05/23/2025

RFQ IBR 060325: 2025 Replacement of Underground Steam and Condensate Piping for Institute for Basic Research

A signed Addendum must be received with your quote or within 3 business days of request by OPWDD. Failure to submit this signed Addendum as specified above may result in the quote being disqualified.

Addendum 1 – Please review the revised Scope of Work attached along with separate attachments for Exhibit B: Design and Specifications, Exhibit C: Institute for Basic Research Drawings, Exhibit D: Ricwil Preinsulated Piping Systems Manual, and Exhibit E: Cathodic Protection Systems Manual. Only additional language has been added to the Scope of Work; no removals have been made. The additional language is below as follows:

Statement of Work:

Please refer to Exhibit A: Current Piping Layout, Exhibit B: Design and Specifications, Exhibit C: Institute for Basic Research Drawings, Exhibit D: Ricwil Preinsulated Piping Systems Manual, and Exhibit E: Cathodic Protection Systems Manual for additional details.

Detailed Specifications:

15. A complete package for the existing line has been provided. The Contractor is expected to reference and follow the specifications outlined in the project documents as the basis for installation. Any proposed deviations or substitutions should be submitted in writing for review and approval by an OPWDD engineer or designee prior to implementation.

16. Trenching and backfilling should be carried out in accordance with the Exhibit D: Ricwil Preinsulated Piping Systems Manual included with this addendum. The Contractor should use Ricwil's specifications as a guide for all excavation, bedding, pipe support, and backfill compaction procedures to ensure compliance with the system requirements.

17. The Contractor shall install "high-visibility orange plastic safety fencing" to secure the work area. The fencing must clearly define the perimeter of the zone and ensure public safety throughout the duration of the project.

18. A cathodic protection system must be installed to protect the piping from corrosion. The Contractor is responsible for furnishing and installing all necessary materials and components in accordance with industry standards and project specifications.

19. Existing streetlights along the walkway must be removed prior to excavation and then reinstalled upon completion of the work. All removal and reinstallation activities must comply with New York State codes.

The Contractor will be liable for any damage to fixtures or wiring and will be required to repair or replace damaged property in a timely manner.

Due to the revised Scope of Work, the RFQ Due Date has been extended:

KEY EVENTS	
RFQ Due Date	**June 13, 2025**

Please complete the below confirmation that you have received the Addendum.

2025 Replacement of Underground Steam and Condensate Piping for Institute for Basic Research
RFQ IBR 060325, Addendum 1

Confirmation of Addendum Received

_____
(Business Name)

_____ _____
(Signature) (Date)

_____ _____
(Print Name) (Title)

Respectfully,

Felicia DeHaan
CMS 1, Contract Management Unit
OFFICE: (845) 877-6821 ext. 3344 | FAX: (845) 877-3004
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UPDATED

1. SCOPE OF WORK:

Replacement of Underground Steam and Condensate Piping

Statement of Work

The Contractor will provide complete replacement of the leaking underground steam and condensate (LPS) line assembly connecting Building 25 to Building 1 at OPWDD's Institute for Basic Research at 1050 Forest Hill Rd, Staten Island, NY 10314. The Contractor will provide all labor and materials necessary to complete the work in a professional manner according to the Scope of Work. Work is to be completed within 120 days of contract approval. This is a NYS Public Works project, and prevailing wages are to be paid, and Certified Payrolls must be submitted at time of completion. Site must be cleaned, and all materials secured at the end of each workday. Absolutely no scraps, especially fasteners, are to be left unsecured. Upon completion of replacement of the leaking underground steam and condensate (LPS) line assembly, and before the removal of equipment, the Contractor is to schedule a quality control and quality assurance inspection with Plant Superintendent or designee. Please refer to Exhibit A: Current Piping Layout, Exhibit B: Design and Specifications, Exhibit C: Institute for Basic Research Drawings, Exhibit D: Ricwil Preinsulated Piping Systems Manual, and Exhibit E: Cathodic Protection Systems Manual for additional details

Detailed Specifications

1. The existing piping consists of 8-inch diameter steam piping and 4-inch diameter condensate return piping.
2. Contractor is to schedule a quality control and quality assurance inspection with the Plant Superintendent that includes applicable references, materials of construction, design and installation features and acceptable manufacturers of underground piping used for steam and condensate return service.
    a) Submit piece mark shop drawings from manufacturer. Manufacturer shall design anchorage, hard expansion loops, pitch and penetrations.
    b) Submit piping lay-out of manhole detailing all main, branch and secondary trap piping for review. Active valves require critical positioning such that they can be accessed by reach rods from grade through manhole top openings.
    c) Submit shop drawings for each piping routing, including hard expansion loops.
    d) Submit the manhole piping layout, including all main and secondary piping.
3. Underground steam and condensate piping will be installed in separate casings to prevent interaction and potential leaks.
4. Steam Piping and Casing: Class A, DDT schedule 40, black seamless pipe, plain end, with high-temperature foam glass insulation. Prefabricated underground steam piping will utilize a Perma-Pipe or Rovanco prefabricated air-testable and drainable conduit system with galvanized steel (minimum 1/8") with waterproof covering.
5. Condensate Return Piping and Casing: Schedule 120, A-106 seamless, plain end, weldable pre-insulated foam pipe system foam insulated, plastic jacketed. Casing is PVC schedule 40 or galvanized steel (minimum 1/8") with waterproof covering.
6. All anchorage and thermal expansion will be handled through hard bends installed underground, not in manhole vaults.
7. Expansion of underground piping systems will be achieved using anchors, loops, oversized elbows, etc., located outside of manholes and buildings.
8. Expansion, thrust, and general pipe movement will be engineered to ensure safe operation of the underground piping system at pressures ranging from 5 PSI to 75 PSI.
9. Thrust blocks will not rely on adjacent manhole walls or building walls for support.
10. All steam piping will be insulated with removable perlite blankets, excluding condensate return, valves, and trap piping.
11. Dual link seals will be installed to close each piping penetration. Wall sleeves and core-bored hole dimensions will adhere to the manufacturer's approved tolerances for link seal installation.
12. Pressure testing will be certified by an OPWDD approved OEM representative. This includes verification that all required manufacturer's requirements were met and that link seals are properly lined up and secured before concrete or slurry is applied.
13. Steam lines will be installed level or with a gradual fall (1/8" to 1/4" per foot) to a manhole or building. Steam line runs will be designed to avoid low spots where condensate can collect. Condensate lines can change elevation vertically without trapping points.

14. All underground piping will be overlaid with durable, brightly colored marking tape designed for marking underground utilities.
15. A complete package for the existing line has been provided. The Contractor is expected to reference and follow the specifications outlined in the project documents as the basis for installation. Any proposed deviations or substitutions should be submitted in writing for review and approval by an OPWDD engineer or designee prior to implementation.
16. Trenching and backfilling should be carried out in accordance with the Exhibit D: Ricwil Preinsulated Piping Systems Manual included with this addendum. The Contractor should use Ricwil's specifications as a guide for all excavation, bedding, pipe support, and backfill compaction procedures to ensure compliance with the system requirements.
17. The Contractor shall install "high-visibility orange plastic safety fencing" to secure the work area. The fencing must clearly define the perimeter of the zone and ensure public safety throughout the duration of the project.
18. A cathodic protection system must be installed to protect the piping from corrosion. The Contractor is responsible for furnishing and installing all necessary materials and components in accordance with industry standards and project specifications.
19. Existing streetlights along the walkway must be removed prior to excavation and then reinstalled upon completion of the work. All removal and reinstallation activities must comply with New York State codes. The Contractor will be liable for any damage to fixtures or wiring and will be required to repair or replace damaged property in a timely manner.

General Requirements

1. Proposal will include all materials, labor, disposal of materials fees, and site clean-up. Final acceptance of completed job will be provided by the appropriate Maintenance Supervisor.
2. Work schedule is to be coordinated with the Plant Superintendent. Work is to be done between the hours of 8:00am and 4:00pm, Monday through Friday. Weekend hours should be scheduled in advance, if necessary.
3. Once the project has begun, it is to be worked on continuously until completed. If there are any delays, even if due to inclement weather, a Work Control Representative MUST be contacted.
4. All tools must always be controlled, and debris, tools, and materials secured and stored at the end of each workday. Any ladders, scaffolding, or lifts used in conjunction with this job are to be stored to the satisfaction of the Plant Superintendent at the end of the day.
5. Any unforeseen conditions that may alter the established price are to be reported to the Plant Superintendent or designee immediately upon discovery.
6. Contractor will comply with safety and security requirements imposed by the site. Contractor will adhere to all policies and regulations of OPWDD, including but not limited to smoking, parking, etc. Contractor is to adhere to local/state noise control ordinances/laws.
7. Prior to the commencement of the work, there shall be a meeting with OPWDD Operations and Maintenance staff to discuss specific safety requirements needed to be adhered to during the work period.
8. OPWDD reserves the right to pre-approve all Subcontractors. Any Contractor intending to use Subcontractors must provide OPWDD with all Subcontractor contact information, in writing, prior to the determination of approval.
9. The Contractor must take all reasonable care to safeguard the residents and the staff.
10. Safety Data Sheets as applicable will be provided to the Plant Superintendent or designee prior to the start of work and a copy maintained at the property.
11. All applicable environmental testing associated with this work will be provided to the Contractor prior to start of work, if necessary.

Contractor Damages

Contractor will be liable for any damage caused to OPWDD property, i.e., but not limited to, roadways, sidewalks, lawn and landscaping, structures, utilities, and other infrastructure that is not part of this Scope of Work. Contractor will be required to repair or replace damaged property in a timely manner.

Contractor Liability

In the event the Contractor fails to provide services as stated in the Scope of Work, within the time frames specified, and OPWDD is required to procure services from another vendor, the Contractor may be held liable for any costs over and above the contractual price for the site(s) involved. In such a situation, the additional cost for these services will be billed to the Contractor or payment will be reduced for the additional costs incurred.

Prevailing Wage

Prevailing Wage applies to this Contract. The PRC number for this Contract is PRC# 2025003718. Contractor and its Subcontractors must be registered with the New York State Department of Labor (NYSDOL) and submit their Certificate of Contractor Registration at the time of the bid submission for any Article 8 project. A copy of the Contractor's certified payroll is required to be submitted with invoices before payment for services is rendered.

Payment

Payment will be made for actual services rendered in accordance with State Finance Law, upon completion of project and inspection of OPWDD. Total Cost is not to exceed the amount provided on the Contactor's Cost Proposal Form without prior written approval from OPWDD.

Exhibit A: Current Piping Layout