
Special Specification 4114

Relocate Existing Truss Bridge



1. DESCRIPTION

Remove and relocate the existing truss bridge as shown on the plans.

2. CONSTRUCTION

Assume any coatings on existing steel contain hazardous materials and remove and dispose of properly as is required to facilitate work.

Remove existing truss bridge from the original site and relocate to a location specified in the plans. Dimensions shown on the plans for setting the existing truss bridge must be verified in the field, adjusted as necessary by the Contractor, and approved by the Engineer.

Remove wooden deck and steel stringers. Preserve as much of the existing materials as possible.

Lift and move the truss bridge in one piece as shown in the plans and as directed. Place truss on temporary footings that are adequate to support the truss. Position the temporary footings in relation to the truss as shown on the plans. Ensure all steel members are out of contact with the ground. Obtain and provide to the engineer documentation for permits, escorts and utility adjustments required to make the move.

Submit lifting and moving plan to the Engineer of Record for review and approval.

- Option A: The lifting and moving plan and bracing details are in accordance with the contract plans.
- Option B: Contractor may submit an alternate design along with the lifting and moving plan. The alternate design shall be signed and sealed by an engineer licensed in the state of Texas.

Include in the lifting and moving plan any details for bracing or lifting attachments to the original bridge members. No welding to any bridge member is permitted. No drilling through any bridge member is permitted. Temporary or permanent attachments to the truss bridge must be made by clamping or bolting through original bolt holes as approved by the Engineer. Flame cutting of any member will not be allowed unless approved by the Engineer.

Extreme care must be taken when lifting the truss from the supports, transporting the bridge to the new site and placing the bridge on the temporary footings. Any damage caused by the Contractor's operations will be repaired as directed at the Contractor's expense.

If both ends of the bridge are lifted at once, all four corners of the bridge must be lifted simultaneously and symmetrically. If only one end of the bridge is lifted at a time, then both corners must be lifted simultaneously and symmetrically.

3. MEASUREMENT

The work as provided for by this specification will be measured by the lump sum.

4. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the price bid for "Relocate Existing Truss Bridge." This price is full

compensation for existing truss removal and relocation, including: all bracing, lifting, moving, escorts, permits, utility adjustments, temporarily supporting, and furnishing all equipment, tools, labor and incidentals necessary to complete the work.