

ADVERTISEMENT FOR BIDS

City of Concord, NH

Owner

311 North State St., Concord, NH 03301

Address

The Purchasing Division, 311 North State Street, Concord, New Hampshire 03301 will receive separate sealed BIDS for B15-12, Phase 2 Odor Control Improvements until 2:00 pm on February 10, 2012 at which time and place they will be opened and publicly read. The sealed envelope should be plainly marked:

B15-12, PHASE 2 ODOR CONTROL IMPROVEMENTS

Each sealed envelope should bear on the outside the BIDDER's name, address, and license number if applicable and the name of the project for which the BID is submitted. If forwarded by mail, the sealed envelope containing the BID must be enclosed in another envelope addressed to the OWNER at:

City of Concord, Purchasing Division, 311 North State Street, Concord, NH 03301.

This project shall consist of the: (1) demolition of existing mechanical and electrical equipment, structural steel, piping, concrete and masonry structures within the Influent Lift Station, Influent Wet Well, Screw Pump Area, North Biotower, Biotower Effluent Channels and Intermediate Pumping Station Wet Well of the Hall Street Wastewater Treatment Plant. Installation of a biofilter with associated blower and sound proof enclosure, exposed pipe and ductwork, buried pipe, aluminum flat covers for the odor control system, covered fiberglass superstructure for the north Biotower for odor control, exhaust fans, piping, valving, dampers, electrical and controls.

1. Completion time for the project will be calculated as calendar days from the date specified in the "Notice to Proceed" as follows:

360 calendar days for substantial completion.

420 calendar days for contract completion.

Liquidated damages will be in the amount of \$1,000, plus engineering charges, each calendar day of delay from the date established for substantial completion, and \$250, plus engineering charges, each calendar day of delay from the date established for contract completion.

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2. Each General Bid shall be accompanied by a bid security in the amount of 10% of the Total Bid Price. This bid security shall be in the form of a certified check, cash, check drawn on a New Hampshire bank or bid bond for and subject to conditions provided in B15-12.
3. The successful Contractor must furnish separate Performance and Payment Bonds, each in the amount of 100% of the contract price, an insurance certificate, meeting the minimum required types and levels of coverage, naming the City as an additional insured and will be required to execute the Contract Agreement within ten (10) calendar days following notification of the acceptance of the Contractor's bid.
4. The City of Concord reserves the right to reject any or all bids or any part thereof, to waive any informality, formality, information and/or errors in the bidding, to accept the bid considered to be in the best interests of the City, or to purchase on the open market if it is considered in the best interests of the City to do so.
5. Failure to submit all required information and/or submission of an unbalanced bid are sufficient reasons to declare a bid as non-responsive and subject to disqualification.
6. Any contract or contracts awarded under this Invitation for Bids are expected to be funded in part by a loan from the New Hampshire State Water Pollution Control Revolving Loan Fund (SRF).
7. Bidders on this work will be required to comply with the President's Executive Order No. 11246 entitled "Equal Employment Opportunity as amended by Executive Order 11375 and amendments or supplements to that Executive Order and as supplemented in Department of Labor Regulations (41 CFR Part 80). The requirements for bidders and contractors under this order are explained in the Information for Bidders.
8. **Utilization of Minority and Women's Business Enterprises (MBE's and WBE's)**
Bidders on this work must demonstrate compliance with the United States Environmental Protection Agency's MBE/WBE policy in order to be deemed a responsible bidder. The requirements for bidders and contractors covered by this policy are explained in the Information for Bidders.
9. This successful bidder on this work is subject to U.S. Department of Labor's Davis Bacon wage rate provisions.
10. No Bidder may withdraw a Bid within ninety (90) calendar days after the actual date of opening thereof.
11. All bids are posted publicly in accordance with the City's Code of Ordinances.
12. There will be a MANDATORY Pre-Bid Meeting held at The Hall Street Wastewater Treatment Plant, 125 Hall Street, Concord, NH 03301 on January 24, 2012 at 10:00AM.

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The CONTRACT DOCUMENTS may be examined at the following locations:

Construction Summary of NH, 734 Chestnut Street, Manchester, NH 03104

Bid Ocean, PO Box 40455, Grand Junction, CO 81501

Associated General Contractors, 48 Grandview Road, Bow, NH 03304

McGraw Hill Construction Dodge Plan Room, 880 Second Street, Manchester, NH 03102

NE Construction News, 100 Radnor Road, Suite 102, State College, PA 16801

Copies of the Contract Documents may be obtained from the City of Concord Purchasing
Division, 311 North State Street,
Concord, NH 03301

upon payment of a fee of \$100.00 per set, which will not be refunded. Partial sets
will not be distributed. All requests for mailed documents must be accompanied by an additional
fee of \$25.00 to cover the cost of postage and handling.


Douglas B. Ross
Purchasing Manager

Date: December 15, 2012

SECTION 01010 – SUMMARY OF WORK

PART 1 - GENERAL

1.01 RELATED WORK

- A. Section 01040 - COORDINATION.

1.02 WORK COVERED BY CONTRACT DOCUMENT

- A. **Project Identification:** Project consists of demolition of existing mechanical and electrical equipment, structural steel, piping, concrete and masonry structures within the Influent Lift Station, Influent Wet Well, Screw Pump Area, North Biotower, Biotower Effluent Channels and Intermediate Pumping Station Wet Well of the Hall Street Wastewater Treatment Plant. Installation of a biofilter with associated blower with sound proof enclosure, exposed pipe and ductwork, buried pipe, drain manhole, aluminum flat and inclined covers for the odor control system, prefabricated translucent enclosure for the north Biotower for odor control, exhaust fans, piping, valving, dampers, electrical and controls as shown on the Drawings and as specified herein.

1. **Project Location:** Hall Street Wastewater Treatment Plant
Concord, NH 03301

- B. **Engineer Identification:** The Contract Documents, dated December 2011, were prepared for Project by Fay, Spofford & Thorndike, LLC.

- C. The Work consists of the following.

1. Remove and dispose offsite sections of existing aluminum grating and structural beams and piping as shown on the plans.
2. Core existing concrete slabs and wall for duct and pipe penetrations.
3. Remove and relocate existing conduits, pipes, hangers and structural members to accommodate the new ductwork, piping, aluminum flat and inclined covers, prefabricated enclosure, fans, electric conduits, electric panels and controls.
4. Furnish and install new inground biofilter, including a header, laterals and engineered biofilter media, one two speed blower with sound proof enclosure, concrete walls, pipe supports, precast manhole, odor control pipe system, filtrate drains, irrigation and humidification systems with electric controls and other miscellaneous items as shown on the plans..
5. Furnish and install aluminum flat and inclined covers with associated structural galvanized steel or aluminum beam supports, angle supports,

access hatches, integral pipe penetrations stubs and lifting handles at the various locations as shown on the plans.

6. Furnish and install one complete prefabricated enclosure, translucent panels, dormer, door with all SS hardware, manually operated windows, ductwork penetration openings, gasketing for water tightness and galvanized structural steel angle over the north Biotower.
 7. Furnish and install all odor control stainless steel pipes, FRP ductwork, HDPE buried pipe, isolation dampers, volumetric dampers, duct/pipe inlet screens, stainless steel and or concrete pipe/duct supports, low point condensate drain pipes, flexible connections and other miscellaneous items as shown on the plans or specified.
 8. Furnish and install all plumbing work with associated piping, valves, equipment miscellaneous items specified and as shown on the plans.
 9. Furnish and install all required electrical equipment, controls, conduits, concrete ductbanks and wiring.
 10. Remove and replace two existing roof exhaust fans within the Influent Lift Station with motorized dampers, including modifications and restorations for the existing roof.
 11. Furnish and install all new yard piping, including new relocated D.I. city water pipe and appurtenances.
 12. Furnish and install special coatings and paints in the Influent Wet Well, Screw Pump Area, Influent Lift Station and Biotower as shown on the plans.
 13. Furnish and install replacement bituminous pavements.
 14. Site Restoration.
- D. All equipment and structures, new and existing, shall be protected from deterioration from dust, moisture and physical damage at all times.
- E. Materials of demolition shall be removed from the site and disposed of in an acceptable legal manner.
- F. Salvaged material shall remain the property of the Owner and stored as designated by the Engineer or Owner.
- G. Safe and clean working conditions shall be maintained at all times, especially for operations and maintenance staff. Access for operation and maintenance must be properly maintained for foot traffic and vehicular traffic. This will require OSHA approved methods.
- H. No open fire burning will be allowed on site.

- I. Removal of existing structures, tanks, piping, pumps and/or equipment from service shall be done by the Contractor in coordination with the Owner's personnel, when allowed by the Engineer, in a manner compatible with or so as to minimize interruption of the treatment process. The Contractor shall take out-of-service and isolate treatment processes to perform his work, subject to the limitations/constraints established herein and under Section 01040 – COORDINATION. The Contractor shall be responsible for any additional cleaning required in preparation for construction or equipment/system checkout and performance testing.
 1. Contractor shall conduct his operations in a manner that allows the treatment plant to remain operational during the entire time of construction.

1.03 SPECIAL SITE CONDITIONS AND PROJECT CONSTRAINTS

- A. The Contractor is advised that the work takes place within an operating wastewater treatment plant and Contractor is to adhere to posted safety signage and notices.
- B. The Contractor is advised that they will be working in areas and/or proximity to areas of raw sewage, scum, sludge, hot water, sodium hypochlorite, acid and caustic liquids.
- C. The Contractor is advised that on-site access for installing the new equipment is limited. The Contractor shall inspect the site to determine the available access routes. The Contractor shall also review the available site drawings for the plant with respect to underground utilities and structures along the possible access routes. The Contractor shall review the selected access route with the Owner prior to bringing any equipment or materials on-site. Any damage to the site, including paved and seeded areas, as well as utilities or structures resulting from the Contractor's use of the site shall be repaired by the Contractor at no additional cost to the Owner.
- D. Contractor to note that the influent wet well and screw pump areas are considered a permit required confined space. The influent wet well, screw pump and the Influent Lift Station areas are considered explosion proof areas. The Contractor shall take all necessary precautions and shall comply with all OSHA regulations including OSHA 29 CFR 1910.146 while working in these areas.

1.04 ORDER OF WORK

- A. The work shall be executed in such order and manner as the Engineer shall approve. The Contractor shall immediately after the award of the contract, work out in detail a construction progress schedule covering all parts of the work which

shall be submitted to the Engineer for approval. The Contractor's schedule shall reflect the following conditions:

1. Work activity within the screw pump area is limited to one screw pump at a time. New work activities over and next to the inactive screw pump are to be completed and accepted by the Owner prior to initiating new work over the next screw pump. City personnel working hours are 7 A.M. to 3:30 P.M.
 2. Work activity within the Influent Wet Well is to be conducted such as to protect all workers and city personnel, furnish and install one temporary working platform at elevation 213.5+/- for the entire Wet Well Area capable of withstanding the influent sewer flow forces and water buoyancy forces, as well as penetrations provisions for one 18" Plant Drain, 8" Septage Drain temporary connections to the bottom of temporary platform and float controls accessibility for the duration and acceptance of the various activities within this area.
 3. Work activity within the biotower area is limited to one biocell at a time if interruption of wastewater flow to the biocells is required. If interruption of wastewater flow to the biocells is not required, the Contractor can proceed with the installation of enclosures on both biocells simultaneously. At least one biocell shall remain in operation at all times. The Contractor shall make all efforts to minimize the disruption of wastewater flow to the biocells. The Owner reserves the right to place both biocells in operation to avoid potential NPDES exceedences.
- B. The work shall be prosecuted and SUBMITTALS furnished for approval in accordance with the Contractor's approved Construction Schedule.

1.05 CLEANUP

- A. Debris and waste material shall not be permitted to accumulate and the work shall be kept satisfactorily clean at all times.
- B. Immediately after unpacking, the Contractor shall collect and remove all packing materials, case lumber, excelsior, wrapping, and other rubbish.
- C. The Contractor shall provide metal containers with tight fitting covers, located where directed or approved by the Engineer, into which all refuse and garbage shall be deposited on a daily basis.
- D. Upon completion of the work and before acceptance and final payment, the Contractor shall remove, at his own expense, all temporary structures and equipment built or furnished by him, all debris and waste materials, and all

surplus materials of all kinds from the site of the work, and dispose of them in a manner approved by the Engineer. The premises shall be left in a neat and orderly condition.

PART 2 - PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

**** END OF SECTION ****