

July 1, 2022

APPROVED:

Division Administrator

By: _____

FEDERAL HIGHWAY ADMINISTRATION

SECTION 707 - PRESERVATIVE TREATMENT OF WOOD PRODUCTS*Delete Section 707 in its entirety and replace with the following:***707.1 Description**

- 1 This section contains specifications for materials, equipment, construction, measurement, and payment for preservative treatment for timber and lumber for guardrail posts, fence posts, fenders, and dolphins and piling in accordance with the following specifications.

707.2 Materials**707.2.1 General**

- 1 Ensure that the supplier of treated wood products has a third-party treated wood inspection agency accredited by the American Lumber Standard Committee (ALSC), or an independent treated wood inspection company, approved by the RCE. Inspect and test the material in accordance with applicable American Wood Protection Association (AWPA) Standards or AASHTO M 133, at no cost to the Department. Provide inspection reports referencing applicable industry standards for each shipment before its use on the project. Ensure that a copy of the inspection agency's report is provided to the RCE for each shipment. In lieu of lot inspection as described above, treated wood material such as sawn lumber or timbers, including guardrail posts, blockouts and related components, signposts and fence posts, manufactured by a facility that is continually monitored by an ALSC accredited third-party treated wood inspection agency or an RCE approved inspection company and bearing the quality mark of the agency shall be acceptable for use. The RCE will visually inspect and approve all treated wood products before use on the project.
- 2 Ensure that the treatment plant maintains standard quality control procedures as described in AWPA M3.

707.2.2 Wood

- 1 Use wood products that conform to the requirements of **Section 706**.

707.2.3 Preservative

- 1 Use preservatives and treatment methods in accordance with AASHTO M 133, which references applicable AWPA Standards and International Code Council – Evaluation Service (ICC-ES) requirements.

707.3 Equipment

- 1 None specified.

707.4 Construction**707.4.1 Treating Methods**

- 1 Treat wood products in accordance with AASHTO M 133, which references applicable AWPA Standards and ICC-ES requirements.

707.4.2 Retention of Preservative

- 1 For wood products treated with oil-borne preservatives, express the net retention in pounds of preservative per cubic foot of wood. For material treated with water-borne preservatives,

express the net retention in pounds of dry preservative per cubic foot of wood.

- 2 Ensure retention and penetration of preservative meets AWPA U1 and T1, or applicable ICC-ES report, by use category and by product. Determination shall be made by assay, by the inspection agency/company accredited by ALSC or approved by the RCE, as provided in Section 707.2.1, and in accordance with AWPA M2/M25.

707.4.3 Handling and Storage

- 1 Handle and store treated wood products in accordance with AWPA M4.

707.4.4 Fabrication

- 1 Where practical, perform all required fabrication prior to treatment. If fabrication is required after treatment, perform it in accordance with AWPA M4.

707.5 Measurement

- 1 No measurement is made for the preservative treatment of wood products under these specifications.

707.6 Payment

- 1 No direct payment is made for the preservative treatment of wood products under these specifications. The cost of the preservative treatment of wood products is included in the contract unit bid price for the treated wood products or the items that incorporate the treated wood products.