

REHABILITATING COVERED BRIDGE SUPERSTRUCTURE

****From Townshend STP SCTT (1)**

- xx. DESCRIPTION. Except as specified otherwise in the Contract Documents, this work shall consist of rehabilitation of a covered bridge superstructure, including the protection, alteration, re-use, and reconstruction of existing and salvaged bridge components that are to remain and that are to be re-installed on the superstructure.

As specified by the Contract Documents and as directed by the Engineer, the Contractor shall re-arrange and re-fit members, as well as re-align, straighten, plumb, square, and camber the rehabilitated covered bridge superstructure.

- xx. MATERIALS. Except as specified otherwise in the Contract Documents, new steel and timber used in the work shall conform to Sections 506 and 522, respectively, and the AASHTO Standard Specifications for Highway Bridges. Material certifications need not be furnished for temporary steel and timber materials.

- xx. GENERAL. Where portions of the existing covered bridge superstructure or salvaged bridge components are to be re-installed, they shall be safeguarded, cleaned, or otherwise prepared as shown on the Plans or in the Contract Documents and incorporated into the work as shown on the Plans and as directed by the Engineer.

In addition to support requirements for the work required for Shoring Superstructure or Special Provision (Handling, Transport, and Re-erection of Covered Bridge Superstructure), the timber superstructure components may be temporarily supported or braced during the rehabilitation of the covered bridge superstructure until they are sufficiently stable to warrant temporary support removal.

All temporary supports shall be removed prior to opening the bridge to vehicular traffic.

- xx. SUBMITTALS. Construction Drawings with associated details, procedures, and calculations for bracing, re-aligning, and cambering the superstructure shall be prepared by a Professional Engineer (Structural or Civil) and submitted to the VTrans Structures Engineer for approval in accordance with Section 105. Construction Drawings shall be submitted at least four weeks prior to the anticipated start of the work. No work represented by the Construction Drawings shall commence until the Construction Drawings have been approved.

- xx. CONSTRUCTION REQUIREMENTS. The Contractor shall be responsible for the strength, capacity, and performance of the construction methods(s) employed.

Existing timber and lumber shall be accurately cut and configured to accommodate new timber members as shown in the Plans.

- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Rehabilitating Covered Bridge Superstructure) to be measured for payment will be on a lump sum basis in the complete and accepted work.

xx. BASIS OF PAYMENT. The accepted quantity of Special Provision (Rehabilitating Covered Bridge Superstructure) will be paid for at the Contract lump sum price. Payment will be full compensation for preparing and submitting Construction Drawings, details, procedures, and calculations as specified; for performing the work specified, including all liability for the structure being rehabilitated, braced, and re-aligned; and for furnishing all materials, labor, tools, equipment, and incidentals necessary to complete the work.

Partial payments will be made as follows:

- (a) An initial payment of 10% of the lump sum price will be paid upon approval of Construction Drawings.
- (b) A second payment of 40% of the lump sum price will be paid when the superstructure is re-aligned, straightened, plumbed, squared, and cambered.
- (c) The remaining 50% of the lump sum price will be paid when all work for this item is complete to the satisfaction of the Engineer.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.645 Special Provision (Rehabilitating Covered Bridge Superstructure)	Lump Sum