SP00587 (2018 Specifications: 0~~8~~9-01-20)

(This Section requires SP00530, SP00540, ~~SP02001,~~ & SP02530. Requires SP00535 when resin bonded anchors are used. Requires SP00594 when coating metal rail. Requires 02810 when rail, retrofits require bolts, plates and epoxy anchor.)

SECTION 00587 - BRIDGE RAILS

(Follow all instructions. If there are no instructions above a subsection, paragraph, sentence, or bullet, then include it in the project. The specifications may be modified to include project specific specifications, but all additions, deletions, or modifications must be sent to the ODOT Technical Resource and State Specifications Engineer for review and approval.)

Comply with Section 00587 of the Standard Specifications modified as follows:

00587.10 Materials - Replace this subsection, except for the subsection number and title, with the following:

Furnish Materials meeting the following requirements:

Bridge Rail	02810
Coating Materials for Concrete	02210.30
Concrete	02001
Concrete Coating	02210
Galvanizing	02530.70
Grout	02080.30
Reinforcement	00530
Structural Steel	02530

00587.42(e) Latex Paint Cure for PCC - Replace this subsection with the following subsection:

00587.42(e) Latex Emulsion Paint Cure for PCC - As an option to curing cast-in-place or slipformed bridge rails, the following procedure may be used:

- Allow free moisture to flash off, but only until the concrete surface does not glisten, and never for more than 1 hour.
- Apply latex emulsion paint from the QPL as follows:
  - Apply the first coat at an application rate of 150 square feet per gallon.
  - Allow the first coat to air-dry for 1 hour.
  - Apply the second coat at an application rate of 150 square feet per gallon, with the application direction transverse to the direction of the first coat.

00587.80 Measurement - Add the following to the end of this subsection:

The estimated quantity of bridge rail is:

(List rail type as the pay item name. Obtain information from the Bridge Designer.)

Structure	Rail Type	Quantity (Foot)
Bridge No. _____		
Bridge No. _____		