

# EXPECTED IMPLEMENTATION JANUARY 2021

## 450 PRECAST PRESTRESSED CONCRETE CONSTRUCTION. (REV 7-27-20) (FA 8-3-20) (1-21)

SUBARTICLE 450-11.6.1 is deleted and the following substituted:

### **450-11.6.1 Beams Ends that will not be Permanently Encased in Concrete Diaphragms:**

1. Remove any corrosion product from all accessible surfaces at the cut end of the strands.
  2. Apply two layers of epoxy to the exposed beam ends (including clipped and chamfered surfaces) at the applicable time frame below:
    - a. For beams without debonded strands, at least three calendar days prior to shipping but no later than 50 calendar days after detensioning.
    - b. For beams with debonded strands, between 45 and 50 calendar days after detensioning. If the beam requires shipment prior to 42 calendar days, at least three calendar days prior to shipping.
  3. As an option to item 2b, the epoxy may be applied in two steps as follows:
    - a. To the upper area of the beam end within 4 inches of the outer stands of the bottom strand group any time after detensioning.
    - b. To the remaining area that includes the bottom strand group between 42 and 50 calendar days after detensioning. Ensure that the entire beam end is fully coated at least three calendar days prior to shipping.Ensure that the first epoxy layer is cured before applying the second layer.

The finished thickness of the epoxy coating must be a minimum of 1/16 inch and form a vertical flat plane without deviations or localized depressions from recessed strands or other defects.

Ensure that the epoxy coating is cured per the manufacturer's recommendations prior to shipping the products.
- Any modifications to the time limits above must be approved by the Engineer.

D

R

A

F

T