

Special Specification 4103

Relocate/Reset Existing Truss Bridge



1. DESCRIPTION

Temporarily relocate and reset existing truss bridge as shown in the plans and this specification. Execute the truss rehabilitation using the approach described.

2. CONSTRUCTION

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

Use the following approach for executing the truss relocation and reset:

- 2.1. **Relocate/Reset Truss.** Temporarily remove existing truss bridge from its original location to another location that permits access to perform repairs. Acceptable locations include the adjacent roadway (provided that landowner access at driveways is not impeded), a contractor yard, a fabrication facility, or adjacent land leased by the Contractor. Reset the truss in the final location after performing most of the repairs. Remaining repairs may be performed on the truss in the final location as indicated in the submitted plan.

Lift and move the truss bridge from the existing location in one piece in accordance with the plans. The bridge deck must be removed prior to the lift and move. Provide temporary supports adequate to support the truss during the repairs. Obtain and provide to the Engineer documentation for permits, escorts and utility adjustments required to make the move. Provide a basic crane lifting plan to the Engineer for review and approval

If no specific lifting details are shown in the plans, provide a relocate/reset plan to the Engineer of Record for review and approval. The plan must be signed and sealed by an Engineer licensed in the State of Texas. Include in the plan details for any bracing or lifting attachments to the original bridge members. Do not weld or drill through any existing bridge members that will remain as part of the final structure. Perform any temporary attachment to the truss bridge by clamping or bolting through original rivet holes as approved by the Engineer. Do not flame cut any member that will remain part of the final structure.

Exercise care when lifting the truss from the supports, transporting the truss or its components, and placing the truss on the new supports. Any damage caused by the Contractor's operations will be repaired as directed by the Engineer 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/Reset Existing Truss Bridge." This price is full compensation for all excavation, backfilling, bracing, lifting, moving, escorts, permits, utility adjustments,

temporarily supporting, and furnishing all equipment, tools, labor, and incidentals necessary to complete the work.