

# EXPECTED IMPLEMENTATION (FY 2023-24)

## 451 PRESTRESSED SOIL ANCHORS (REV 7-7-22) (FA 8-25-22) (FY 2023-24)

SUBARTICLE 451-4.5 is deleted and the following substituted:

**451-4.5 Cement Grout:** Use grout for anchorage consisting of a pumpable mixture of portland cement meeting the requirements of Section 921, sand, water, and admixtures. The Contractor may use admixtures which control bleed, improve flowability, reduce water content, and retard set in the grout subject to the approval of the Engineer. The Contractor may only add expansive admixtures to the grout used for filling sealed encapsulations, trumpets, and anchorage covers. Do not use accelerators. Use admixtures compatible with the prestressing steels and mixed in accordance with the manufacturer's recommendations.

Do not perform strength testing as system performance will be measured by proof-testing each anchor. The Department may require cylinder testing if the Contractor uses admixtures or irregularities occur in anchor testing. Cast a set of three 4 inches x 8 inches grout cylinders for each LOT in accordance with ASTM C31, except fill the cylinder molds in one layer without rodding. Use grout that attains a minimum compressive strength of 3,400 psi within seven days, when tested in accordance with ASTM C39