

ITEM 10607.9803 M - REPLACEMENT BATTENS ON WOOD NOISE BARRIER WALL

PANELS

DESCRIPTION

Under this item, the Contractor shall furnish and attach battens to match existing battens to repair damaged panels of the noise barrier wall at the locations shown in the contract documents or as ordered by the Engineer. This may include locations within the limits of the contract documents designated to receive new battens.

MATERIALS

The material, as detailed elsewhere in the proposal for replacing damaged or missing battens on the wood noise barrier wall, shall meet requirements specified in the following subsections of the Standard Specifications:

Water Preservative - Water Borne	708-31
Stress Graded Timber and Lumber	712-14
Galvanized Coatings	719-01, Type II

Additional requirements for the replacement planks shall be as follows:

Lumber for battens delivered to the site shall be No. 1 grade, per Southern Pine Inspection Bureau Grading Rules, Table 2, or other National Grading Rules as approved by the Engineer, and shall be straight, sound, square edged, free from shakes, loose knots, or decay. It shall be preservative treated in accordance with Subsection 708-31. Wood Preservative - Water Borne except minimum retention shall be 9.6 kg/m³. It shall be kiln dried to a maximum moisture content of 19% after treatment.

Battens shall be classified as “Joists and Planks” and shall have a design value of 10,000 kPa or greater after adjustment for wind loading and wet service conditions. All stresses are extreme fiber bending stresses and use classifications as defined in ASTM D245.

Hardware used for attachment of battens to the post shall be standard quality stainless steel 10d Spiral Shank nails acceptable to the Engineer.

Basis of Acceptance The manufacturer’s label or certificate indicating compliance with these specifications and in the contract documents shall be the basis of acceptance.

CONSTRUCTION DETAILS

All existing damaged battens shall be removed from the noise barrier wall panel. Damaged battens existing at the time of award of contract shall be replaced by the Contractor within a period of 60 calendar days after the award date. Battens damaged subsequent to award of contract, shall be replaced within 45 calendar days after the Contractor receives working orders from the Engineer. The Contractor shall force boards together to eliminate gaps while fastening battens. Battens shall be fastened as detailed in the contract documents and to the satisfaction of the Engineer.

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All cuts made after preservative treatment shall be carefully trimmed and coated in accordance with AWPA Specification M-4 to the satisfaction of the Engineer.

Damaged battens that have been removed shall be suitably disposed off the site of work.

The EIC may order new battens to be fastened in locations that do not have existing battens to be installed under this item.

METHOD OF MEASUREMENT

This work will be measured by the number of linear meters of battens actually installed in accordance with this specification. Measurement shall be made along the length of the batten, which is the vertical height of the wall.

BASIS OF PAYMENT

The unit price bid per linear meter shall include the cost of furnishing all labor, materials, equipment and tools necessary to complete the work; also all excavation and disposal of surplus materials.