

INCORPORATING SALVAGED BRIDGE COMPONENTS

****These provisions are for utilizing steel truss bridge components previously removed and stored at a remote location.**

****From Wallingford STP ST WALK(14)**

xx. DESCRIPTION. This work shall consist of all necessary reassembling, handling, transporting, and erecting of existing steel trusses from their current location to their new locations shown on the Plans; designing, furnishing, installing, and removing any and all shoring or bracing as required to hold the bridge in position during any construction process; the protection, re-use, and reconstruction of salvaged bridge components that are to remain in conjunction with the rehabilitation work shown in the Plans, and all other work related to incorporating salvaged bridge components as shown on the Plans and as directed by the Engineer.

xx. GENERAL. Unless otherwise specified, any existing steel truss materials or portions thereof that must be permanently removed to accommodate the rehabilitation work shown in the Plans shall become the property of the Contractor, who shall properly dispose of them. Removal of structures or portions of structures spanning bodies of water will be conducted to avoid dropping materials into the water.

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

xx. SUBMITTALS. The Contractor shall submit a Reassembly and Erection Plan to the Engineer for approval in accordance with Subsection 105.03 a minimum of 30 days prior to beginning the reassembly of the existing trusses.

The Reassembly and Erection Plan shall include, but not be limited to, the following:

- (1) Schedule, location for staging, sequence of operations, and methodology for the reassembly of the existing trusses.
- (2) Plan and inventory of all equipment to be used in the moving operation, if required, from the reassembly staging area to the proposed site, and for the erection operation onto the proposed substructure units.
- (3) Description of the methods to be used by the Contractor to ensure that the trusses are not damaged or subject to distortions by the moving and erection operations, including associated details, procedures, and calculations for any necessary shoring, bracing, and jacking.
- (4) The location of lifting points and support points on the trusses.

- (5) Identification and analysis of all loads applied to the trusses during the reassembly, moving, and erection operations.

The submittal shall be signed, stamped, and dated by a qualified registered Professional Engineer licensed in the State of Vermont or eligible to practice engineering in the State of Vermont under transient practice provisions of Title 26 VSA, Section 1181a.

The Reassembly and Erection Plan shall be implemented in strict conformance with the approved plans and details. Any alterations or amendments to these plans or details shall be submitted to the Engineer for approval.

- xx. CONSTRUCTION REQUIREMENTS. The Contractor is responsible for finding an area for staging operations for the reassembly of the trusses. The Contractor is also responsible for preparing the staging site for the reassembly of the trusses and cleaning up the site to the satisfaction of the Engineer after the work is completed.

During reassembly, the Contractor is responsible for providing equipment that is adequate for safely handling, lifting, and placing, without damaging or distorting, all of the existing members of the trusses. Any excess materials remaining after the reassembly of the trusses shall become the property of the Contractor for disposal.

Cranes, lifting devices, and other equipment for moving and erection of the trusses shall be of adequate design and capacity to safely erect, position, and align all members and their components without damage or distortion. Elements of the truss that are damaged by any of the Contractor's operations shall be replaced at no additional cost to the Agency. Damaged components shall not be repaired.

Upon completion of the work, any areas of earth disturbance shall be restored to their original condition to the satisfaction of the Engineer.

- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Incorporating Salvaged Bridge Components) 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 (Incorporating Salvaged Bridge Components) 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 trusses being reassembled, handled, transported, erected, braced, and shored; and for furnishing all labor, tools, equipment, materials, and incidentals necessary to complete the work.

When the trusses have been reassembled, transported to the site, erected, and braced into their final position, a payment of 75

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percent of the Contract lump sum price will be allowed. The remaining 25 percent of the Contract lump sum price will be paid when all shoring or falsework has been removed and the site cleaned up to the satisfaction of the Engineer.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.645 Special Provision (Incorporating Salvaged Bridge Components)	Lump Sum