PHENIX CITY Alabama

UTILITIES DEPARTMENT

Physical Address: 1119 Broad Street Phenix City, AL 36867 | Mailing Address: P.O. Box 760 Phenix City, AL 36868 | Ph: 334-448-2880 | Fx: 334-291-4742 | phenixcityal.us

BID FORM

THIS IS AN INQUIRY - NOT AN ORDER

Date: 07/13/23 **Bids Close On:** 08/09/23 **Time:** 10:00 A.M. EST

Bids to be delivered to: ***Finance Department, City of Phenix City, Alabama, 601 12th Street, Second Floor, Phenix City, Alabama 36867***

Please quote us prices on the articles or services listed below. The right is reserved to accept or reject all or any part of your offer, and to accept the offer the City Council considers the most advantageous to the City. Any suggestions as to quantity to secure a better price are welcome.

Item No.	Quantity	Item	Unit Price	Total
		Please see attached documents		

BIDS MUST BE RETURNED IN A SEALED ENVELOPE TO THE ADDRESS ABOVE. MARKED: **UT2023-3 #Insertion Type Valve (16" Inserta Valve)**

IF YOU MAIL YOUR BID BY FED EX OR AIRBORNE, ETC., PLEASE WRITE ON THE ENVELOPE ALSO: **UT2023-3 #Insertion Type Valve (16" Inserta Valve** . NO BIDS WILL BE ACCEPTED AFTER **9:30 a.m.** , ON THE BID OPENING DATE. PLEASE NOTE THAT THE TIME IS EASTERN (GEORGIA). BIDS WILL BE OPENED IN THE MARTIN IDLE HOUR PARK COMMUNITY CENTER LOCATED AT 3743 MOON LAKE DRIVE, PHENIX CITY, ALABAMA.

FOR ADDITIONAL INFORMATION, CALL: Utilities Department (334) 448-2880 .

GENERAL CONDITIONS OF BIDDING - READ CAREFULLY

1. Quote on alternates if unable to furnish items listed. State on face of bid exactly what you are furnishing. (Brand or Manufacturer's Name).
2. Any catalog, or manufacturer's reference in this proposal is descriptive, but not restrictive, and is used only to indicate type and grade.
3. Furnish specifications on all items bid.
4. The City of Phenix City is exempt from all Federal Excise Taxes. DO NOT include tax in your bid price or invoice.
5. PRICE MUST BE ITEMIZED. The City of Phenix City reserves the right to award item or total bid.
6. Due to legal requirements of the City for processing payments, cash discounts should be quoted ten days after end of month, when possible.
7. In the event no bid is to be submitted note same on invitation and return with the general provisions included herein. Also advise whether future invitations for type of supplies or services covered by the inquiry are desired.
8. The successful bidder will be required to have all applicable state and city business licenses.
9. This original request for proposal, along with any attachments, **MUST BE SUBMITTED IN DUPLICATE.**
10. A bid bond or cashier's check in the amount of $1,000 must be submitted with all bids

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PUBLIC NOTICE
BID NUMBER UT2023-3
"INSERTION TYPE VALVE (16" INSERTA VALVE)
PHENIX CITY, ALABAMA

The City of Phenix City will receive sealed bids at 601 12th Street, 2nd floor, for Bid UT2023-3 #Insertion Type Valve (16" Inserta Valve) until 9:30 A.M. EST on August 9, 2023 and the official bid opening will be at **10:00 A.M. EST, August 9, 2023** at Phenix City Council Chambers at Public Safety Building, 1111 Broad Street, Phenix City, Alabama. Copies of the bid form can be obtained by requesting bid number UT2023-3 at the Phenix City Utilities Department, 1119 Broad Street, Phenix City, Alabama. For additional information contact Charles Woody or John Spraggins, Utilities Department at (334) 448-2880.

City of Phenix City
Specifications for Bid# UT2023-03
Insertion Type Valve

The Contractor shall provide equipment and labor capable of installation of an insertion valve without shutdown of flow in the pipe. The Contractor's equipment shall be capable of inserting a valve into a 16" pipe.

A. Traditional line tapping methods shall be used for the installation of all insertion valves to allow removal of a single coupon for evaluation. Reaming the pipe, complete removal of a section of pipe (top & bottom), or milling a slot in the pipe shall be prohibited.
B. All insertion valves shall have a stainless-steel body, carbon steel epoxy coated bonnet and a reinforced composite polymer valve cartridge to provide superior corrosion resistance, strength and a pressure rating that meets or exceeds the requirements of resilient seated gate valves. The insertion valve shall be stainless steel construction for corrosion resistance maximum toughness and strength.
C. All insertion valves must be capable of working on Cast/Grey Iron or Ductile Iron Class A, B, C and D, JPS, PVC, Steel and AC pipe diameters without changing either top or bottom portion of split valve body or using a transition gasket. All insertion valves must provide a solid support of the host pipe through the entire laying length of the valve body. No gaps or space between the valve body and host pipe shall be accepted.
D. All insertion valves shall be rated for 250 psig maximum working pressure. The pressure rating must be permanently marked into the body.
E. All insertion valves must be hydrostatically pressure tested to 1.25 times of the system operating pressure (minimum) or 1.5 times of the insertion valves 250 psig maximum pressure rating. The test shall be sustained for a minimum of 15 minutes. Once the pressure test is affectively achieved the insertion valve body must not be moved in accordance with AWWA standards. If the insertion valve body is moved the pressure test must be completed again. Any movement, repositioning, loosening and/ or retightening must be retested before the pipe is tapped.
F. Insertion valves shall have an EPDM molded resilient wedge seal. The resilient wedge seal will be affixed into a re-enforced nylon composite polymer valve cartridge. The entire assembly shall be inert and impervious to corrosion. The nylon composite polymer valve cartridge shall be engineered to come into contact with the interior of the host pipe and engineered sealing surface in the valve body to create a seal. The resilient wedge shall be reinforced to resist abrasion thus extending the life and quality of the shutdown edge, which contacts the host pipe.
G. Pressure equalization on the down or upstream side of the closed wedge shall not be necessary to open valve. The wedge shall be symmetrical and seal equally well with flow in either direction. The resilient wedge must ride inside a minimum of four body channels to maintain wedge alignment throughout its travel and to achieve maximum fluid control regardless of high or low flow pressure or velocity. Insertion valves shall have a full size, full port flow way that is unobstructed, and free of depressions to provide optimum flow and sealing and not trap tuberculation or debris.
H. Maximum height of the valve from the center of the host pipe to the top of the operating nut shall not exceed 40 inches for 16 inch valve.

I. Maximum laying length of the valve body shall not exceed 30 inches for 16 inch valve.
J. Maximum weight of the valve shall not exceed 865 lbs. for 16 inch valve.
K. Insertion valves shall have all stainless-steel bodies, fasteners and epoxy coated carbon steel valve bonnet. The use of epoxy coatings for protection against corrosion is deemed insufficient for any component other than the valve bonnet. Insertion valves shall utilize four O-Rings to seal between valve body to valve bonnet and valve stem. These O-rings shall be located in such a fashion as to insure the 250 psig pressure worthiness and prevent ground water and/ or foreign materials from entering the valve.
L. Insertion valves shall be NRS (non-rising stem) and operate with standard turns 3 turns per diameter inch to open and close. Insertion valves shall be operated by a 2" square wrench nut-open counter clockwise. The gate valve stem shall be made of stainless steel. The gate valve stem shall be able to withstand torque of 700 ft. lbs. of torque without compromising operation. The NRS must have an integral stem collar manufactured of no lead bronze. Two-piece stem collars are acceptable. The stem shall be affixed into the valve cartridge to maintain stem alignment, low torque and continuous operation of the valve.
M. All bonnet and valve body fastener hardware shall be stainless steel. Valve cartridge locking pins shall be made of grade 8 Zinc coated carbon steel to prevent galling with stainless steel pin plugs coated to prevent seizing. Insertion valves that require the use of external or integral split restraint devices and or restraint fasteners is prohibited.
N. Insertion valves shall be factory pressure tested and serialized for traceability before leaving the manufacturing facility to assure quality. Proof of successful factory pressure test must be made available upon customer request within three business days.
O. All moving and operating parts must be removable, repairable and or replaceable under pressure to ensure easy repair of broken or damaged parts. Insertion valves must have the ability to be converted to a line stop fitting in the field without modification

The City of Phenix City will excavate the area around the pipe at the location and will back fill when completed. The City of Phenix City will provide lifting apparatus to aid in the installation of said valve. If any more information or questions, please contact Mike Smisek, at 334-291-4757 or email msmisek@phenixcityal.us.