

ITEM 636.01--25 – TEMPORARY CHANNEL CROSSING

1. DESCRIPTION

- 1.01 Under this item, the Contractor shall furnish, install and remove a temporary river channel crossing to safely convey the Contractor's equipment to the islands to be removed at the location shown in the Contract Documents or as directed by the Engineer. At a minimum, the work shall meet the requirements defined by this specification.

2. MATERIALS

- 2.01 The Contractor is given the option of selecting the construction materials required for this work in accordance with this specification.

3. CONSTRUCTION DETAILS

- 3.01 The Contractor shall be responsible for the assembly, workmanship, upkeep, removal and safety of the entire temporary channel crossing.
- 3.02 The minimum waterway opening for the channel crossing shall be as indicated on the Contract Plans. The vertical dimension of the minimum waterway opening shall not exceed 6 feet. The Contractor may choose to construct a channel crossing having a reduced waterway opening area with approval of the Engineer. However, if the channel crossing is constructed with a waterway opening area less than the minimum area shown on the Contract Plans, the Contractor will be responsible for all costs necessary to repair the channel crossing, cleanup of any washed-out channel crossing materials, and all time delays associated with any occurrences of overtopping.
- 3.03 Should the Contractor select a temporary bridge to span all or a portion of the existing channel, the Contractor shall design all elements of the structure and immediate approaches. Design shall be done in conformance with the AASHTO Standard Specification for Highway Bridges which is current on the date of advertisement for bids. Design live load shall be as required for the size of the Contractor's proposed equipment. Plans and design computations shall bear the stamp and signature of a Professional Engineer.
- 3.04 The Contractor may also select a series of pipes and/or pre-cast reinforced concrete box culvert sections to meet the minimum waterway opening requirements of this specification. If pipes/culverts are used, the Contractor must include acceptable erosion/scour protection at the inlet and outlet of the pipes/culvert system such as heavy stone fill or grouted rip-rap.
- 3.05 A minimum of two (2) weeks prior to the start of installation of the temporary channel crossing, the Contractor shall submit to the Engineer a plan and elevation view of the proposed channel crossing labeled with approximate location, dimensions, area of waterway opening, construction materials, and all other pertinent information.

ITEM 636.01--25 – TEMPORARY CHANNEL CROSSING

- 3.06 Upon acceptable removal of islands, the Contractor shall remove and dispose of all channel crossing materials. The Department will be responsible for obtaining any applicable permits associated with this work.

4. METHOD OF MEASUREMENT

- 4.01 The work will be measured on a lump sum basis.

5. BASIS OF PAYMENT

- 5.01 The lump sum bid price shall include the cost of all labor, material and equipment necessary to satisfactorily construct and remove the temporary channel crossing.
- 5.02 Payment will be made at the lump sum price bid for the work as follows:
- Seventy-five (75) percent when the temporary channel crossing is constructed and functioning.
 - Twenty-five (25) percent when the temporary channel crossing is permanently removed.