ITEM 660.95800011 - EXCAVATE AND BACKFILL OIL-O-STATIC UTILITY TRENCH FOR CON ED WORK OPERATIONS

DESCRIPTION
This work shall consist of excavating and exposing the existing Con Edison 345kV oil-o-static pipes consisting of two 10in. dia. 345kv feeder pipes and their associated two 5-9/16in. dia. dielectric fluid return lines located as shown on the contract drawings to allow for inspection, testing and any needed repair work and recoating to be done by Con Edison forces or specialty contractors hired by Con Edison. Upon completion of inspection, testing, repairs and recoating of all pipes by Con Edison, the contractor shall then backfill according to the plans and as directed by the Engineer.

MATERIALS
The contractor shall furnish all material required for the excavating exposing and supporting all of the pipes and backfilling of the utility excavation including but not limited to sheeting, clean backfill, thermal sand and sand bags for support. The contractor shall properly dispose of all excavated materials except materials deemed contaminated by the Engineer.

All materials associated with the inspection, testing, repair and recoating of the pipes shall be furnished by the Consolidated Edison Company.

The nature of the work is such that certain specified requirements of the Consolidated Edison Company of New York shall be followed.
Reference Documents:

EO-12640-B   H.P. Cable and Dielectric Fluid Circulating Pipe Trenching and Backfill
EO-16954-B   Sheeting for Trenches and Excavations
EO-1181      General Specification for Backfilling of Trenches and Small Openings
EO-1173      Specification for Controlled Backfill Material for H.P. Cable Pipe Installation
EO-8085      General Backfill and Bedding Material for Excavations
------------- Test Pit Sketches

CONSTRUCTION DETAILS
The contractor shall prepare utility trench and backfill as shown in the contract documents as well as Con Edison’s associated drawings and specifications as directed by the Engineer.

The contractor shall notify the Consolidated Edison Company of the construction schedule at least thirty (30) days prior to the actual planned construction date and at least twenty (21) days prior to the beginning of all work to excavate the utility trench for work operations.

Upon completion of the utility trench, Con Edison shall inspect the trench for approval.
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Upon approval, Con Edison shall be allowed thirty (30) calendar days to perform all pertinent work operations. Con Edison shall be notified at least 48 hours prior to backfilling, in order to provide inspector(s) at the site.

Should Con Edison fail to perform all necessary work operations according to schedule, the State shall not be responsible for any delays.

All excavation and placement of backfill and other necessary operations shall be done with extreme care so as to not damage any of the utilities being uncovered. After removal of the pavement by machine and before any trench excavation by machine; the contractor is to positively locate the pipes using the test pit data provided. Subsequently, no machine excavation will be allowed within 12in. of the pipes. A narrow bucket backhoe may be used up to 12in. from the pipes, which should result in the sand backfill “falling away”. However, hand or vacuum truck excavation will be required if it is necessary to get within 12in. of the pipes, and to excavate under and between the pipes. The contractor shall excavate and sheet a trench to provide 2ft. of clearance around and below the pipes. All pipes are to be supported at a maximum of 15ft. intervals using sandbags. During the course of excavation, should the contractor encounter dielectric fluid or other contaminants; the contactor shall cease excavation activities and notify the Con Edison representative immediately.

Included in the fixed price is all labor and equipment necessary to move each sand bag once after the original placement to accommodate the coating removal and recoating of the pipes, as directed by the Con Edison representative. Also included in the fixed price is eight (8) cubic yards of hand excavation to provide additional clearance under the pipes to accommodate repair barrels. The additional excavation shall be as required and as directed by the Engineer.

The contractor shall provide free access to the site for Con Edison forces and its contractor. The contractor shall provide a safe work site including providing and maintaining adequate protection around the excavation including the period when Con Edison is performing its work.

The contractor will backfill the trench with clean backfill and thermal sand in accordance with EO-12640-B.

METHOD OF MEASUREMENT
Payment will be made at the fixed price lump sum in accordance with this specification.

BASIS OF PAYMENT
The amount set forth in the Proposal is a fixed price lump sum for all bidders and shall not be changed. The published price has been prepared taking into account the cost of furnishing all labor, equipment and materials necessary to complete the work, including excavation, sheeting, backfill, thermal sand, sand bags, locating and maintaining other underground facilities, impacts on operations and schedules, and an allowance for overhead and profit.
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Payment will be made under:

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<td>Excavate And Backfill Oil-O-Static</td>
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