January 1, 2019

SECTION 707 - PRESERVATIVE TREATMENT OF WOOD PRODUCTS

Delete Section 707 in its entirety and replace with the following:

707.1 Description
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
Ensure that the supplier of treated wood products has an independent treated wood inspection company accredited by the American Lumber Standard Committee, Inc. (ALSC), or acceptable to the RCE, inspect and test the material in accordance with American Wood Protection Association (AWPA) Standard M2 or AASHTO M133, at no cost to the Department. Provide industry standard inspection reports for each shipment before its use on the project. Ensure that a copy of the independent testing company’s inspection report is provided to the RCE for each shipment. In lieu of lot inspection as described above, sawn lumber or timbers, including guardrail posts, blockouts and related components, sign posts and fence posts, manufactured by a facility that is continually monitored by an 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.

Ensure that the treatment plant maintains standard quality control procedures as described in AWPA M3.

707.2.2 Wood
Use wood products that conform to the requirements of Section 706.

707.2.3 Preservative
Use preservatives and treatment methods in accordance with AASHTO M 133, which references applicable AWPA Standards and ICC-ES requirements.

7.7.3 Equipment
None specified.

7.7.4 Construction

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

APPROVED: November 9, 2018
Division Administrator
By:...
FEDERAL HIGHWAY ADMINISTRATION
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 at a laboratory accredited by the ALSC or ISO 17025 accredited laboratory, by the inspection company acceptable to the RCE, or as provided in Section 707.2.1, and in accordance with AWPA M2/M25.

707.4.3 Penetration

1. Fill all holes made for determining the penetration of preservative with tight fitting treated plugs.

707.4.4 Handling and Storage

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

707.4.5 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.