

**ITEM 17551.60 M - FURNISHING EQUIPMENT FOR INSTALLING DRILLED SHAFTS**  
**ITEM 17551.61 M - FURNISHING EQUIPMENT FOR INSTALLING DRILLED SHAFTS**  
**(ON WATER)**  
**ITEM 17551.62 M - FURNISHING EQUIPMENT FOR INSTALLING DRILLED SHAFTS**  
**(LOW OVERHEAD CLEARANCE)**

**DESCRIPTION**

Under this work, furnish the necessary equipment including barges, platforms and support vessels for installing drilled shafts as shown on the plans.

**MATERIALS**

Not specified.

**CONSTRUCTION DETAILS**

Prior to delivering any equipment to the site, submit the proposed type of equipment for drilled shaft installation to the Deputy Chief Engineer (Structures) (D.C.E.S.) for review and approval. The D.C.E.S. will render a decision within 15 working days, measured from the date of receipt of all information.

Provide equipment capable of installing drilled shafts with lengths 20% greater than those shown on the plans. Provide equipment capable of accessing holes on water and progressing holes through soils at the site which may include miscellaneous fill, boulders, timber and other obstructions, and into bedrock. Remove all equipment from the site deemed unsatisfactory by the D.C.E.S. and replace it with satisfactory equipment at no additional cost to the State.

Provide equipment capable of installing drilled shafts, given the low overhead clearance conditions at the site.

**METHOD OF MEASUREMENT**

Payment will be made by lump sum. No field measurements will be taken.

**BASIS OF PAYMENT**

The lump sum price bid includes the cost of furnishing all labor, materials and equipment, including barges, platforms and support vessels, necessary for transporting, erecting, maintaining, making any ordered equipment replacement, dismantling and removing all installation equipment.

Payment will be made as follows: Seventy five (75%) percent of the amount bid will be authorized for payment when the equipment for installing drilled shafts is furnished and the installation of drilled shafts has commenced. The remainder will be authorized for payment when the work of installing the drilled shafts is completed.