

TEMPORARY WORK PLATFORM

**\*\*From Dummerston BHO 1442(28)**

xx. DESCRIPTION. This work shall consist of designing, detailing, furnishing, constructing, maintaining, and removing a temporary work platform, its substructures and approaches, and any supporting stone fill; furnishing all necessary shoring to allow horizontal jacking or sliding of the existing bridge structure to and from the temporary work platform system at a new horizontal plan location; and performing any lifting, holding, and lowering of the existing bridge required, to the satisfaction of the Engineer and in accordance the Contract Documents.

xx. MATERIALS.

(a) General. The Contractor may use any material or combination of materials that will conform to the requirements of this Section and meet the approval of the Engineer. The Engineer reserves the right to reject materials and details that are structurally unsafe for the use proposed.

(b) Steel and Timber. Steel and timber materials used in the work shall conform to Sections 506 and 522, respectively, and the AASHTO *Standard Specifications for Highway Bridges*. Material certifications are not required for temporary steel and timber materials.

(c) Stone Fill. Stone fill for support shall be clean and of adequate size, and shall conform to Subsection 703.05 or 706.04.

xx. CONSTRUCTION DRAWINGS. Construction Drawings shall be submitted in accordance with Section 105. The Contractor shall submit the drawings and associated calculations, procedures, and details to the Structures Engineer at least four weeks prior to the anticipated start of the work.

The Contractor shall, dependent on the type of structure being erected, include the information required under either Subsection 506.18(a) or 510.12(a)(1) pertaining to erection or installation. Submittal of the computations indicating the magnitude of stresses in the segments is not required.

Any welding to be performed for work under this Section must be detailed on the Construction Drawings and performed in conformance with Section 506.

xx. DESIGN REQUIREMENTS. The design and structural details of the temporary work platform, its substructures and approaches, and any supporting stone fill shall be prepared, signed, stamped, and dated by a licensed Professional Engineer (Structural or Civil).

In designing and constructing a temporary work platform, the Contractor shall provide for the waterway and clearances shown in the Plans and Contract Documents. All fill areas and volumes

placed in or adjacent to the river to provide support or protection of the temporary work platform shall not exceed the impact allowances in the project permits, unless new or revised permits are obtained by the Contractor accordingly.

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

Unless otherwise authorized on the approved Working Drawings, all main load carrying members shall be continuous between supports. Splices will only be approved for:

- (a) A fully bolted connection, with high-strength bolts, designed for its location in accordance with the AASHTO *Standard Specifications for Highway Bridges*.
- (b) A fully welded connection designed, welded, inspected, and tested in accordance with AASHTO and AWS requirements. Any welded connection performed in the absence of and without the approval of the Agency's Welding Inspector will not be approved.

Stone fill shall be placed to provide a well graded surface and to prevent erosion. Care shall be taken in placing the stone to avoid displacing underlying material and minimize segregation. The stones shall be placed and distributed so that there will be no accumulations of either the larger or smaller sizes of stone. Rearrangement of the stone fill by hand labor or mechanical equipment may be required to obtain necessary results.

Proper erosion prevention and sediment controls shall be in place and maintained at all times during construction in accordance with the Contract Documents.

- xx. MAINTENANCE AND LIABILITY. The Contractor shall maintain the temporary work platform, its substructures and approaches, and supporting stone fill to the satisfaction of the Engineer. The Contractor shall assume all liability for the installation, maintenance, and removal of the temporary work platform, its substructures and approaches, and supporting stone fill. Unless otherwise specified, all rights-of-way on private property required for the performance of this work shall be provided by the Contractor.

Costs for replacing the loss of any part of the temporary work platform, its substructures and approaches, or supporting stone fill shall be included in the unit price for Contract item 900.645 Special Provision (Temporary Work Platform), except as provided in Subsection 107.18.

- xx. METHOD OF MEASUREMENT. The quantity of Special Provision (Temporary Work Platform) 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 (Temporary Work Platform) will be paid for at the Contract lump

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sum price. Payment will be full compensation for preparing and submitting Construction Drawings; designing, detailing, furnishing, constructing, maintaining, and removing the temporary work platform, its substructures and approaches, and any supporting stone fill; furnishing all necessary shoring for performing the specified work; assuming all liability for the structure(s) being handled, displaced, erected, braced, and shored; and for furnishing all labor, tools, equipment, materials, and incidentals necessary to complete the work.

When Construction Drawings have been submitted and approved in accordance with Section 105, a payment of 10 percent of the lump sum price will be allowed. When the temporary work platform, its substructures and approaches, and supporting stone fill have been fully constructed and accepted by the Engineer, a further payment of 65 percent of the lump sum price will be allowed. The remaining 25 percent will be paid when the temporary work platform, its substructures and approaches, and supporting stone fill have been removed, the site cleaned up, and vegetation established to the satisfaction of the Engineer.

Payment for shoring required for performing repairs to the existing truss as specified in the Contract Documents will be paid separately under the appropriate Section 502 items in the Contract.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
900.645 Special Provision (Temporary Work Platform)	Lump Sum