

**MBWWTP SOLIDS PROCESS OPTIMIZATION IMPLEMENTATION  
PHASE 2 THICKENER UPGRADES  
CONTRACT NUMBER W-16-017-201**

**CITY OF CHATTANOOGA, TENNESSEE**

Sealed Bids for furnishing all materials, labor, tools, equipment and appurtenances necessary for the construction of the Phase 2 Thickener Upgrades will be received at the City of Chattanooga at City Hall, Purchasing Department, Suite G13, 101 East 11th Street, Chattanooga, TN 37402, until 2:00 p.m., local time, on Thursday, March 1, 2018, and then at said office publicly opened and read aloud.

A Pre-Bid Conference is scheduled for Thursday, February 1, 2018 at 2:00 PM. local time, in Training Facility, Moccasin Bend Wastewater Treatment Plant, 455 Moccasin Bend Road, Chattanooga, TN 37405. Bidder attendance is encouraged but not mandatory.

The project consists of repair, rehabilitation and replacement work at the Moccasin Bend WWTP Gravity Thickener facility, generally described as follows:

*Thickened Sludge Pump Station 1 (PS1)* – Replacement of sludge pumps; piping modifications as required to accommodate the new pumps; Replacement of sump pumps in the pump room and the mezzanine level; replacement of the pump VFDs; Replacement of weir gates in the flow splitter box; installation of hydroxyl radical odor control units at the flow splitter box; HVAC improvements (replacement of unit heaters, repair or replacement of fans, louver upgrades) as required to provide an unclassified space; lighting upgrades in the building to meet current plant standards; electrical and instrumentation upgrades as required to support the process mechanical, HVAC, lighting and instrumentation needs of PS1; Architectural improvements (Roof replacement, door replacement, lintel and door repair, and repair to CMU and brick walls); and structural repair of concrete cracks, lintels, and brick and CMU walls as required to maintain structural integrity and improve building aesthetic.

*Thickened Sludge Pump Station 2 (PS2)* – Replacement of sludge pumps; piping modifications as required to accommodate the new pumps; Replacement of sump pumps in the pump room; modification to the piping in the sump to remove abandoned pieces and simplify the routing of the suction piping; replacement of the pump VFDs; Replacement of weir gates in the flow splitter box; installation of hydroxyl radical odor control units at the flow splitter box; HVAC improvements (replacement of unit heaters, repair or replacement of fans, louver upgrades) as required to provide an unclassified space; lighting upgrades in the building to meet current plant standards; electrical and instrumentation upgrades as required to support the process mechanical, HVAC, lighting and instrumentation needs of PS2, including the replacement of MCC-2 and connection to the City's new RIO panel in PS2; Architectural improvements (Roof replacement, door replacement, lintel and door repair, and repair to CMU and brick walls); structural repair of concrete cracks, lintels, and brick and CMU walls as required to maintain structural integrity and improve building aesthetic; and addition of a rolling gantry crane with hoist and rolling cart to allow for removal of items from the pump room.

*Gravity Thickener Tanks* – Cleaning and painting of all ferrous metal elements within the tank; cleaning, repair and painting of effluent launders, weirs and baffles plates (and replacement of FRP weirs and baffle plates in Thickeners 1 and 2 with steel equipment); replacement of scum skimmer arms and launder brush cleaning devices; repair, clean and coat the effluent launder structural supports; repair of structural elements of the sludge scraper arms, center tower assemblies, and walkways as required to maintain structural integrity; concrete crack repair of the tanks; concrete overlay of tank walls and floors; replacement of the local control panels for each thickener; replacement of the checker plate walkway surrounding each thickener's motor; and replacement of the influent pipe in thickeners 1 and 2.

*Site Lighting* – Site lighting around the gravity thickener facility, including replacement of the existing exterior lighting and addition of new lighting as shown on the drawings.

*Primary and Secondary Sludge Feed Line 3-Way Valve Replacement* – Demolition of the existing 3-way sludge valves and manholes (2 assemblies); replacement with two (2) new valve vaults, each with 2 motorized plug valves and a sump pump; and addition of a valve control panel located above-ground near the vaults.

The Instructions to Bidders, Bid, Contract Agreement, Drawings, Specifications and forms of Bid Bond, Performance Bond, Payment Bond and other Contract Documents may be examined at the following:

City of Chattanooga  
Purchasing Department  
101 E. 11th Street, Suite G13  
Chattanooga, Tennessee 37402  
423-643-7230

HDR Engineering, Inc.  
1201 Market Street, Suite C  
Chattanooga, TN 37402  
423-414-3551

Ms. Marilyn Robinson, Executive Director  
Nashville Minority Business Office  
1919 Charlotte Avenue, Suite 310  
Nashville, TN 37203  
615-255-0432

AGC of East Tennessee  
101 West 21<sup>st</sup> Street  
Chattanooga TN 37408  
423-267-1111

Copies of Contract Documents may be purchased from 8:00 am to 4:30 pm, Monday through Friday, at the office of the City of Chattanooga Purchasing Department, 101 East 11th Street, Suite G13, Chattanooga, TN 37402, phone (423) 643-7230, Fax (423) 643-7244. Cost of Contract Documents is \$100.00 per set. No part of the purchase price will be refunded.

Each Bid must be accompanied by a Bid Bond, prepared on the form of Bid Bond attached to the Contract Documents or a Surety Company's Standard Bid Bond, duly executed by the Bidder as principal and having as surety thereon a surety company licensed to do business in the State of Tennessee and listed as a certified company in the latest issue of U.S. Treasury Circular 570, in the amount of five percent of the Bid.

Disadvantaged Business Enterprises (DBE) Requirements

Any contract or contracts awarded by the Owner through this advertisement for bids will be funded by a State Revolving Fund (SRF) loan from the State of Tennessee. State and Federal funds will be involved in this Project and, as a result, Bidders must comply with the SRF Loan Program's Disadvantaged Business Enterprises (DBE) requirements, including contacting a minimum of 10 qualified DBE sub-contractors, professional service providers, vendors, and/or suppliers by certified mail to solicit bids. The apparent successful Bidder must submit to the Owner copies of the certified letters and return receipts prior to Contract award. Neither the State of Tennessee nor any of its departments, agencies, or employees is or will be a party to this Invitation for Bids or any resulting contract(s) awarded by the Owner.

#### Special Notice to Disadvantaged Business Enterprises (DBE) Firms

All qualified Disadvantaged Business Enterprises (DBE) firms desiring to bid as a General Contractor, sub-contractor, professional service provider, supplier, or equipment vendor are encouraged to contact Ms. Marilyn Robinson at the Nashville Minority Business Center office listed above to review bidding/contract documents. Qualified Disadvantaged Business Enterprises (DBE) firms may also contact {Name of the Engineer, office address, and phone number}, in order to obtain a list of prospective bidding General Contractors or to obtain copies of bidding/contract documents.

#### Davis-Bacon Act and American Iron and Steel Requirements

This project is being funded by a State Revolving Fund loan on or after 2014 EPA Fiscal Year. The loan recipient must be in compliance with all applicable Davis-Bacon Act and American Iron and Steel requirements.

The allotted time for construction is 395 calendar days.

No bid may be withdrawn within 120 calendar days after the scheduled time for receipt of bids.

All bidders must be licensed and shall comply with all requirements of the State of Tennessee Contractor's Licensing Act.

Visit City website at: [www.chattanooga.gov/general-services/purchasing/bidssolicitations](http://www.chattanooga.gov/general-services/purchasing/bidssolicitations) for specific contract information.

The City of Chattanooga is an Equal Opportunity Employer.

Any contract or contracts awarded under this Advertisement for Bids are expected to be funded with local funds in addition to funds indicated elsewhere.

The Owner will in no way be liable for any costs incurred by any bidder in the preparation of its Bid in response to this Invitation to Bid.

The successful Bidder for this Contract will be required to furnish a satisfactory Performance Bond and Payment Bond each in the amount of 100 percent of the Bid.

The Owner reserves the right to reject any or all Bids, to waive informalities and to readvertise.

CITY OF CHATTANOOGA, TENNESSEE

RECOMMENDED FOR APPROVAL:

  
\_\_\_\_\_  
William C. Payne, P.E.  
City Engineer  
Department of Public Works

APPROVED:

  
\_\_\_\_\_  
Justin C. Holland  
Administrator  
Department of Public Works

END OF SECTION