

State of Illinois
Illinois Department of Transportation

Addendum
MANUAL FOR FABRICATION OF PRECAST PRESTRESSED CONCRETE PRODUCTS

Effective: June 15th, 2015

Section 4.2.1

Replace the 1st sentence of the 3rd paragraph with the following:

“The Producer shall furnish to the Inspector, as directed, one test sample of two 4 ft. (1.5 m) lengths cut from each coil or reel with a ~~torch in a manner that will weld or fuse together the ends of the individual wires of the strand~~ **cut-off wheel, chop saw, grinder, or equivalent. A torch shall not be used to cut samples.**”

Effective: August 17th, 2015

Section 3.2.3 Vibration of Concrete

Replace the 2nd sentence with the following:

“The Producer shall note the special requirements for hand vibrators in Article 1103.17(a) of the Standard Specifications when epoxy coated reinforcement is used in beams; **however, a vibrator with a non-metallic head may be coated by someone other than the manufacturer, if approved by the Inspector.**”

Section 3.4.1(2) Deck Beams

Replace the 2nd paragraph with the following:

“The top surface of deck beams detailed with no wearing surface or a bituminous wearing surface without a waterproofing membrane system shall be textured with a broom finish **or roughened in the transverse direction to an amplitude of approximately ¼ in. (6mm) with a 1/8 in. (3 mm) flat wire texture broom with maximum 1 in. (25 mm) wire spacing. Roughening the surface of fresh self-consolidating concrete may require trial and error to determine a method that produces suitable results. The thixotropic characteristics of self-consolidating concrete (see Section 3.2.3.2) may require care be taken to avoid causing the concrete to revert to its liquid state during and after roughening. Furthermore, temperature and other climatic conditions may also influence how easy or difficult it is to roughen the surface as specified. The method for roughening the surface of self-consolidating concrete shall be approved by the Inspector. Sandblasting is also an option, particularly if corrective action is needed to provide a roughened surface meeting the requirements.**”