



COVER PAGE

Bid# 2178

Valve Insertion Equipment System – Water Department

Sealed bids and electronic submitted bids for the above will be received until **10:00 AM CST or CDT, Tuesday, April 17, 2018**, and publicly opened in the City of Alexandria Council Chambers or Council Committee Room.

Please file bid by one of the following means:

Hand-Delivered or Express Delivery:

**Attention: Donna Jones, City Clerk
City of Alexandria - City Hall
915 Third Street, First Floor
Alexandria, LA 71301
Phone: 318-449-5090**

Mailed via USPS:

**Attention: Donna Jones, City Clerk
City of Alexandria - City Hall
PO Box 71
Alexandria, LA 71309-0071**

Electronic Bid Submission: Central Bidding

Pursuant to Louisiana R.S. 38:2212 B.(6)(a) through E. (1-7) and R.S. 38:2212.1 B.(4)(a), vendors/contractors have the option to submit their bids and bid bonds electronically. Bids and bonds to be filed electronically shall be posted with **Central Bidding** at www.centrauctionhouse.com (phone 1-225-810-4814). Registration will need to be completed prior to posting of bid.

Complete bid specifications are available for viewing and downloading at the City of Alexandria's website www.cityofalexandriala.com ; on the left hand side of the opening page, go to the heading "*Business*" then drop down to "*RFP/RFQ/Bids*"; the current bids will be listed for your convenience.

| | |
|---------------------------------------|---|
| City of Alexandria Buyer Name: | <u>Christine Sims, Senior Buyer</u> |
| Phone Number: | <u>(318) 441-6183</u> |
| Fax Number: | <u>(318) 619-3414</u> |
| E-Mail Address: | <u>christine.sims@cityofalex.com</u> |



Joe C. Despino
Purchasing Manager

City of Alexandria
Purchasing Department
P.O. Box 71
Alexandria, Louisiana
71309-0071



Office: (318) 441-6180
Fax: (318) 441-6185

Sealed bids will be received until **10:00 AM, Tuesday, April 17, 2018**, and publicly opened in the Council Chambers or Council Committee Room.

City of Alexandria Bid #**2178**
Page: 1 of 14
Date Specifications Prepared: March 08, 2018

Bid Bond Requirements: A bid bond or check for N/A% of the total amount of bid.

Performance Bond Requirements: In the event bid is accepted, a performance bond shall be required in the amount of N/A%.

Please file bid with the following:

Donna Jones, City Clerk
City of Alexandria - City Hall
915 Third Street
P.O. Box 71
Alexandria, LA 71309-0071
Phone: 318-449-5090

INTRODUCTION

Valve Insertion Equipment System – Water Department

It is the intent of the City of Alexandria to secure pricing on one (1) Valve Insertion Equipment System, for use by the City of Alexandria Water Department. Unit shall be a Hydra-Stop 412IV, or equal.

All products shall be new and of current model year manufacture. Quoted prices shall be for a complete unit ready for use. Each unit shall be equipped with the manufacturer's equipment and accessories which are included as "standard" in the advertised and published literature for the unit. No such item of equipment shall be removed or omitted for the reason that it was not specified in the bid documents.

Bid prices shall remain in effect for a period of ninety (90) days from bid award date. Orders shall be for individual items on an "as needed" basis. No quantities are guaranteed.

All bid prices shall include any and all freight charges. All products are to be shipped F.O.B., freight pre-paid, to the City of Alexandria Water Department, to the attention of James Graham, 2021 Industrial Park Road, Bldg. W, Alexandria, LA 71301, phone 318-.441-6216.

Completed bid packet should be returned as issued by the City of Alexandria with ALL PAGES intact and all specification response columns filled in. Incomplete columns or missing pages, to include addendum pages, may result in the bidder's (proposer's) entire bid being rejected.

Questions and/or clarifications of bid specifications are to be in written form only, either mailed, faxed, or e-mailed to the attention of Christine Sims, City of Alexandria - Purchasing Department, P.O. Box 71, Alexandria, LA 71309-0071; Fax #318-619-3414; e-mail Christine.sims@cityofalex.com ; and must be received by close of business on Thursday, April 05, 2018.

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM**

GENERAL CONDITIONS FOR BIDDERS - PLEASE READ CAREFULLY

1. Pursuant to LA R.S 38:2212.1. C.(1)(2), any manufacturer's preference in this proposal is descriptive, but non-restrictive, and is used only to indicate minimum requirement for type, grade and quality unless otherwise specified.
2. Pursuant to LA R.S. 38:2212 B.(1), the provisions and requirement of this bid shall not be considered as informalities and shall not be waived by the City of Alexandria. Therefore, conditions and specifications on this bid form shall be strictly enforced and any and all alterations, deviations, and non-compliance to said conditions and specifications, either on the bid form or by separate attachment, shall be grounds for immediate disqualification.
3. Preference shall be given to bidders quoting F.O.B. Destination (the City of Alexandria using department), FREIGHT PREPAID, unless otherwise requested.
4. Each bidder shall submit his proposal on the proposal form furnished by the City of Alexandria Purchasing Department. The complete bid package must be returned as issued by the City with all pages intact and all specification response columns filled in. Incomplete columns or missing pages, to include addendum pages, shall result in the vendor's entire bid package being rejected.
5. Literature, brochures, and other related paperwork attached to the bid should be identified with the name of the bidder and bid item number.
6. In case of a mathematical discrepancy between unit price and extensions, the unit price shall prevail.
7. Pursuant to LA R.S. 38:2212 F., the bid specifications may contemplate a fixed escalation or de-escalation in accordance with the United States Bureau of Labor Statistic's Consumer Price Index or the Producer Price Index. Bids based on specifications which are subject to a recognized escalation index shall be legal and valid for any item of a public work, at the discretion of the City.
8. Pursuant to LA R.S. 38:2212.1. F., any public procurement unit may participate in a cooperative purchasing agreement with the City of Alexandria to acquire quantities of the above listed items under a contract with the City of Alexandria for items awarded by public bid, pursuant to the cooperative purchasing provisions of Part VII of Chapter 17 of Subtitle III of Title 39 of the Louisiana Revised Statutes of 1950, R.S. 39:1701 et seq.
9. The City of Alexandria reserves the right to award by item or by total bid, unless otherwise specified in the bid specifications. (Price(s) should be itemized.)
10. All erasures or corrections on the bid form must be initialed and the City of Alexandria may rely on the apparent authority represented by the initials.
11. The City of Alexandria reserves the right to reject for cause any and all bids or parts of bids, or accept bids most beneficial to the City.

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM**

General Conditions for Bidders - Please Read Carefully (Continued)

12. Any bid submitted which contains additions, conditional or alternate bids, or irregularities which may make the proposal incomplete, indefinite, or ambiguous as to its meaning, thus requiring clarification after the specified date and time of bid opening shall be rejected.
13. Bids shall be opened publicly in the City Council Chambers or Council Committee Room.
14. Cash discounts may be accepted, but **SHALL NOT** be considered in making award.
15. Regarding a bid for purchase of materials, supplies or services, not to include construction of any public works, a written notice of acceptance mailed or otherwise furnished to the successful bidder shall result in a binding contract without further action by either party.
16. When any bid is accepted for the construction or doing of any public works, a written contract shall be executed by and between the City of Alexandria and the Contractor. No contract shall be binding upon the City until it has been executed by the City and delivered to the successful bidder. Should the bidder to whom the contract is awarded fail to execute the contract, the award shall then be made to the next lowest responsible bidder, or re-advertised for public bid, said decision to be in the sole judgment of the City of Alexandria. This action may result in the loss of bidding privileges for a period of one (1) year.
17. The City of Alexandria shall schedule for payment the invoices for articles or services purchased under this bid within thirty (30) days after due and proper delivery accompanied by invoice.
18. The City of Alexandria is exempt from all sales taxes. A sales tax exempt form shall be furnished by the City of Alexandria Purchasing Department, if requested.
19. Bidder(s) awarded item(s) by the City of Alexandria shall be responsible for supplying all products at the awarded price(s). Failure may result in the City's cancellation of the remaining items awarded.
20. Regarding Service Contracts and Procurement Contracts, the terms of the contract shall be binding upon any and all parties involved until goods and supplies are delivered, services have been rendered, and/or work has been completed and accepted by the Mayor on behalf of the City of Alexandria and all payments required to be made to the Contractor have been made. However, a contract may be terminated under any and all of the following conditions:
 - (a) By mutual agreement and consent of either party upon thirty (30) days written notice to the other party;
 - (b) By the Mayor, on behalf of the City of Alexandria, as a consequence of the failure of the Contractor to comply with the terms and conditions of the contract or the progress or quality of work to be performed in a satisfactory manner, proper allowance being made for circumstances beyond the control of the Contractor; or
 - (c) By satisfactory completion of all services and obligations described in the contract.

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM**

General Conditions for Bidders - Please Read Carefully (Continued)

If the contract is terminated for any of the terms and conditions authorized in sub-paragraph (b) above, Contractor shall be formally notified in writing by the City of Alexandria Purchasing Department by means of certified mail informing him of cancellation of the contract, giving specific reasons for said cancellation. Contractor shall have the right to appeal to the City Council within ten (10) days from the date that said notification is placed in the U.S. Mail. Contractor's appeal shall be accomplished by means of a letter addressed to the City Council and delivered to the City Clerk, stating that an appeal to the decision of cancellation is desired. The City Council shall thereafter hold a hearing on the appeal, giving all parties the opportunity to present any and all evidence concerning the decision of cancellation. After hearing the appeal, the city Council may, by a majority vote, sustain, modify, or reverse the findings for said decision and shall provide, if requested by Contractor, a written determination of its findings.

21. Contractors submitting bids for Public Works construction projects in excess of \$1.00 must show his Contractor's License Number on the front of the bid envelope, except for certain projects for which a Contractor's License Number is not required by the State Contractor's Licensing Board. Failure to comply with this directive shall result in automatic bid rejection, furthermore, any Contractor who submits a bid for a type of construction for which he is not properly licensed shall be acting in violation of LA R.S. 37:2163, and shall be subject to all provisions for violation and penalties thereof. Contractors who are owned by, and are submitting a bid as a subsidiary of a parent company, whose name is listed in the State of Louisiana's Roster of Licensed Contractors, may do so by including a letter of proof of ownership from the parent company with the submitted bid package. The letter must be signed as per LA R.S. 38:2212 B.(5)(a)(b)(c) (see Item #22 below).

22. All bids submitted via USPS (registered or certified), overnight courier or hand delivered, shall be signed by hand and in ink by an authorized company representative per LA R.S. 38:2212 B.(5)(a)(b)(c), which states:

(c)(i) Evidence of agency, corporate, or partnership authority shall be required for submission of a bid to the division of administration or the State of Louisiana. The authority of the signature of the person submitting the bid shall be deemed sufficient and acceptable if any of the following conditions are met:

(aa) The signature on the bid is that of any corporate officer listed on the most current annual report on file with the Secretary of State, or the signature on the bid is that of any member of a partnership or partnership in commendam listed in the most current partnership records on file with the Secretary of State.

(bb) The signature on the bid is that of an authorized representative of the corporation, partnership, or other legal entity and the bid is accompanied by a corporate resolution, certification as to the corporate principle, or other documents indicating authority which are acceptable to the public entity.

(cc) The corporation, partnership, or other legal entity has filed in the appropriate records of the Secretary of State in which the public entity is located, an affidavit, resolution, or other acknowledged or authentic document indicating the names of all parties authorized to submit bids for public contracts. Such document on file with the Secretary of State shall remain in effect and shall be binding upon the principal until specifically rescinded and canceled from the records of the office.

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM**

General Conditions for Bidders - Please Read Carefully (Continued)

23. In-State preferences shall not apply to procurements involving federal funds.
24. Pursuant to LA R.S. 38:2212 O.(2)(a)(b), any modifications of plans and specifications will be made through an addendum. No addendum shall be issued within seventy-two (72) hours of the bid opening, excluding weekends and legal holidays, without the extension of the bid opening date. An extension of at least seven (7) but no more than thirty (30) working days is required but, re-advertising is not required. The addendum shall be transmitted by any one of the following methods: (1) facsimile transmission; (2) e-mail; (3) by hand; or (4) posted on the City of Alexandria's website (www.cityofalexandrialala.com) and posted on Central Bidding's website (www.centralauctionhouse.com) if applicable.
25. All Federal Transit Administration (FTA) funded procurements, including operating assistance funding contracts, are to follow the Master Agreement, to include all applicable federal clauses.
- a. Any bidder that is found listed on the Federal Government's *System for Award Management* (SAM) website, at www.sam.gov/portal/sam, under the advanced search feature for *Excluded Parties List System* (EPLS), shall automatically be rejected for the award of this bid, by Category and/or in its entirety. This applies to any portion of the bid that is a procurement funded by FTA.
26. Under the City's *AFEAT (Alexandria Fairness, Equality, Accessibility, and Teamwork Program)*, participation by minority and/or disadvantaged business enterprise firms is encouraged. Inquiries about the *AFEAT* Program should be directed to the Division of Finance. As a part of its RFP response, each Bidder ***shall*** submit documentation of its bona fide effort to secure subcontractors that meet the City's *AFEAT* goals. Each bidder ***shall*** also submit proof of engagement of any subcontractor selected because of its solicitations. The Bidder's bona fide efforts and engagement(s) are a consideration in bid review and rating.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM

Alexandria Fairness, Equality, Accessibility and Teamwork Program (AFEAT)

Dear Vendor:

Under the City's *AFEAT (Alexandria Fairness, Equality, Accessibility, and Teamwork Program)*, participation by minority and/or disadvantaged business enterprise firms is encouraged. The AFEAT Program should be inquired about through the Division of Finance. The goals for qualifying disadvantaged, minority and female owned business in the use of professional service agreements with prime contractors will help effectuate the goals of increasing: the competitive viability of small business, minority, and women business enterprise by providing contract, technical, educational, and management assistance; business ownership by small business persons, minority persons, and women (including professional service opportunities); and the procurement by the City of professional services, articles, equipment, supplies, and materials from business concerns owned by small business concerns, minority persons, and women.

Prime contractors offering subcontracting should take specific action to ensure that a bona fide effort is made to achieve maximum results towards meeting the established goals. Primes shall document efforts and shall implement steps at least as extensive as the following in a good faith effort to reach or exceed the established goals:

- A. *Establish and maintain a current list of minority and female owned businesses in Alexandria, in Rapides Parish, and in the State of Louisiana.*
- B. *Document and maintain a record of all solicitations of offers for subcontracts from minority or female construction contractor and suppliers in Alexandria, in Rapides Parish, and in the State of Louisiana.*
- C. *Secure listing of minority and women owned businesses from the City of Alexandria Purchasing Department, the Central Louisiana Business Incubator, and the State of Louisiana Department of Minority Affairs.*
- D. *Participate in associations which assist in promoting minority and women owned businesses such as the Central Louisiana Business League, the Central Louisiana Business Incubator, and the Entrepreneurial League System.*
- E. *Designate a responsible official to monitor all activity made in the effort to achieve or exceed the established goals; record contacts made, subcontracts entered into with dollar amounts, and other relevant information.*

For more information on AFEAT and the City of Alexandria's Diversity in Action Initiative, and to explore a local and statewide directory of minority businesses, please visit www.diversityinaction.org . Should you have any questions or comments, please do not hesitate to contact our Finance Department at 318-449-5091 or our Purchasing Department at 318-441-6180.

As a part of its RFP response, each Bidder ***shall*** submit documentation of its bona fide effort to secure subcontractors that meet the City's AFEAT goals. Each bidder ***shall*** also submit proof of engagement of any subcontractor selected because of its solicitations. The Bidder's bona fide efforts and engagement(s) are a consideration in bid review and rating.

Sincerely,

City of Alexandria

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM**

BID SPECIFICATIONS

SCOPE: The following bid specifications are to be used as minimum and maximum standards for **one (1) new and unused Hydra-Stop Valve Insertion System with hydraulic drive motor, additional base tapping machine, hydraulic power pack, gate valves and qik kit system**, or approved equal, for use by The City of Alexandria Water Department. All quoted products shall either meet or exceed the following specifications.

Unless otherwise stated, the use of manufacturer's name and product numbers are for descriptive purposes and to establish general quality levels only, they are not intended to be restrictive.

Prospective bidders are required to state exactly what they intend to furnish, otherwise, it is fully understood that they shall furnish all items as stated. Bidder should indicate in the space provided below, under "*Bidder's Response*:", the necessary information to indicate he/she is conforming with the bid specifications for each item as written. If Bidder is in complete compliance with each bid specification item as written, please write "Comply" in the space provided; if not, please indicate in this space, the necessary information on the product you are proposing. Each specification response is necessary to ensure the proper evaluation and tabulation of this bid. If each "*Bidder's Response*" section is not filled in or completed, your bid may be rejected.

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Bidder's Response:

1.0 General:

1.1 No bid may be withdrawn for at least thirty (30) days after the scheduled closing time for the receipt of bids. Quoted prices shall remain firm until product(s) have been accepted by the City of Alexandria as delivered.

1.2 Products shall be new, unused, and of current model year Manufacture.

1.3 All valve insertion equipment systems shall be assembled and function tested prior to shipping. Testing documentation must be provided at time of delivery.

1.4 **All products shall be delivered F.O.B., freight pre-paid,** City of Alexandria Water Department, 2021 Industrial Park Road, Building W, Alexandria, LA 71303. Successful bidder shall notify James Graham, a minimum of 24 hours prior to delivery, at 318-441-6216.

1.5 Each bidder shall furnish, attached to the bid, complete original manufacturer's descriptive literature on product being quoted. Any item(s) appearing in the manufacturer's regularly published specifications as "standard" equipment are assumed to be included in the bidder's proposal. Bidder must be prepared to demonstrate a unit similar to the one proposed, if required.

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM**

Bid Specifications (Continued)

Bidder's Response:

1.0 General

1.6 Each respective bidder shall be responsible for insuring that his/her product meets or exceeds specifications as described herein.

1.7 Prices shall be held for a minimum of ninety (90) days from award date.

2.0 Product Warranty:

2.1 Successful bidder should furnish complete warranty information for product(s) being quoted, to include all sub-contracted components installed by vendor as well as vendor warranted components.

2.2 Warranty shall be for a period of one (1) year, minimum.

3.0 Valve Insertion Equipment System:

3.1 The equipment shall be capable of the installation, without shutdown of a valve insertion, in the range of four-inch (4") diameter through twelve-inch (12") diameter.

3.2 Method of pipe entry shall be made using a carbide tipped cutter and pilot drill retaining wire to retain coupon. Reaming or milling of the pipe shall not be acceptable.

3.3 This equipment shall be rated for line pressures up to 250 PSI and allow for installation of open left (clockwise close) and open right (anti-clockwise close) valves without disturbing existing utilities in close proximity to the valve location.

3.4 The equipment shall allow for expansion to single or double sets of line stopping equipment in sizes four to twenty inches (4" to 20") without factory re-work.

3.5 The equipment shall allow for expansion to side tapping of three to twenty inches (3" to 20") with optional adapter kits.

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM**

Bid Specifications (Continued)

Bidder's Response:

3.0 Valve Insertion Equipment System:

3.6 The equipment shall also allow for expansion to valve insertion to valve insertion of sixteen inches (16") with additional adapter kit.

3.7 Equipment must include the following:

| Quantity | Description |
|----------|--|
| 1 each | Tapping (Drilling) Machine (4" – 12") |
| 1 each | Drive Motor: Hydraulic |
| 1 each | Shell Cutter: Carbide tooth (4",6",8",10",12") (5 total) |
| 1 each | Pilot Drill (4"-6", 8" & 10"-12") (3 total) |
| 1 each | Saw Mandrel (4"-8") and (10"-12") (2 total) |
| 1 each | Temporary Valve 8" & 12" (2 total) |
| 1 each | OS& Y Top With 30-inch feed screw |
| 1 each | Insertion housing 8" & 12" (2 total) |
| 1 each | 20-inch adapter housing |
| 1 each | Insertion tool (4 -8", 10 -12") (2 total) |
| 1 each | Guide Plate |
| 1 each | Blind Flange with test port 8" & 12" (2 total) |
| 1 each | Qik kit |
| 1 each | Insta Valve Insertion guide gauges (4" – 8") |
| 1 each | Insta Valve Insertion guide gauges (10" – 12") |
| 3 each | Insta Valve Patriot 250 6" Gate Valve (DI) LH Open |
| 3 each | Insta Valve Patriot 250 8" Gate Valve (DI) LH Open |

3.8 The size and weights of each Valve Insertion Equipment (4" – 12") shall be such that two (2) workman can assemble the machinery and manually transport it over a level construction site without the use of hoisting equipment.

4.0 Insertable Gate Valve

4.1 Insertion valve shall be an all stainless-steel body Resilient Wedge Gate Valve designed for permanent use in potable water, sewage, raw water, irrigation and backflow control systems. The design will allow the valve to be installed into an existing pressurized pipeline while maintaining constant pressure and service without system shutdown.

4.2 No restraining devices, restraining fasteners, or transition gaskets shall be required for the installation or operation of the valve.

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM**

Bid Specifications (Continued)

Bidder's Response:

4.0 Insertable Gate Valve

- 4.3 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.
- 4.4 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.
- 4.5 All insertion valves must be capable of working on Cast/Grey Iron or Ductile Iron Class A, B, C and D, IPS, 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.
- 4.6 All insertion valves shall be rated for 250 psig maximum working pressure. The pressure rating must be permanently marked into the body.
- 4.7 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.

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM**

Bid Specifications (Continued)

Bidder's Response:

4.0 Insertable Gate Valve

4.8 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 insert 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 this extending the life and quality of the shutdown the edge contacts the host pipe.

4.9 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.

4.10 Maximum height of the valve from the center of the host pipe to the top of the operating nut shall not exceed the following dimensions:

- 4" = 18.6"
- 6" = 21.5"
- 8" = 24.6"
- 10 = 30"
- 12 = 33"

4.11 Maximum laying length of the valve body shall exceed the following dimensions:

- 4" = 12"
- 6" = 12"
- 8" = 16"
- 10" = 24"
- 12" = 24"

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM

Bid Specifications (Continued)

Bidder's Response:

4.0 Insertable Gate Valve

4.12 Maximum weight of the valve shall not exceed the following weight:

- 4" = 138 lbs.
- 6" = 173 lbs.
- 8" = 229 lbs.
- 10" = 370 lbs.
- 12" = 425 lbs.

4.13 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-Ring's 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.

4.14 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 left or open right. 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 stem 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.

4.15 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 galling. Insertion valves that require the use of external or integral split restraint devices and or restraint fasteners is prohibited.

4.16 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.

CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM

Bid Specifications (Continued)

Bidder's Response:

4.0 Insertable Gate Valve

- 4.17 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.

End of Specifications

**CITY OF ALEXANDRIA BID SPECIFICATIONS FOR:
VALVE INSERTION EQUIPMENT SYSTEM**

BID PRICE PAGE

Bid price for a minimum of **one (1) Valve Insertion Equipment System**, new and unused, complete unit ready for use, delivered F.O.B., freight pre-paid, as per the bid specifications. The following items are to be included in the Valve Insertions Equipment System:

| <u>Quantity</u> | <u>Description</u> |
|------------------------|--|
| 1 each | Tapping (Drilling) Machine (4" – 12") |
| 1 each | Drive Motor: Hydraulic |
| 1 each | Shell Cutter: Carbide tooth (4",6",8",10",12") (5 total) |
| 1each | Pilot Drill (4"-6", 8" & 10"-12") (3 total) |
| 1 each | Saw Mandrel (4"-8") and (10"-12") (2 total) |
| 1 each | Temporary Valve 8" & 12" (2 total) |
| 1 each | OS& Y Top With 30-inch feed screw |
| 1 each | Insertion housing 8" & 12" (2 total) |
| 1 each | 20-inch adapter housing |
| 1 each | Insertion tool (4 -8", 10 -12") (2 total) |
| 1 each | Guide Plate |
| 1 each | Blind Flange with test port 8" & 12" (2 total) |
| 1 each | Qik kit |
| 1 each | Insta Valve Insertion guide gauges (4" – 8") |
| 1 each | Insta Valve Insertion guide gauges (10" – 12") |
| 3 each | Insta Valve Patriot 250 6" Gate Valve (DI) LH Open |
| 3 each | Insta Valve Patriot 250 8" Gate Valve (DI) LH Open |

Total Bid Price \$ _____

Manufacturer's Brand Name: _____ **Model No.:** _____

=====

Bidder Information:

Company Name: _____

Address: _____

City/State/Zip: _____

Telephone #: (_____) _____ Fax #: (_____) _____

Email _____

Authorized Printed Name and Title: _____

Authorized Signature: _____