



**City of Concord, New Hampshire
PURCHASING DIVISION**

CITY HALL 41 GREEN STREET

CONCORD, NH 03301

603-225-8530 FAX: 603-230-3656

INVITATION FOR BIDS

The **Purchasing Division, 1st Floor, City Hall, 41 Green Street, Concord, New Hampshire 03301**, will receive sealed Bids for “Hall St. and Penacook Wastewater Treatment Plants SCADA Phase II-B Upgrades” until **February 14th 2012 at 2 PM** at which time and place they will be opened and publicly read. The sealed envelope should be plainly marked:

**“HALL STREET AND PENACOOK WASTEWATER TREATMENT PLANTS
SCADA PHASE II-B UPGRADES”**

Bids may be issued only by the Purchasing Agent to authorized firms and are not transferable unless authorized by the Purchasing Agent.

1. Copies of the Contract Documents may be obtained from Purchasing Division, City Hall, 41 Green Street, Concord, NH 03301 (603) 225-8530 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 **\$20.00** to cover the cost of postage and handling.
2. A non-mandatory pre-bid informational meeting will be held at the Hall Street Wastewater Treatment Facility, 125 Hall Street, Concord, NH 03301 on **January 26th, 2012 at 10 AM**.
3. Each bid shall be accompanied by a certified check, cash, check drawn by a New Hampshire bank, or bid bond for and subject to conditions provided in the Instruction to Bidders. The amount of such bid deposit shall be **ten percent (10%)** of the total bid, made payable to the City of Concord, New Hampshire.
4. No Bidder may withdraw a Bid within **ninety (90) calendar days** after the actual date of opening thereof.
5. The City of Concord reserves the right to reject any or all bids or any part thereof, to waive any formality, informality, information and/or errors in the bidding, to accept the bid considered to be in the best interest of the City, or to purchase on the open market if it is considered in the best interest of the City to do so.
6. The successful bidder shall be required to furnish a Performance Bond and a separate Payment Bond, each in the amount of **one hundred percent (100%)** of the contract price.
7. Completion time for the project will be calculated as calendar days from the date specified in the “Notice to Proceed” as follows:

One hundred and fifty (150) consecutive calendar days from NOTICE TO PROCEED for substantial completion. No additional time will be given for completion of any Alternates; completion of Alternates must be scheduled in parallel with the Base Bid work.

Thirty (30) consecutive calendar days from substantial completion for contract completion.

8. Liquidated damages will be in the amount of **\$1,300.00** for each calendar day of delay from the date established for substantial completion, and **\$700.00** for each calendar day of delay from the date established for contract completion.

9. Any contract or contracts awarded under this Invitation for Bids are expected to be funded in part by a grant from the New Hampshire Department of Environmental Services, therefore the successful bidder will be required to comply with all the requirements of the funding program.

10. The Owner will retain a portion of the progress payment, each month, in accordance with the following procedures:

a. Retainage shall be held in a non-interest bearing account.

b. Until the work is **50% complete**, as determined by the Engineer, retainage shall be **10% of the monthly payments** claimed. The computed amount of retainage will be deposited in the non-interest bearing account established above.

c. After the work is **50% complete**, and provided the Contractor has satisfied the Engineer in quality and timeliness of the work, and provided further that there is no specific cause for withholding additional retainage no further amount will be withheld. The non-interest bearing account will remain at the same balance throughout the remainder of the project, unless drawn upon by the Owner in accordance with articles 19, 22 and 58.

d. Upon substantial or final completion (as defined in article 25), the amount of retainage in the non-interest bearing account may be reduced to **2% of the contract amount** plus an additional retainage based on the Engineer's estimate of the fair value of the punch list items and the cost of completing and/or correcting such items of work, with specified amounts for each incomplete or defective item of work. As these items are completed or corrected, they shall be paid for out of the retainage in the escrow account until the entire project is declared completed (See article 25). The final (2%) retainage shall be held during the **one-year warranty period** and released only after the project has been accepted by the Owner.”

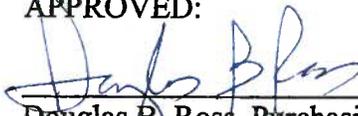
The CONTRACT DOCUMENTS may be examined at various locations as noted on the listing on the following page.

Failure to submit all information as detailed on the Bid Submission Checklist and/or submission of an unbalanced bid are sufficient reasons to declare a bid as non-responsive and subject to disqualification.

All bids are advertised, at the City's discretion, in various publications and are posted publicly as detailed below:

Name	Advertising Medium	Address	Phone/Fax	Docs for Viewing?	Email and Web Address
City of Concord, NH	Posted on City Website and in City Hall Lobby	41 Green Street, Concord NH 033301	603.225.8530 603.230.3656 (fax)	Yes	purchasing@onconcord.com www.onconcord.com/purchasing
Associated General Contractors	Bid House	48 Grandview Drive, Bow NH 03304	603.225.2701 603.226.3859 (fax)	Yes	plansroom@agcnh.org http://nh.agc.org
Construction Summary of NH	Bid House	734 Chestnut St, Manchester NH 03104	603.627.8856 603.627.4524 (fax)	Yes	info@constructionsummary.com www.constructionsummary.com
McGraw Hill Construction	Bid House	880 Second Street, Manchester NH 03102	603.645.6554 603.645.6714 (fax)	Yes	Priscilla_littlefield@mcgraw-hill.com www.construction.com

APPROVED:



 Douglas B. Ross, Purchasing Agent
 Date: 1/9/12

Bid Due Date/Time: February 14th, 2012 at 2 PM

SECTION 01110

SUMMARY OF WORK

PART 1 GENERAL

1.1 WORK COVERED BY CONTRACT DOCUMENTS

1.1.1 Project Description

The BASE BID work generally includes (but is not limited to):

1. Installation of Owner furnished variable frequency drives (VFDs) for the Hall Street Utility Water Pumping system. Installation of associated appurtenances and instrumentation.
2. Installation of 24" magnetic flow meters for the Intermediate Pumping System located in the Hall Street Intermediate Pump Station, and all associated appurtenances and piping modifications.
3. Installation of level measurement instrumentation for the Sodium Hypochlorite storage tanks located in the Hall Street Chlorination Building and all associated appurtenances.
4. Installation of level measurement instrumentation for the sludge storage tanks located adjacent to the Hall Street Administration Building, and all associated appurtenances.
5. Installation of a backup alarm dialing system located at the Penacook Control Building, and associated instrumentation and appurtenances.
6. Installation of level measurement instrumentation at the Penacook influent lift station wetwell and influent screening area, and all associated appurtenances.
7. Installation of local displays associated with the sludge dewatering system temperatures and flows, located in the sludge processing area in the Administration Building (the catwalk and control room), and all associated appurtenances.
8. Installation of local operator interface terminals (OITs) in the Secondary Sludge Pump Station and Intermediate Pump Station.

The ALTERNATE A ("Penacook Chemical Tanks Level Measurement") work generally includes (but is not limited to):

1. Installation of level measurement instrumentation and associated appurtenances for the Sodium Hypochlorite storage tanks located in the Penacook Control Building.

The ALTERNATE B ("Penacook Sludge Storage Tanks Level Measurement") work generally includes (but is not limited to):

1. Installation of level measurement instrumentation and associated appurtenances located in the sludge storage tanks at the Penacook WWTF.

The ALTERNATE C ("Penacook Thickened Sludge Flow Meter") work generally includes (but is not limited to):

1. Installation of thickened sludge flow measurement instrumentation and associated appurtenances, including piping modifications.

The ALTERNATE D ("Hall Street CP-15A Control Panel") work generally includes (but is not limited to):

1. Installation of the control panel CP-15A located in the Chlorination Building.

The ALTERNATE E ("Hall Street Chemical Storage Tank Level Measurement") work generally includes (but is not limited to):

1. Installation of level measurement instrumentation and associated appurtenances for the chemical storage tanks located in the Chlorination Building (sodium hydroxide).

The ALTERNATE F ("Hall Street Chemical Delivery Area Level Display") work generally includes (but is not limited to):

1. Installation of level display at the fill stations located adjacent to the Hall Street Administration Building for Sodium Hypochlorite and Sodium Hydroxide storage associated with the odor control system located adjacent to the Administration Building.

The ALTERNATE G ("Hall Street Lime Silo Level Measurement") work generally includes (but is not limited to):

1. Installation of level measurement instrumentation and associated appurtenances for the lime silo located adjacent to the Administration Building.

1.1.2 Location

The work shall be located at the Hall Street Wastewater Treatment Plant in Concord, New Hampshire.

1.2 SUBMITTALS

The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Submit a detailed Operating plan describing the proposed construction sequence, methods, materials and procedures to be used to ensure treatment plant operation throughout the duration of the project.

The operating plan will be approved by the Owner and will be subject to periodic updates and revisions as necessary throughout the project.

Additional Preconstruction submittals are listed elsewhere.

1.3 CONSTRUCTION SEQUENCE

Contractor shall submit an Operating plan for approval by the Owner, which shall describe how the requirements described herein shall be met.

1.3.1 General Requirements

The treatment plant will continue operation throughout the entire project as per the requirements of the NPDES permit and all applicable state and local regulations. The Contractor shall be responsible for providing all support necessary to enable treatment plant operation as such. The Operating plan shall be subject to updates as necessary throughout the project.

1.3.2 HOURS OF WORK

On-site work will be limited to the Owner's normal day shift hours and days, typically 7:00 AM to 3:30 PM. Owner may change its day shift hours of operation at its discretion and the Contractor shall adjust its hours of operations accordingly. Work will be limited to Monday through Friday except holidays as determined by the Owner.

With the exception of system demonstrations, the Work described in this Contract does not necessitate on-site work outside the hours described herein. Requests for on-site work outside of the hours described herein will be considered by the Owner. The request shall be in writing and submitted a minimum of 7 working days prior to the date on which additional work hours are requested and shall describe the circumstances and reasoning for the request. The Owner retains the right to deny any such request and to seek compensation from the Contractor to accommodate any such request.

1.3.3 SCHEDULING REQUIREMENTS FOR ENGINEER INSPECTION

Engineer shall provide part time inspection of the work. Engineer and/or Owner may inspect any portion or all of the the work at their discretion. In order to ensure Engineer is present to inspect those portions of the work that the Engineer wishes to inspect the Contractor shall comply with the following items:

A. Notice Procedure: Contractor shall give both Owner and Engineer a full two business days (48 hours) notice of any work to be preformed on the site. Contractor is responsible for scheduling the work of all Subcontractors and equipment/material providers. The notice shall be in witting and it is the Contractors responsibility to ensure that the designated individuals representing the Owner and Engineer receive the notice two business days in advance of work to be preformed. Business days shall be defined as normal working days (Monday through Friday except holidays). The notice shall indicate the work to be preformed on each date (day). The Owner and Engineer shall each designate a representative that the Contractor shall send the notices to, again it is the Contractor's responsibility to ensure that the designated representatives have received the notice. If the designated individual is going to be unavailable for all of the normal working hours (7:00 AM to 3:30 PM) of a business day that designated representative shall inform the Contractor of this fact and if appropriate shall designate another person for the Contractor to schedule the work and associated inspection with. When work is scheduled and the Contractor realizes that the work needs to be re-scheduled then they Contractor shall provide the Owner and Engineer one full working day (24 hours) notice that the work will not be preformed, it is the

Contractor's responsibility to ensure the designated representatives received the cancellation in a timely manner.

1.4 COORDINATION OF MAIN PLC PROGRAMMING

The Engineer shall modify the PLC programs. This work will need to be done prior to equipment check out, startup and demonstration. Contractor and Engineer shall coordinate their respective work. Additional requirements related to coordination of this work is provided elsewhere.

1.5 ADDITIONAL REQUIREMENTS

1.5.1 Gas Monitoring During Construction

Contractor shall monitor and provide alarms for hazardous gases in Class I, Division 1 & 2 areas when construction related activities are taking place. Construction related activities shall include work by or the presence of Contractor, Sub-Contractors, equipment suppliers, start-up activities, etc. Hazardous gases to be monitored and alarmed in non-confined spaces shall be at a minimum combustible gases. When entering a confined space Contractor shall follow all Federal, State and local requirements.

1.5.2 Work in Confined Spaces

When entering and working in a confined space Contractor shall follow all Federal, State and local requirements.

PART 2 PRODUCTS

Not Applicable

PART 3 EXECUTION

Not Applicable

-- End of Section --