

SECTION 00 11 16

INVITATION TO BID

City of South Portland, Maine

Secondary Clarifiers Rehabilitation

(Bid# 39-18)

Sealed bids for construction of the South Portland Secondary Clarifiers Rehabilitation (Bid# 39-18) will be received by the South Portland Purchasing Agent (Owner) at the South Portland City Hall, 25 Cottage Road, South Portland, Maine 04106 until 1:00 P.M., local time, February 20, 2018 and then at said office publicly opened and read aloud. Bids submitted after this time will not be accepted. Each Bidder must submit a single sealed envelope, the outside of which must be clearly marked "**Secondary Clarifiers Rehabilitation (Bid# 39-18)**" with the name of the entity submitting the Bid. Bids will only be accepted and opened from Bidders who are registered with the Issuing Office as having purchased a hardcopy set of the Bidding Documents using the name appearing in the Bid.

Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows.

- A. The Work includes labor, material and equipment, services required for construction, startup and testing of the Project in accordance with the Contract Documents and as more specifically described in the Specifications and Drawings and includes, but is not limited to, the following principal features:
 1. Secondary Clarifiers #1-#3
 - a. Demolish and replace various metal components and hardware of three secondary clarifiers including walkway bridge support framing, portions of the center cage and center column, rake arm squeegees and the scum skimmer arm.
 - b. Blast all metallic components of existing secondary clarifiers.
 - c. Recoat all new and existing ferrous metallic components.
 - d. Refurbish or replace each of the three existing secondary clarifier drives based on the results of an inspection of each drive and at the direction of the Engineer.

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- e. Demolish and replace wiring from each secondary clarifier to the Operation Building. Provide new lighting and electrical equipment local to each clarifier.
 - f. Demolish and replace interior lighting and provide new exterior mounted junction box and lighting controls at each secondary clarifier.
2. Work Site locations: The project site location is the South Portland Wastewater Treatment Facility and Secondary Clarifiers generally as shown on the Drawings.
 3. Existing Conditions & Site Data: Per Drawings and Division 01

This Contract is expected to be funded in whole by the City of South Portland.

Bids will be received for a single prime Contract. Bids shall be on a lump sum basis, with additive alternate Bid items as indicated in the Bid Form.

Partial substantial completion shall be granted individually for Work in each Secondary Clarifier. Substantial completion shall be granted after all three Secondary Clarifiers have achieved partial substantial completion. The Work shall be substantially complete within 200 calendar days from the commencement of Contract Times as provided in Paragraph 2.03 of the Standard General Conditions, and completed and ready for final payment in accordance with Paragraph 14.07 of the Standard General Conditions 230 calendar days from the commencement of Contract Times.

B. Bidders shall note sequencing/scheduling requirements specified in the Contract Documents and as follows:

1. Sequentially isolate flow entering the Secondary Clarifiers for demolition, modification, startup and testing of Work. A combination of at least two Secondary Clarifiers shall be in service at all times for treatment and permit compliance. Only one Secondary Clarifier may be taken offline at a time. Partial substantial completion shall be granted prior to beginning work on the next clarifier. Refer to the Contract Drawings for additional information.
2. Suggested Secondary Clarifier sequencing includes but is not limited to:
 - a. Inspect existing tank and dome cover for crane access to each clarifier. Remove, protect, store and reinstall dormer and individual panels as required.
 - b. Disconnect all electrical service running to the drive and lighting.
 - c. Provide support/blocking for the rotating rake arms.

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- d. Disconnect and remove the existing drive.
- e. Prepare existing drive for refurbishment by draining and lawful disposal of all oils and liquid and placing and securing drive to a pallet for shipment to the Clarifier Drive Refurbishment Contractor.
- f. Remove, protect, and store existing draft tubes. Demolish sludge valves for Secondary Clarifiers #1 and #3 only.
- g. Remove existing walkway bridge and drive platform. Existing walkway bridge and drive platform shall be used as a template for replacement components. All new members shall match existing sizes and configurations. Demolish components identified by the Contract Documents. Protect, store and reinstall components to be reused.
- h. Perform modifications to existing equipment including miscellaneous metals repair, clarifier equipment repair, electrical work and all other work required by the Contract Documents.
- i. Prepare and field paint all new and existing metallic components of the secondary clarifier.
- j. Reinstall and re-level existing draft tubes and sludge valves.
- k. Reinstall new walkway bridge and salvaged grating and railings.
- l. Install new lighting.
- m. Receive and install refurbished or new drive.
- n. Remove supports/blocking from rotating rake arms and clear tank floor of any remaining construction debris.
- o. Connect all existing and new electrical services.
- p. Re-level rotating arms and check for true horizontal plane.
- q. Start-up and test drive.

The **Issuing Office** for the Bidding Documents is:

Woodard & Curran (Engineer)
41 Hutchins Drive
Portland, ME 04102

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The Contract Documents may be examined at the Issuing Office on or after 10:00AM on January 23, 2018.

The Bidding Documents are available for viewing electronically at no cost or as printed copies as specified below by contacting Julianne Page at jpage@woodardcurran.com or 207-558-3716.

Printed copies of the Bidding Documents may be obtained from the Issuing Office, during the hours indicated above as follows:

Non-refundable purchase price for each set of Bidding Documents: \$200 payable to Engineer.

Non-refundable charge for delivery of Bidding Documents: An additional \$30.00 payable to Engineer. Delivery fee does not apply to Bidding Documents obtained personally at Issuing Office.

The date that the Bidding Documents are transmitted by the Issuing Office will be considered the Bidder's date of receipt of the Bidding Documents. Partial sets of Bidding Documents will not be available from the Issuing Office. Neither Owner nor Engineer will be responsible for full or partial sets of Bidding Documents, including Addenda if any, obtained from sources other than the Issuing Office or for modifications to the Bidding Documents including electronic conversion.

A mandatory Pre-Bid Conference will be held for Bidders (general contractors only) at **9:00 AM on** February 1, 2018 at the City of South Portland Wastewater Treatment Facility, 2nd floor conference room, 111 Waterman Drive, South Portland, Maine 04116. Attendance by Subcontractors and Suppliers is encouraged but is not mandatory.

All questions are to be submitted to Engineer in writing. Questions may be transmitted by e-mail to the Engineer at jpage@woodardcurran.com. Questions received less than 5 working days prior to the date for opening of Bids may not be answered. Only questions answered by Addenda will be binding.

Bid security shall be furnished in the amount of 5 percent of the Bidder's maximum Bid Price in accordance with the Instructions to Bidders in the form of a Bid Bond only issued by a surety meeting the requirements of the General Conditions.

No Bid may be withdrawn for at least 60 days after receipt of Bids unless released by the Owner.

Owner reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. Owner further reserves the right to reject the Bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to not be eligible or responsible. Owner may also reject the Bid of any Bidder if Owner believes that it would not be in the best interest of the Project or the public to make an award to that Bidder. Owner also reserves the right to waive any technical or legal deficiencies and all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder.

By Order of the City Council of South Portland

END OF SECTION

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