SECTION 02001 - CONCRETE

(Follow all instructions and make all edits with "Track Changes" turned on. If there are no instructions [orange text] above a subsection, paragraph, sentence, or bullet, then include it in the Project. Delete all orange 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 02001 of the Standard Specifications modified as follows:

> ~~***(Use the following lead-in paragraph and subsection.15(c)(15) when IC is specified to mitigate shrinkage in Bridge decks. Contact ODOT Structure Services prior to selecting internal curing.)***~~

~~Add the following subsection:~~

~~**02001.15(c)(15) LWFA** - Submit most recent ASTM C330 test report.~~

> ***(Use the following lead-in paragraph and subsection .20(f) when IC is specified to mitigate shrinkage in Bridge decks. Contact ODOT Structure Services prior to selecting internal curing)***

Add the following subsection:

02001.20(f) Internal Curing - For HPC(IC) concrete, internally cure the mixture according to the following:

- Substitute 350 lbs (SSD) LWFA for standard Fine Aggregate.

> ***(Use the following lead-in paragraph and subsection .20(g) when lightweight concrete is required. Contact the Statewide Structural Materials Engineer who will provide densities to be used to fill in the blanks.)***

Add the following subsection:

02001.20(g) Unit Weight - Provide high performance lightweight concrete with a maximum plastic density of _____ pounds per cubic foot at time of placement and a maximum calculated approximate equilibrium density of _____ pounds per cubic foot.

~~***(Use the following lead-in paragraph and subsection .30(c)(2) when IC is specified to mitigate shrinkage in Bridge decks. Contact ODOT Structure Services prior to selecting internal curing)***~~

~~Add the following subsection:~~

~~**02001.30(e)(2) Lightweight Fine Aggregate for Internal Curing** - Use lightweight Fine Aggregate (LWFA) according to ASTM C1761 for Internally Cured (IC) concrete. Provide a Test Report from within the last calendar year showing the product meets ASTM C330.~~

~~Maintain the LWFA at or above Saturated Surface Dry (SSD) condition by uniformly saturating and allowing drain down prior to batching and verify moisture condition by sampling and testing according to ODOT TM 249. Maintain the SSD condition during all batching operations.~~