

**Beaufort Road Pump Station Improvements
Request for Bids – Installation of
Pumps, Piping & Related Equipment**

December 2016 (REVISED 12/16/16)



The City of Camden, South Carolina is seeking bids for the installation of pre-purchased pumps, control equipment, and related components in addition to certain force main piping and wetwell discharge piping, and wetwell lining at its Beaufort Road sewage lift station. The site is located at the end of Beaufort Rd off of Black River Road near Camden, South Carolina. **This document was revised December 16, 2016 to include updated plans and specifications (with new reference link) and extending the bid due date by one day to December 21, 2016.**

Pre-purchased Equipment to be Installed

The City has procured two 30 HP, 230v, 3 phase, nominal 6-inch Xylem/Flygt pumps, Model No. NP 3171 MT 3~ 434. In addition, the City has pre-purchased the control panel, float switches, pump bases, guiderails, wetwell and valve vault hatches, etc. to provide the major components for the pump installation. The City is also providing for, under separate contract, the installation of a new 80 KW standby generator. Attached is a materials list of pre-purchased equipment from Xylem that the mechanical contractor will be installing. The Contractor shall provide all other necessary materials, piping, hardware, wiring, and appurtenances typically associated with a submersible pump system.

Plans & Specifications

The selected Contractor shall install the pre-purchased equipment, along with any other Contractor supplied materials and labor, in accordance with the plans and specifications entitled, "Beaufort Road Pump Station Improvements February 2016" as amended and prepared by Thomas & Hutton, Inc. of Mt. Pleasant, South Carolina. Questions regarding the plans and specifications may be directed to Jonathan Smith, PE at smith.j@thomasandhutton.com.

Design & Installation Information

The current configuration is a suction lift pump station with a designed duty point of 550 gpm at 71' TDH. Although present voltage is 240v, 3-phase Open Delta, it is anticipated that this power will be changed to 240v, 3 phase Delta by City staff as part of the project. The existing wetwell will remain, but replace the existing pumps with City-supplied new submersible pumps having a duty point of approximately 700 gpm at 85' of TDH. The current wetwell is 8' in diameter with a gravity sewer influent elevation of approximately 141.5' and a bottom elevation of approximately 136.5'. The interiors of the wetwell and new valve vault are to be coated with an appropriate protective coating as provided by Raven Lining Systems. The Contractor will be responsible for all bypass pumping, when necessary, to insure uninterrupted wastewater flow during construction. While the supplied equipment is under the work of the Contractor, the Contractor shall be responsible for its proper storage and security.

Schedule

The Contractor, with concurrence from the Owner and Engineer, will be responsible for providing a schedule that will efficiently provide for installation and start-up of the upgraded facility while maintaining uninterrupted wastewater service. Generally, the following tasks shall be accomplished. They may or may not be conducted in the order listed, but shall follow a logical plan with some items being accomplished simultaneously:

- Set up and maintain bypass pumping equipment
- Drain wetwell and remove existing equipment
- Install mechanical/yard piping
- Dry wetwell and prep for coating
- Install any hardware, piping, etc. to be coated
- Apply Raven Lining coating by Raven-certified applicator
- Install other internal piping and hardware as required
- Install wetwell top and hatches
- Install electrical conduit as needed
- Install control panel, wiring and related components; transfer any existing to remain
- Touch-up equipment paint, piping paint, etc.
- Install pumps, cable, float switches, etc.
- Test components
- Coordinate check-out, draw-down testing and start-up.
- Punchlist

It is anticipated the substantial completion of the project should take no longer than sixty (60) calendar days following issuance of a purchase order, with final completion taking place within seventy-five (75) days.

Provide with the Submittal

1. Copy of general liability insurance. The selected contractor will be required to list the City of Camden as a certificate holder and also provide Worker Compensation insurance.
2. Copy of South Carolina Contractor License
3. Performance bond in at least the amount of bid plus five (5) percent
4. List of any subcontractors

Pre-bid and Review of Bids

City staff, along with their Engineer, Thomas & Hutton, will review the bids to determine which submittal will be accepted in the best interest of the City. The City may reject any and all offers in the best interest of the City.

1. Questions regarding the project during the Bid Advertisement Phase should be directed in writing to Raymond Peterson, PE, Deputy Director for Public Works, at rpeterson@camdensc.org and Jonathan Smith, PE, Thomas & Hutton at smith.j@thomasandhutton.com
2. Contractors are encouraged to visit the site prior to the bid date to obtain a better understanding of work to be performed. Site visits for inspection during the Bid Advertisement phase may be arranged by contacting Raymond Peterson, Deputy Director for Public Works, or James “Red” Ray, collections system supervisor, at (803) 425-6045.

Execution

1. Upon notice of selection, and following any further review,
 - a. Provide all shop drawings, etc. for the equipment and materials to be supplied.
 - b. The Contractor will be required to provide worker compensation and liability insurance for any work on site and hold a City of Camden business license.
 - c. The contractor shall be duly licensed by the State of South Carolina, Department of Labor, Licensing, and Regulation in a category(ies) associated with the intended work.
 - d. Upon receipt of a purchase order(s) from the City and a copy of the SCDHEC Permit to Construct, begin installation of the various components. The Contractor shall coordinate with City staff for any work that may interfere with daily operations of the facility. The Contractor will be responsible for any bypassing of the pump station during the course of the project.
2. Following shop drawing approval, etc. proceed with site work, bypassing and mechanical installation. The Owner may elect to retain certain removed equipment and/or piping and appurtenances.
3. Following installation of system components by the Contractor, coordinate and provide check-out and start-up of the system. The City has pre-paid to Xylem for inspection, start-up, warranty, and training services for pump-related components supplied by Xylem. The Contractor will be responsible for all other start-up and warranty of remaining components.
 - a. The pump manufacturer representative shall conduct a wetwell draw-down test of each pump independently and also with both pumps running simultaneously.
 - b. The pump representative shall provide a start-up report upon completion and confirm the pumping system meets the intended design/field conditions.
 - c. The pump representative shall conduct a training session with City staff on the operation and maintenance of the pumps and control system.

Warranty

1. The Supplier shall provide the standard manufacturer warranty coverage for the components supplied, along with workmanship and materials for all other installed items for a period of no less than one (1) year.
2. The warranty period shall commence upon successful commissioning of the equipment and SCDHEC Permit to Place into Operation.

Instructions to Bidders

Sealed Bids, with all requested documents, literature, forms, etc. to be submitted by mail or in person to, Tom Couch, Director of Public Works, City of Camden, SC no later than **Wednesday, December 21, 2016 at 2:00 PM.** Subject line, "Beaufort Rd Pump Station Improvements BID".

Submit sealed bid packages to the following address:

City of Camden
Department of Public Works
Attn: Beaufort Rd PS Upgrade BID
1000 Lyttleton St
Camden, SC 29020

CITY OF CAMDEN
CAMDEN, SOUTH CAROLINA
(Owner)
Revised December 16, 2016

ATTACHMENT

Pre-purchased Supplied Equipment



May 4, 2016

ALL PROSPECTIVE BIDDERS

Re: Camden, SC Beaufort Rd PS Upgrade

Xylem Water Solutions USA, Inc. is pleased to provide a quote for the following Flygt equipment.

Xylem Water Solutions USA, Inc. is pleased to provide the following Flygt equipment.

Camden, SC Beaufort Rd Pump Station Upgrade

Qty	Description
2	Flygt Model NP-3171.185 6" volute Submersible pump equipped with a 230 Volt / 3 phase / 60 Hz 30 HP 1750 RPM motor, 434 impeller, 1 x 50 Ft. length of SUBCAB 4G25+S(2x0,5) submersible cable, FLS leakage detector, volute is prepared for Flush Valve
50	CHAIN 5/16" 316SS SWL2750#
2	KIT,CHAIN FITTING 316SS+ FLYGT SWL1250#
1	GRIP EYE UNIT
2	CONNECTION,DISCH 5/2X6" CI
1	COVER,ACCESS 54X54 ALUM+ FLECD-12AOSH
1	COVER,ACCESS 54X54 FLECD-12+ ALUM
1	HOLDER,CABLE HEAVY DUTY 316SS
2	BRACKET,GUIDE BAR UPPER 2" 316
2	BRACKET,INT GB 2 X 6" 316SS+ FOR CI/DI PIPE
1	Four float logic Control Panel includes Junction Box for cable pulling.
2	MINI-CASII/FUS 120/24VAC,24VDC
2	SOCKET,11-PIN BACK MOUNTING
4	SENSOR,ENM-10 0.95-1.1 40'
80	TS3162 FEET 2"GUIDE RAIL 316SS
1	START UP CHARGE FLYGT 1-TP MODELS: 3000,7000,8000

Camden, SC Beaufort Rd Pump Station Upgrade

Incoterm: 1 FCA - Free Carrier **Named Placed:** 02 - US WH/ Factory

Incoterms 2010 clarify responsibility for costs, risks, & tasks associated with the shipment of goods to the named place.

Taxes: State, local and other applicable taxes are not included in this quotation.

This Quote is valid for thirty (30) days.

Terms of delivery: PP/Add Order Position

Time of delivery: Approx. XX working weeks after receipt of order.

Terms of payment: Net 60 Days

Terms & Conditions:

TERMS AND CONDITIONS OF SALE - NORTH AMERICA Page 1 of 3 (January 2015)

1 Agreement, Integration and Conflict of Terms. These terms and conditions, together with any special conditions expressly incorporated thereto in the quotation or sales form, are to govern any sale between the Seller and Buyer. The Seller shall mean the applicable affiliate of Xylem Inc. that is party to the Agreement ("Seller"). The Buyer shall mean the entity that is party to the Agreement with Seller. This writing is an offer or counteroffer by Seller to sell the goods and/or services set forth on the quotation or sales form subject to these terms and conditions and is expressly made conditional on Buyer's assent to these terms and conditions. Acceptance by Buyer is expressly limited to these terms and conditions. Any additional or different terms and conditions contained in Buyer's purchase order or other communication shall not be effective or binding upon Seller unless specifically agreed

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CONTRACTOR'S BID FORM

Installation of Beaufort Rd Pump Station Pumps, Piping & Related Equipment

TO: City of Camden
1000 Lyttleton Street
Camden, SC 29020

SERVICES AND MATERIAL PROPOSAL

The undersigned (hereinafter called the "Contractor") hereby proposes to provide materials and equipment, and installation services as may hereinafter be specified to be requested by the Owner, and to furnish all other materials and appurtenances normally provided with the referenced items, including delivery to City of Camden facilities for the improvements to the Beaufort Rd Sewage Lift Station near Camden, South Carolina in accordance with the Request for Bids (RFB) attached hereto and made part hereof.

The intent of the RFB is to provide primarily the installation of pumps and control equipment, mechanical piping and related appurtenances as noted for improvements to an existing lift station, along with coordination of check-out/start-up services the equipment providers for a complete working system at the City of Camden's existing sewage lift station.

The quantity of work is to be in and around the City of Camden, South Carolina as directed by the Owner/Engineer. The Supplier will furnish all materials and services necessary thereof under the Services and Material Proposal for the unit prices stated in the proposal. The Owner may negotiate through the proposal process with the Contractor for the best combination of items/options to be provided.

Include all requested documents in the RFB w/Contractor's Bid Form

Project Bid Price:

1. Installation of two (2) pumps, bases, guide rails, chain, cable hooks and related pump appurtenances. Installation of control cabinet, float switches, junction box & related control/electrical components & materials. Installation of access covers for wetwell and valve vault and appurtenances; new concrete wetwell top and valve vault. Installation of mechanical piping, bypass pumping, removal of existing equipment, and all other related sitework:

\$ _____

2. Protective Raven Lining coating of wetwell and valve vault \$ _____

CONTRACTOR'S BID FORM (Continued)

Beaufort Rd Lift Station Pumps, Piping & Related Equipment

State and local taxes, delivery charges (if applicable) \$ _____

Total Standard Bid Cost \$ _____

Optional Additions/Deductions/Substitutions (as noted)

Item **Cost/Credit (incl taxes & delivery)**

_____ \$ _____

_____ \$ _____

_____ \$ _____

(Attach additional explanations, if needed)

(Name of Contractor) _____

(By) _____
(Signature)

(Printed Name)

(The bid must be signed with the full name of the Contractor. In the case of a partnership the Bid must be signed in the firm name by each partner. In the case of a corporation the Bid must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the Corporation. A typewritten copy of all such names and signatures shall be appended.)

(Title of Officer) _____

(Address of Contractor) _____

(Date) _____ e-mail: _____

Office Telephone of Contractor: _____

Plans & Specifications

The project plans and specifications may be viewed at the following links:

<http://ftp.thomasandhutton.com:80/AHT/DownloadLogin.aspx?package=w4oSt6SCDmioYYI1laWuCQWa9WLQbncLJwBURrNV2B4VEdhLjXxVeewSAkT6XgXZtn1Pc5FF1fKGtYB8ysjNXObpqHgOPNnDLAniaXe3jZ4%3d>

Full-size hard-copy plans may be obtained from the engineer, Thomas & Hutton, by contacting Jonathan Smith, PE at smith.j@thomasandhutton.com or calling (843) 725-5271.

Electrical questions may be directed to A.J. Molnar, PE, Southeastern Consulting Engineers, at (704) 523-6045 or aj@scepower.com

The Xylem-Flygt equipment representative is Peter Carlson at Peter.Carlson@Xyleminc.com or 704-996-7320.
