

SECTION 00559 - STRUCTURAL CONCRETE OVERLAYS

(Follow all instructions and make all edits with "Track Changes" turned on. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the project. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Comply with Section 00559 of the Standard Specifications modified as follows:

00559.11 Class of Concrete - Replace this subsection, except for the subsection number and title, with the following:

Furnish class HPC(IC)4500 - 3/4 inch according to Section 02001 unless otherwise shown.

(Use the following .41 when hydrodemolition is required.)

00559.41 Surface Preparation - Replace this subsection, except for the subsection number and title, with the following:

Perform surface preparation according to Section 00505.

00559.43(c)(3) Placing - Add the following sentence to the end of the paragraph that begins "After the deck surface..."

A grout coat is not required on decks prepared with hydrodemolition.

00559.60 Protection of Concrete – Replace the bullet that begins "The concrete attains a compressive strength..." with the following bullet:

- The concrete attains a compressive strength of at least 3000 psi as determined by testing at least three cylinders cured according to AASHTO R 100 (field cure) and tested according to AASHTO T 22. The maturity method, AASHTO T 325, may be used to estimate concrete strength for opening Pavement to construction traffic. Install at least two maturity thermocouples for each Day's placement in areas where the maturity method will be used for early opening. Install the thermocouples near the Day's final placement for areas being evaluated for early opening. When the maturity method is used, the Engineer may verify the maturity method with strength specimens. Establish a new strength-maturity relationship if strength specimens deviate more than 10 percent from the maturity-estimated strengths. Suspend use of the maturity method for opening Pavements to traffic when the strength-maturity relationship deviates by more than 10 percent until a new strength maturity relationship is established.

00559.80(c) Sawcut Texturing - Replace this subsection with the following subsection:

00559.80(c) Surface Texturing - Surface texturing will be measured according to 00540.80.

00559.90 Payment – Delete the Pay Item Sawcut Texturing.

Add the following sentence to the end of this subsection:

Surface texturing will be paid for according to 00540.90.