



**STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION**



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Phone: 860-594-3128

December 20, 2016

Subject: Project No. 171-418

F.A.P. No. N/A

Maintenance Facilities Tank Replacement in the Towns of Glastonbury and Hartford.

NOTICE TO CONTRACTORS:

This is to notify all concerned and especially the prospective bidders that the bid opening for the subject project is still scheduled for December 21, 2016 at 2:00 P.M. in the Conference Room of the Department of Transportation Administration Building, 2800 Berlin Turnpike, Newington, Connecticut.

Addendum No. 1 is attached and can also be obtained on the Statewide Contracting Portal at http://www.biznet.ct.gov/scp_search/BidResults.aspx?groupid=64

This addendum is necessary to revise a special provision.

To retrieve the official Bid Proposal Forms, please download the electronic bid proposal file and amendment files, if applicable at <https://www.bidx.com>.

Please send all future questions to <http://dot-contractsqanda.ct.gov/Default.aspx>

H. J. Emond

For: Gregory D. Straka

Contracts Manager

Division of Contracts Administration

DECEMBER 20, 2016
GLASTONBURY AND HARTFORD MAINTENANCE FACILITIES TANK
REPLACEMENT
FEDERAL AID PROJECT NO. N/A
STATE PROJECT NO. 0171-0418
TOWNS OF GLASTONBURY AND HARTFORD

ADDENDUM NO. 1

SPECIAL PROVISION
REVISED SPECIAL PROVISION

The following Special Provision is hereby deleted in its entirety and replaced with the attached like-named Special Provision:

- **ITEM NO. 0101185A – REMOVAL OF HYDRAULIC SYSTEM**

The Bid Proposal Form is not affected by this change.

There will be no change in the number of calendar days due to this Addendum.

The foregoing is hereby made a part of the contract.

ITEM #0101185A – REMOVAL OF HYDRAULIC SYSTEM**Description:**

Work under this item shall include all activities related to the removal and disposal of an underground twin-post hydraulic truck lift assembly and its associated components (i.e., reservoir tank, piping, pumps, lift covers, steel framework, etc.). The lift consists of one fixed-post and one traveling post. All excavations and post travel-pits shall be backfilled and the concrete slab restored.

The work shall be performed by an experienced firm that has successfully completed hydraulic lift removal and disposal work similar to that indicated herein.

All activities shall be performed in accordance with USEPA 40 CFR Parts 260-268, OSHA 29 CFR 1926, OSHA 29 CFR 1910.120, CTDEEP 22a-449(d)-1 and 22a-449(c), and all other applicable state and federal regulations and codes.

Materials:

Backfill material shall conform to the requirements of Section 2.13 of the Specifications or as indicated in the Contract documents.

Concrete work shall conform to Section 03300 – Cast-in-Place Concrete and as indicated on the contract Drawings. All abandoned floor and wall penetrations shall be filled with cement grout, or hydraulic cement in wet locations.

12-Inch Manhole(s) shall be a Morris Industries, Inc. watertight manhole, model No. 312301200, or equivalent.

Construction Methods:**(1) Pre-Removal Submittals:**

At least fifteen (15) working days prior to the start of any lift system removal and disposal work, the Contractor shall submit the following to the Engineer for review and approval:

1. Proposed removal procedures to be utilized, including protective/safety measures to be implemented.
2. Proposed C&D bulky waste disposal facility.
3. Proposed steel/scrap metal recycling facility.
4. Manhole manufacturer's technical data and specifications.

(2) General Provisions:

The Contractor shall clean (removal of hydraulic fluid, sludges and residuals), remove and dispose of the underground twin-post hydraulic lift, as indicated on the Plans.

Removal and disposal shall include the removal of all appurtenances associated with the hydraulic lifts (reservoir tank, piping and pumps, conduits, etc.). Removal shall also include disconnection of any electrical service associated with the hydraulic system, the removal of residual fluids and cleaning of the post travel-pit prior to backfilling and concrete restoration.

Disposal of petroleum products and waters from within the pistons/post, travel-pit, tank and piping structures shall be performed by the Contractor in accordance with Item 0101143A – Handling and Disposal of Regulated Items.

The Contractor shall exercise all necessary precautions for fire prevention. Acceptable fire extinguishers shall be made available at all times. Flame/torch cutting is prohibited.

The Contractor shall prevent damage to any existing utilities, structures, equipment and appurtenances that are to remain in service.

(3) Removal Provisions:

Removal practices shall be acceptable to the Engineer, shall ensure the safety of persons, equipment and structures that are to remain, and shall provide adequate protection of the environment. The Contractor shall schedule excavation and removal activities to minimize delays and interference with facility operations.

The Contractor shall furnish and employ such braces, pumps, etc., as may be necessary for the protection of property, proper completion of the work, and the safety of the public and employees of the Contractor and the Department.

Excavation by machinery shall be discontinued when excavation approaches pipes, conduits or other underground structures. The work shall be completed in these areas by use of hand tools.

The Contractor shall saw-cut the concrete slab in a neat and workman-like manner anywhere concrete removal is necessary to complete the work.

Following the removal of the lift, the Contractor shall excavate any impacted soil, as directed by the Engineer, to achieve compliance with Connecticut's Remediation Standard Regulations (RSRs). Any impacted materials encountered during excavation activities shall be managed in accordance with Item 0101117A, "Controlled Materials Handling."

The Contractor shall assist in the collection of post-removal confirmation sampling by providing equipment and an operator to collect excavation bottom and side-wall soils. After collection of samples, the Contractor shall allow the excavation to remain open pending the receipt of

laboratory analytical results by the Engineer. The Contractor shall protect on-site workers from the work area, particularly any open excavation, in a manner acceptable to the Engineer. The Contractor shall backfill the excavation immediately upon notification in writing by the Engineer. Any additional excavation beyond that necessary for hydraulic lift removal shall be as directed by the Engineer.

Any sub-grade piping containing hydraulic fluid that will remain in-place shall be emptied of all product and pneumatically tested to verify that the sub-grade piping is competent prior to capping and sealing. Piping shall be tested with air pressure no less than 25 pounds per square inch (psi) and maintained for no less than 30 minutes. Pressure testing shall be conducted in the presence of the Engineer. Product piping determined to be competent shall be cut at surface grade and sealed with cement masonry. Piping that does not maintain pressure will be evaluated by the Engineer and if removal is deemed necessary, additional provisions will be added to the Contract.

Any holes resulting from the removal of pipe brackets, return and supply pipes, or other conduits removed or abandoned as a part of removal activities shall be plugged with cement grout.

Excavation areas (lift removal areas, post travel-pits, piping removal areas, soil removal areas, etc.) shall be backfilled to sub-grade. If as determined by the Engineer, suitable surplus excavated materials exist, they shall be used prior to importing material to the project. Prior to placement of fill materials, areas to be filled shall be free of standing water, frost, frozen material, trash and debris.

Following completion of the placement of fill, the Contractor shall restore the hydraulic lift post excavation and any disturbed concrete surface resulting from the removal of the hydraulic system.

In the event a release of hydraulic fluid from the lift system has resulted in impacts to the soil and/or groundwater that cannot be removed due to site limitations (i.e., soil removal results in structural undermining), the Contractor shall install a 12-inch diameter manhole in the restorative concrete placed following the removal of the lift(s) (one manhole per lift). The manhole will be utilized for future access to the subsurface. The specific placement of the manhole shall be as directed by the Engineer.

(4) Disposal Procedures:

Scrap metal generated during the demolition process (pistons/posts, piping, etc.) shall be recycled as scrap metal at an approved scrap metal recycling facility following cleaning. Non-hazardous, non-metallic waste shall be recycled off-site or disposed of as C&D bulky waste in accordance with the Connecticut Department of Energy and Environmental Protection (CTDEEP) solid waste management standards. The Contractor shall recycle as much C&D bulky waste as practical.

Removed items shall not be reused or salvaged by the Contractor.

(5) Post-Removal Submittals:

The Contractor shall provide the Engineer, within 30 days of completion of the hydraulic lift removal work, a compliance package, which shall include, at a minimum:

1. Shipping papers and Certificates of Destruction/Recycling from the approved scrap metal recycling facility indicating receipt and acceptance of scrap metal debris (tank, piping, etc).
2. Shipping papers from the approved solid waste bulky waste disposal/recycling facility indicating receipt and acceptance of C&D bulky waste debris.

Method of Measurement:

Removal of Hydraulic System will be measured for payment by the number of hydraulic lift systems removed as shown on the Plans and directed by the Engineer.

Basis of Payment:

This work will be paid for at the Contract unit price per hydraulic lift system removed. This unit price shall include all related necessary work and material associated with the removal and disposal of the hydraulic lift assemblies, including, but not limited to: permits, equipment, material recycling and disposal, air monitoring, floor and wall patching, protection of on-site employees from the work site and temporary safety lighting. No additional payment will be made for other material or equipment necessary for the satisfactory completion of the work.

Removal and disposal of residual liquid product from the lift's hydraulic systems will be in accordance with Item 0101143A – Handling and Disposal of Regulated Items.

<u>Pay Item</u>	<u>Pay Unit</u>
Removal of Hydraulic System	Ea