



Iowa Department of Transportation

SPECIAL PROVISIONS FOR REMOVAL OF EXISTING BRIDGE

Hardin County
BRFN-065-6(42)--39-42

Effective Date
July 20, 2010

THE STANDARD SPECIFICATIONS, SERIES 2009, ARE AMENDED BY THE FOLLOWING MODIFICATIONS AND ADDITIONS. THESE ARE SPECIAL PROVISIONS AND THEY SHALL PREVAIL OVER THOSE PUBLISHED IN THE STANDARD SPECIFICATIONS.

090078.01 DESCRIPTION.

A. General.

This Special Provision specifies requirements for removal of the existing bridge in its entirety. Concrete arch ribs shall be removed to be flush with the vertical front face of the existing abutments, and the remaining concrete footings shall be removed to be flush with the proposed groundline. All materials resulting from the removal shall become the property of the contractor.

B. Submittals.

The contractor shall submit to the engineer for review the proposed method for the removal of the existing bridge. As a minimum, the submittal shall include the following:

1. Schedule for removal.
2. Step by step removal sequence.
3. Proposed method for vibration monitoring
4. Proposed methods to comply with vibration thresholds
5. Proposed methods to protect the existing utilities within the removal limits.
6. Any supplemental drawings depicting removal sequence and temporary supports, if any.
7. Structural calculations for the design of the temporary falsework or bents.
8. Methods for containing debris resulting from removal and prevent all debris from falling into the river.
9. Effect of removal on the operation of the dam downstream from the bridge site.

The Contractor shall make such submittal to the Engineer at least 30 calendar days prior to the commencement of any removal operation.

090078.03 REMOVAL METHODS.

The following methods for removal shall not be permitted:

- The use of explosive regardless of charge sizes.
- The use of chemicals of any type.

090078.04 PROTECTION OF EXISTING UTILITIES.

All utilities that are within the removal and construction limits shall be protected at all times. Protection methods of affected utilities shall be subject to approval by the utility owners, the City of Iowa Falls, and the Iowa DOT.

The contractor shall outline in their submittal the method and procedures for repair of the utility in case of accidental damage.

090078.05 MEASUREMENT AND PAYMENT.

A. Method of Measurement.

Lump Sum. No method of measurement.

B. Basis of Payment.

Payment for the item Removal of Existing Bridge will be the lump sum contract price and is full compensation for furnishing all materials, labor tools, equipment, monitoring, services including engineering design efforts and submittals, and incidentals necessary to perform the work of this section.