



## **HOPKINSVILLE WATER ENVIRONMENT AUTHORITY**

### Bid Packet:

FY 2021 - 2022  
Sealed Bid # 2122-04  
Rehabilitate KY-800 East Sewage Pumping Station

### Bid Opening:

Thursday, September 02, 2021 @ 1:00 P.M. CST  
401 East 9<sup>th</sup> Street, Hopkinsville, KY, 42240  
HWEA Boardroom

# **BID PACKET**

A.	Invitation to Bid	Page 3
B.	General Conditions	Page 4-7
C.	Specifications	Page 8-15
D.	Acknowledgement of Receipt	Page 16
E.	Bid Form	Page 17

IMPORTANT: In the event any of the documents are not enclosed, please advise the Purchasing Officer immediately.



## **INVITATION TO BID**

Sealed bids for furnishing and delivering the following:

FY 2021 - 2022  
Sealed Bid # 2122-04  
Rehabilitate KY 800 East Sewer Pumping Station

will be received at HWEA's Main Office, 401 East 9<sup>th</sup> Street, P. O. Box 628, Hopkinsville, Kentucky, until 1:00 p.m., CST, on Thursday September 02, 2021, at which time the bids will be opened and read aloud publicly in the HWEA Board Room, at the same address.

The Bid Packet contains the Invitation to Bid, General Conditions, Specifications, and Detailed Specifications.

# **GENERAL CONDITIONS**

## 1. INSTRUCTIONS, SPECIFICATIONS AND FORMS

Instructions, specifications and forms may be obtained via the HWEA website, in person, or by email from the HWEA Purchasing Officer at 401 East 9<sup>th</sup> Street, Hopkinsville, KY, 42240. Telephone number 270-887-2782, email [jrenshaw@hwea-ky.com](mailto:jrenshaw@hwea-ky.com), or see our website at [www.hwea-ky.com](http://www.hwea-ky.com).

- (a) All bids shall be submitted on and in accordance with the attached Bid Form. The form shall be signed and dated in the appropriate space.
- (b) Each bid shall be submitted in a sealed envelope and clearly marked on the outside of the envelope with the following:

FY 2021 - 2022  
Sealed Bid # 2122-04  
Rehabilitate KY 800 East Sewer Pumping Station

- (c) If forwarded by mail, the sealed envelope containing the proposal must be enclosed in another envelope: FY 2021 - 2022 - SEALED BID # 2122-04 - REHABILITATE KY 800 EAST SEWER PUMPING STATION and shall be mailed to the HWEA Purchasing Officer, P.O. Box 628 Hopkinsville, KY 42241, allowing sufficient time for such mailing to reach this address prior to the scheduled closing time for receipt of bids.
- (d) Additional information or clarifications of any of the instructions or information contained herein may be obtained from the Purchasing Officer.
- (e) Any bidder or bidders finding any discrepancy in or omission from the specifications, in doubt as to their meaning, or believing that the specifications are discriminatory, shall notify the Purchasing Officer in writing within 5 days of the scheduled opening of bids. Exceptions as taken in no way obligates HWEA to change the specifications. The Purchasing Officer will notify all bidders in writing, of any interpretations made of specifications or instructions.
- (f) HWEA will assume no responsibility for oral instructions or suggestions. All official correspondence in regard to the specifications should be directed to and will be issued by the Purchasing Officer.

- (g) The successful bidder may have to purchase a City of Hopkinsville and / or City of Crofton vendor's license prior to the official award of the bid, in order to meet the requirements of City of Hopkinsville and City of Crofton ordinances.
- (h) Any bidder may withdraw their bid either in person or in writing at any time prior to the scheduled time for the receipt for bids. Withdrawals after the scheduled time for the receipt of bids will not be permitted.

## 2. AWARD OF CONTRACTS

- (a) The HWEA Board may award the contract to the bidder it finds to be the most responsive (considering price, time of delivery, compliance with specifications and past experiences) and not necessarily the lowest price. HWEA reserves the right to reject any and all bids.
- (b) All bids will be awarded based on the most current edition of HWEA's Purchasing Policy, as amended.
- (c) All bids will be judged on the basis of best buy to HWEA and compliance with the General Conditions and conformance with the bid specifications. HWEA reserves the right to reject any and all bids.
- (d) Any other considerations or basis for judgment will be stated in the specifications.
- (e) Unless otherwise stated, the Purchasing Officer reserves the right to award contracts or place orders to a single source or divide awards and orders or enact such combination which in his judgment, shall be in the best interest of HWEA.

## 3. DELIVERY

- (a) Item(s) shall be delivered F.O.B. destination with delivery costs and applicable charges to be included in the bid.

#### 4. COMPETITION

In order to assure fair competition and to permit determination of the best bid:

- (a) The Detailed Specifications, which may include a name of any manufacturer, trade name, or manufacturer or vendor catalog number mentioned in the specifications or Bid Form is to designate a standard of quality and type and for no other reason.
- (b) Bids which show any omission, irregularity, alteration of forms, additions not called for, conditional or unconditional unresponsive bids, or bids obviously unbalanced may be rejected.
- (c) All bids shall be accompanied by such descriptive literature and documents as may be called for by the specifications or Bid Form.
- (d) Specifications provided are based on HWEA needs and uses, estimated costs of operation and maintenance, and other significant and / or limiting factors to meet HWEA requirements and shall be consistent with HWEA's policies. Minimum or maximum specifications where included, are not established arbitrarily to limit competition or to exclude otherwise competitive bidders.

#### 5. DISPUTES

In cases of disputes, as to whether or not an item or service quoted or delivered meets specifications, the decision of the Purchasing Officer, or authorized representative shall be final and binding on all parties. The Purchasing Officer may request written recommendation of the head of the Department using the item.

#### 6. EXCEPTIONS

The submission of a bid shall be considered an agreement to all the terms, conditions and specifications provided herein as listed in the various bid documents, unless specifically noted otherwise in the space provided on the Bid Form.

#### 7. BID BINDING

Unless otherwise specified, all formal bids submitted shall be firm and irrevocable for a period of sixty (60) calendar days from the date of opening.

8. UNIT PRICING

Unless clearly shown on the Bid Form that it is the intent of the bidder that a reduced total price is being offered on the basis of receiving an award of all items covered by the total, any totals should be the actual sum of the extension of unit price(s), extended price(s), and/or total price(s). If a mistake is observed in arithmetic, unit prices govern and the bid will be refigured accordingly.

9. DELIVERY TIME

The bidder is to indicate on the Bid Form the approximate lead time on delivery.

10. WARRANTY

The material / services furnished in accordance with these specifications shall be guaranteed to be free from defect in workmanship, material or equipment.

# **SPECIFICATIONS**

## 1. GENERAL SPECIFICATIONS

- (a) The work shall include the furnishing of all labor, materials, equipment, tools, supervision, shop drawings, traffic control, bypass pumping of sewage and related items, as required and specified, to rehabilitate the SPS at Crofton, KY, for the Hopkinsville Water Environment Authority, of Hopkinsville, KY.
- (b) BID FORMS submitted by Contractors who have not, in the opinion of HWEA, had sufficient experience in the size and type of work involved may not be considered.
- (c) Prior to work commencement, the Contractor shall schedule and coordinate all work with HWEA.
- (d) The work shall be completed in 90 calendar days from the date of the Notice to Proceed. The Notice to Proceed will not be issued until after the pumps have been delivered.
- (e) Liquidated Damages shall be assessed at \$250 per calendar day for each day in excess of the Contract Times, should the Contractor not make readiness for Final Payment as stipulated in the Notice to Proceed. Contract Time Extensions may be requested for reasonable delays outside the Contractor's control (unexpected material lead times, inclement weather, employee quarantine orders, etc.). Approved Contract Extensions will be implemented with a Change Order.
- (f) Payment will be made in a single lump-sum, inclusive of any Change Orders, within 30 days of Contractor invoicing and HWEA's acceptance. Optional: Partial payment may be made by HWEA to the Contractor upon ordering the pumps. The partial payment amount will be equal to the cost of the pump package less 10% retainage. The pumps will be considered Stored Materials and HWEA property.
- (g) Partial payment may be made by HWEA for Stored Materials.
- (h) The work space within the structures and within the excavations shall be considered Permit Required Confined Space entry and the Contractor shall be responsible to ensure that all OSHA requirements with regards to such shall be strictly followed and enforced.



- (i) The Contractor shall comply with all OSHA regulations and HWEA safety regulations that apply to work associated with this project.
- (j) The contractor shall comply with all Environmental Protection Agency (EPA) regulations which apply to the work associated with this project.
- (k) The Contractor shall make all efforts necessary in order to ensure that the dust and debris is confined to the area where the work is taking place.
- (l) The Contractor shall be responsible for removing and disposing of all materials which are schedule to be removed and any demolition debris. HWEA shall determine if any of the materials are salvageable and if so, shall be delivered to HWEA for warehousing.
- (m) Contractor shall be responsible for returning the area disturbed by the construction to as near existing condition as possible. All work shall meet HWEA's standards.
- (n) The Contractor shall make all efforts necessary in order to ensure that sewage does not overflow any HWEA manholes, lift stations or backup any HWEA customers.
- (o) Prior to excavation, the Contractor shall contact Kentucky BUD (811), the Tennessee One Call and any other applicable utility agency which may have underground utilities on, or contiguous to, the project site. Note that Kentucky BUD requires a 48-hour notice and the Tennessee One Call requires a 72-hour notice.
- (p) The Contractor shall excavate (by hand within 6" of the utility) and locate, for physical reference, under the supervision of the service person from the respective utility, any existing utility that crosses or is adjacent to the pipeline construction. The Contractor will be responsible for contacting the respective utilities 72-hours prior to excavation to develop a timely and coordinated utility location plan. Utility agencies not wishing to witness the excavation will need to state so in a written waiver and provide such to the Contractor. The Contractor shall provide the Owner with a copy of the utility location plan accompanied by any utility agency waivers 48-hours prior to location. No payment allowed for search or exploration for existing utilities. The Contractor shall make all efforts to avoid damage to any underground utilities.

- (q) Contractor shall furnish, install, maintain and remove necessary traffic signs, barricades, lights, signals, cones, pavement markings and other traffic control devices. Perform traffic control in accordance with the City of Crofton, KYTC, HWEA Safety Protocols and OSHA Regulations for Construction Projects.
- (r) HWEA will not furnish any construction materials for the project.
- (s) The drawing / details which have been included in the Specification should be considered approximate. The Contractor shall make any necessary field measurements in order to ensure that work is properly completed.
- (t) The attached Rehabilitation Plan and Specification Documents should be used as guidance for product acceptability and applicability.
- (u) HWEA will provide judgment concerning any discrepancies between the construction plans, the standard construction details or any other component of the work.
- (v) All work shall be completed to HWEA's satisfaction. All methods and installation shall be coordinated with HWEA to ensure a timely and professional job.
- (w) No part of work shall be subcontracted out without written permission from HWEA. If approved, a list of all subcontractors shall be provided to HWEA.

2. INFORMATION TO BE FURNISHED BY BIDDER

- (a) Contractor bidding on the work shall give evidence of their experience in the class of work involved, including at least five jobs of comparable size and type performed by as general contractors.
- (b) A copy of manufacturer's warranty and complete descriptive literature to include operation, installation and maintenance instructions.
- (c) A copy of contractor's Certificate of Insurance which names HWEA as a certificate holder insured in the amounts listed below:

<b>Worker's Compensation</b>	Statutory
<b>Employer's Liability</b>	
Bodily Injury by Accident	\$500,000 Each Accident
Bodily Injury by Disease	\$500,000 Each Employee
Bodily Injury by Disease	\$500,000 Policy Limit
<b>Automotive Liability</b>	
Bodily Injury & Property Damage	\$1,000,000 Each Accident
<b>Commercial General Liability</b>	
Bodily Injury & Property Damage	\$1,000,000 Per Occurrence
Bodily Injury & Property Damage	\$2,000,000 Aggregate
<b>Commercial Umbrella</b>	\$5,000,000 Per Occurrence

Failure to provide any of the above information could result in dismissal of bid.

3. HWEA SUPPLIED SERVICES

- (a) HWEA will provide Resident Inspection / Observation during construction.
- (b) HWEA will be responsible for Shop Drawing review and approval.

4. SITE VISIT

- (a) Site Visit is not required before submission of bid.

5. EXCEPTIONS

- (a) Major exceptions to these specifications or failure to submit requested information may be considered cause for rejection of the bid.

DETAILED SPECIFICATIONS

The following are minimum specifications for;

FY 2021 - 2022  
Sealed Bid # 2122-04  
Rehabilitate KY 800 East Sewer Pumping Station

BIDDER SPECIFICATIONS

Bidder is requested to indicate either by writing "Comply" or "Exceptions" whether his product meets the minimum specifications as listed on this opposite side. If "Exception" is written, please indicate in the space providing the deviation or include a detailed "EXCEPTIONS PAGE" with the bid packet.

**ANY AND ALL BIDS WHICH ARE RETURNED MUST HAVE THE FOLLOWING PAGES COMPLETED AND RETURNED OR BID MAY NOT BE CONSIDERED.**

## **DETAILED SPECIFICATIONS**

The work shall include the following tasks. These tasks are included as a general description of the work to be completed and are not meant to be all-inclusive. A complete project shall be defined as the installation of any and all construction materials and work that is necessary in order that the appurtenances' function or operate in the intended manner.

HWEA's Standards Manual is incorporated into this bid packet as the technical specifications for this project. A digital copy (PDF) of the HWEA Standards Manual is available upon request from the HWEA's Engineering Department.

### **SEWER PUMPING STATION REHABILITATION**

<b>DESCRIPTION</b>	<b>COMPLY</b>	<b>EXCEPTION</b>
Shall comply with all specifications listed under General Specifications		
PVC gravity sewer pipe, 4" through 15" diameter, shall be type PSM Polyvinyl Chloride (PVC) Sewer Pipe as specified per ASTM D 3034		
Ductile iron pipe, 4" through 15" diameter, shall comply with the provisions of ANSI / ASTM A746		
Ductile iron pipe and fittings shall have bituminous coating on outside according to ANSI / AWWA C151 / A21.51-81 for pipe and ANSI / AWWA C110 / A21.10-82 for fittings		
Ductile iron pipe and fittings shall be cement mortar lined with a seal coat according to ANSI / AWWA C104 / A21.4-80		
Pipe crossings of all proposed and / or existing driving surfaces shall be backfilled with # 57 crushed stone to top of trench surface		
Crushed stone shall be mechanically compacted in 6" lifts to 95% density at optimum moisture content		
Debris, frozen material, organic material or other unstable materials shall not be used for final backfill		
Bypass pumping required to perform this work shall be the sole responsibility of the Contractor. Bypass pumping is not a separate pay item		
Contractor to install pumps, install electrical components and install control panels per the Manufacturer's instructions		
All anchor bolts and hardware shall be 304 stainless steel		

## SEWER PUMPING STATION REHABILITATION CONT.

DESCRIPTION	COMPLY	EXCEPTION
All wall penetrations of new piping shall be made with GPT Link Seal wall penetration seals		
The wet well and the valve vault shall be clean and free of debris, dirt and water at the time of final inspection		
Discharge piping in the wet well and valve vault shall be flanged ductile iron - pressure class 350		
The proposed 4" drain from the proposed valve vault to the existing wet well shall be DI pipe		
The Contractor shall furnish and install a 4" DI MJ gate valve in the mid-point of the pipe		
The drain shall have 6" of fall from the proposed valve vault to the existing wet well		
The Contractor will be required to replace the security fence and 12' double hinged swing gates in the exact location of the existing fence		
All areas within the perimeter of the proposed security fences shall receive 6" of DGA, compacted in place, rock shall extend 1' beyond the fence perimeter		
The "drive approach" from the proposed 12' gate to the existing paving section shall receive 6" of DGA at locations per HWEA		
The Contractor shall furnish and install direct taps on each discharge pipe in the valve vault		
Each assembly shall also include brass piping, a brass ball valve, a stainless steel quick connect and a liquid filled pressure gauge		
The Contractor shall furnish and install explosion proof soft starts with level controller, transducer with PVC and backup floats (in separate conduits) in the electrical control panel		
Pump cable junction boxes shall be located underneath the electrical control panel for easy access		
The interior piping in the wet well and the valve vault shall be coated with 3M Scotchkote Liquid Epoxy 323		
All grout used on the project shall be non-shrink grout		
The Contractor shall verify the sizes of the proposed access hatch in the wet well to confirm there is adequate clearance to install and remove the sewage pumps		

## SEWER PUMPING STATION REHABILITATION CONT.

DESCRIPTION	COMPLY	EXCEPTION
No "meg-a-lug" fittings will be allowed in the wet well		
All DI pipe in the wet well and valve vault shall be flanged fittings		
The Contractor shall verify the sizes of the proposed access hatch in the wet well to confirm there is adequate clearance to install and remove the sewage pumps		
Gate valves shall be manufactured by Mueller		
Wet well lining system has to Spectra-shield, OBIC or approved equal, must be pre-approved before installation		
The Contractor will be required to furnish and install a "line stop" in the existing sewer force main to prevent return flow		
The Contractor will be required to furnish and install all equipment and construction materials to bypass the waste water flows for the duration of the rehabilitation project		

## WARRANTY

DESCRIPTION	COMPLY	EXCEPTION
All material provided by the Contractor under this contract shall be warranted for a period of one (1) year from date of final certificate of payment		
The Contractor will be required to sign a Warranty for their workmanship performed under this Contract warranting said work for a period of one (1) year		



## RECEIPT OF BID PACKET

FY 2021 - 2022  
Sealed Bid # 2122-04  
Rehabilitate KY 800 East Sewer Pumping Station

I hereby acknowledge receipt of the subject bid packet.

---

Company Authorized Signature

---

Date





## BID FORM

FY 2021 - 2022  
Sealed Bid # 2122-04  
Rehabilitate KY 800 East Sewer Pumping Station

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

<u>DESCRIPTION</u>	<u>BIDDER DESCRIPTION</u>	<u>TOTAL COST</u>
Total Price of Proposed Rehabilitation	_____	\$ _____

I, the undersigned, do hereby certify that I am a duly authorized representative of \_\_\_\_\_ located at \_\_\_\_\_ and I have carefully examined the Invitation to Bid, General Conditions, Specifications and Bid Form and agree to all terms and conditions as set forth therein.

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 2021

\_\_\_\_\_  
NOTARY PUBLIC  
My Commission Expires: \_\_\_\_\_