450 MATERIAL ACCEPTANCE AND TESTING - CONCRETE.
(REV 5-2-03) (FA 6-19-03) (1-04)

SUBARTICLE 450-4.1 (Page 420) is deleted and the following substituted:

450-4.1 Concrete: Perform the QC sampling and testing of concrete in accordance with the requirements of Section 346, except as modified herein. When the maximum nominal size of the aggregate in the concrete mix does not exceed 1 inch [25 mm], 4 x 8 inch [100 x 200 mm] test cylinders may be used for compressive strength tests of concrete. The use of 4 x 8 in [100 x 200 mm] test cylinders requires that the approved mix design contain compressive strength test data for both 6 x 12 inch [150 x 300 mm] and 4 x 8 inch [100 x 200 mm] test cylinders. For the QA tests the Engineer will use the same size test cylinders that are used for the QC sampling and testing.

SUBARTICLE 450-11.2 (Page 435) is deleted and the following substituted:

450-11.2 Method of Stress Transfer: In all detensioning operations, keep the prestressing forces nearly symmetrical about the vertical axis of the product and apply them in a manner that will minimize sudden shock or loading. Remove or loosen forms, ties, inserts, or other devices that would restrict longitudinal movement of the products along the bed. Release hold-downs for products with draped strands in a sequence as shown in the plans or QCP. Cut dormant strands (partially tensioned strands) in top of beams before releasing any fully tensioned strands. Release fully bonded strands next, beginning with the lowest row and moving upwards, followed progressively by strands having the minimum length of tubular sheathing through to those strands having the maximum length of tubular sheathing. The Contractor may propose alternative detensioning patterns to suit his particular operation. Specify the method of the stress transfer to be used either in the QCP or the construction submittal.

Transfer prestressing forces to the concrete by either single strand release or multiple strand release.