
Special Specification 4078

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 final location as shown on the plans and as directed. Dimensions shown on the plans for setting the existing truss bridge in its final position must be verified in the field, adjusted as necessary by the Contractor, and approved by the Engineer.

Lift and move the truss bridge from the existing location in one piece as shown in the plans and as directed by the Engineer. Provide temporary footings adequate to support the truss. Set footings to support the truss bridge in a level orientation. Remove the floorbeams, lateral bracing, and temporary top bracing at the temporary storage location. Provide temporary bracing for both the left and right trusses at the storage location. Ensure that both the left and right trusses are not subjected to any twisting. 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. The lifting and moving 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. 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 rivet 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 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. If only a single truss is lifted at a time, lift from both ends of the truss as specified in the plans or as directed by the Engineer.

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 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.