrete post-tensioned box or I girder construction, provide at least two CTQP Qualified PT Technicians, Level I or II, on the work crew. The supervisor of the work crew, who must be a Level II CTQP Qualified PT Technician, may also be a work crew member, in which case, the supervisor shall count as one of the two CTQP qualified work crew members. For PT operations other than the superstructures of post-tensioned box or I girder construction, perform all PT operations under the direct supervision of a Level II CTQP Qualified PT Technician who must be present at the site of the PT work during the entire duration of the operation. Work crew members are not required to be CTQP qualified.

105-8.8.7.2 Grouting: Perform all grouting field operations under the direct supervision of a Level II CTQP Qualified Grouting Technician who must be present at the site of the grouting work during the entire duration of the operation. For the superstructures of bridges having concrete post-tensioned box or I girder construction, provide at least two CTQP Qualified Grouting Technicians, Level I or II, on the work crew. The supervisor of the work crew, who must be a Level II CTQP Qualified Grouting Technician, may also be a work crew member, in which case, the supervisor shall count as one of two CTQP qualified work crew members. For grouting operations other than the superstructures of post-tensioned box or I girder construction, perform all grouting operations under the direct supervision of a Level II CTQP Qualified Grouting Technician who must be present at the site of the grouting work during the entire duration of the operation. Work crew members are not required to be CTQP qualified.

_____ Perform all vacuum grouting operations under the direct supervision of a crew foreman who has been trained and has experience in the use of vacuum grouting equipment and procedures. Submit the crew foreman's training and experience records to the Engineer for approval prior to performing any vacuum grouting operation.

105-8.8.7.3 Flexible Filler Injection: Perform all filler injection operations under the direct supervision of a Filler Injection Foreman who has ASBI certification in the injection process being used, or verifiable experience performing injection of similar flexible filler on at least two projects. Provide at least two CTQP Qualified Grouting Technicians, one whom must be a Level II CTQP Qualified Grouting Technician, both of whom must be present at the site of the flexible filler injection work during the entire duration of the operation.

Provide a Filler Injection Quality Control (QC) Inspector who has ASBI certification in the injection process being used, or verifiable experience performing injection of similar flexible filler on at least two projects. The Filler Injection QC Inspector must

be present at the site of the flexible filler injection work during the entire duration of the operation.

Perform all flexible filler repair operations under the direct supervision of a crew foreman who has been trained and has verifiable experience in the use of vacuum flexible filler repair equipment and procedures.