

ITEM 09607.9103 M - CAP BOARD REMOVAL AND REPLACEMENT ON WOOD NOISE BARRIER WALL

DESCRIPTION

The work shall consist of the removal and disposal of damaged and/or deteriorated cap boards from the existing noise wall and their replacement with new cap boards at locations indicated on the contract documents or as ordered by the Engineer.

MATERIALS

The materials used to replace the cap boards 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

Additional requirements for the replacement boards shall be as follows:

Lumber for cap boards 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. Boards 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.

Hardware used for attachment of boards to the stringers shall be standard quality stainless steel 10d Spiral Shank cement or resin coated nails acceptable to the Engineer.

Basis of Acceptance: Criteria for acceptance shall be based on conformance to applicable standards as stated elsewhere in this specification and in the contract documents.

CONSTRUCTION DETAILS

Replacement Determinations: The contract documents describe panel locations where known damaged or deteriorated cap boards exist and shall be replaced. In addition to locations indicated on the plans, the contractor and Engineer shall inspect all panels and determine other areas where cap boards should be replaced based on the condition at the time of construction. All boards with significant buckling, cupping or deterioration shall be replaced. The Engineer shall make the final determination regarding which boards shall be replaced.

Cap Board Replacement Details: Boards indicated for removal by the Engineer shall be removed from the noise barrier wall panels with care not to damage existing sheets or framing to remain. Boards are to be removed in full lengths; partial board replacement will not be permitted.

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Sheathing or framing materials damaged by the contractor's operations shall be replaced at his expense.

Upon removal of the existing boards, the caulk of all adjacent seams shall be removed and all adjacent edges shall be cleaned. Any foreign material or vegetation shall be removed from the top of the panel structure.

Removed cap boards shall be replaced within 14 calendar days. Replacement boards shall have a tight fit with the top of the panel. Replacement boards shall be attached to the existing panels as detailed in the contract documents and to the satisfaction of the Engineer.

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

METHOD OF MEASUREMENT

This item shall be paid for as the linear meter quantity of cap boards placed in accordance with this specification. The quantity will be measured as the in-place length of the replaced cap boards. Attachment hardware will not be measured and will be included in the price bid for cap board replacement.

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 as described.