

SECTION 00556 - MULTI-LAYER POLYMER CONCRETE OVERLAY

(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 00556 of the Standard Specifications modified as follows:-

00556.05(a) Supervisory Personnel - Replace the paragraph that begins "Hold a pre-placement conference ..." with the following paragraph:

Hold a pre-placement conference with all supervisory personnel, Subcontractors, Suppliers, MPCO manufacturer and other personnel who are involved in the overlay Work. Meet at a mutually agreed time approximately 2 weeks in advance of the Work. Present and discuss all phases of the overlay Work.

00556.10(a) Multi-Layer Polymer Concrete Overlay - Replace the paragraph that begins "Resin shall meet the requirements ..." with the following paragraph:

Furnish resin meeting the requirements of ASTM C881, Type III.

00556.21(a) Tools - Replace this subsection, except for the subsection number and title, with the following:

Provide squeegees, rollers, and other approved tools to apply the primer/sealer and the polymer resin.

Provide a power broadcaster to uniformly apply the MPCO Aggregate.

Provide pickup type power brooms capable of removing loose Aggregate.

00556.21(b) Coring Equipment - Replace the paragraph that begins "Furnish core cutting ..." with the following paragraph:

Provide core cutting Equipment that can produce a core at least 3 inches in diameter.

00556.21(c) Bond Testing Equipment - Replace the paragraph that begins "Furnish bond testing Equipment ..." with the following paragraph:

Provide bond testing Equipment that:

00556.21(d) Resin Conditioning Equipment - Replace the paragraph that begins "Furnish Equipment capable ..." with the following paragraph:

Provide Equipment capable of conditioning resin to between 65 °F and 85 °F.

00556.21(e) Aggregate Heating Equipment - Replace the paragraph that begins "Furnish heating Equipment capable ..." with the following paragraph:

Provide heating Equipment capable of pre-heating Aggregate to a minimum of 70 °F as measured at the time of placement.

00556.21(f) MPCO Heating Equipment - Replace the paragraph that begins "If required, or as a means ..." with the following paragraph:

If required, or as a means to accelerate curing, provide heating Equipment that:

00556.21(g) Concrete Moisture Meter - Replace the paragraph that begins "Furnish a pin-type ..." with the following paragraph:

Provide a pin-type, instant read, concrete moisture meter meeting ASTM F2659. Provide current calibration documentation.

00556.21(h) Dew Point Measurement Equipment - Replace the paragraph that begins "Furnish dew point ..." with the following paragraph:

Provide dew point measurement Equipment that:

00556.44 Delamination Survey and Repair - Replace the paragraph that begins "Make all repairs before ..." with the following paragraph:

Make all repairs before opening to traffic or, if the resurfaced area is opened to traffic at the Contractor's request before completing repairs, all additional traffic control to complete the repairs is at no additional cost to the Agency.

00556.80 Measurement - Replace the bullet that begins "**Furnish MPCO Material and Constructing** ..." with the following bullet:

- **Furnish MPCO Material and Constructing MPCO** - Furnishing and constructing multi-layer polymer concrete overlay will each be measured on the area basis. The area is determined by measuring the actual surface area of the resurfaced bridge deck.

00556.90 Payment - Replace the paragraph that begins "Payment will be payment ..." with the following paragraph:

Payment will be payment in full for furnishing and placing all Materials, and for providing all Equipment, labor, and Incidentals necessary to complete the Work as specified.