Supplemental Specification

January 2, 2013

GROUT FOR POST-TENSIONING AND PRESTRESSED CORED SLABS

Delete Subsection 704.2.6 and 704.2.7 of the Standard Specifications in their entirety and replace them with the following:

704.2.6 Post-Tensioning Grout

Use a commercial premixed grout specifically designed for grouting steel cables, anchorages, and rods meeting ASTM C 1107 requirements and approved in writing by the SME or BCE. Ensure that the commercial premixed grout is non-shrink, non-corrosive and non-metallic. At the option of the contractor a mixture of cement, water, and sand in the proportions of 1 bag of cement to 50 pounds of sand (all passing the No. 30 sieve) to about 5½ gallons of water may be used instead of the commercial premixed grout. Ensure that the sand and cement are from sources listed on the most recent editions of SCDOT Qualified Products List 1 and SCDOT Qualified Products List 6. Ensure that water meets the requirements of Subsection 701.2.11. Use the amount of water necessary to provide a grout of the consistency of thick paint. The sand may be omitted if desired, but take care to obtain the consistency stated above. Mix the grout in a mechanical mixer for at least 2 minutes and keep it constantly agitated.

704.2.7 Grout for Prestressed Cored Slabs

Use a non-shrink, non-corrosive, and non-metallic grout meeting ASTM C 1107 requirements and approved in writing by the SME or BCE in the shear keys, dowel holes, and all recesses in the prestressed concrete of cored slabs that reaches a compressive strength of 5000 psi in 24 hours.

APPROVED: JAN 31, 2013
Division Administrator
By: FEDERAL HIGHWAY ADMINISTRATION