

## BID OPENING DATE AND TIME

**On: June 29, 2007**

**AT: 10:30 A.M.**

<b>BID NO.</b>  <b>S8Z53450</b>	<b>PAGE</b> 1 <b>OF</b> 81	<b>INVITATION AND BID ADVERTISED</b>	<b>BIDDER MUST COMPLETE BELOW</b>								
<p>This Invitation to Bid with your quotations must be received prior to the above cited bid opening date and time.</p> <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;"><b>DEPARTMENT</b> <b>PROCUREMENT</b></td><td style="width: 50%;"><b>DIVISION</b> <b>STANDARDS</b></td></tr><tr><td colspan="2" style="text-align: center;"><b>AWARDED</b></td></tr><tr><td colspan="2"><b>DATE</b></td></tr><tr><td colspan="2"><b>FOR THE PROCUREMENT COMMISSIONER</b></td></tr></table>			<b>DEPARTMENT</b> <b>PROCUREMENT</b>	<b>DIVISION</b> <b>STANDARDS</b>	<b>AWARDED</b>		<b>DATE</b>		<b>FOR THE PROCUREMENT COMMISSIONER</b>		<p>BIDDER AGREES TO COMPLY WITH ALL CONDITIONS OF THIS BID. UNSIGNED BIDS WILL NOT BE ACCEPTED.</p>
			<b>DEPARTMENT</b> <b>PROCUREMENT</b>	<b>DIVISION</b> <b>STANDARDS</b>							
<b>AWARDED</b>											
<b>DATE</b>											
<b>FOR THE PROCUREMENT COMMISSIONER</b>											
  <b>CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT MUNICIPAL SERVICES BLDG. 1401 JFK BLVD, ROOM 170A PHILADELPHIA, PA 19102-1685</b>			<b>NAME AND ADDRESS OF FIRM</b>								
			<b>Federal EIN/Social Security Number</b>								
			<b>BUYER: R. Saylor P. Robertson</b>								

**TITLE OF BID** **Sleeves & Valves**

### GENERAL INFORMATION

This Invitation to Bid is issued under the Anti-Discrimination Policy described in the Mayor's Executive Order 02-05.

While there are no Participation Ranges projected for this Bid, bidders are prohibited from discriminating in their selection of subcontractors and are encouraged to solicit quotes from businesses on an equitable basis with other firms.

For informational purposes only, please describe any such commitments on a separate sheet and identify the subcontractor's name, MBEC Certification Number, and dollar amount/ percentage of work.

### BID QUESTIONS

All questions concerning this Invitation to Bid, including specifications and conditions, must be presented prior to the bid opening date and time. Contact the Procurement Department, Public Information Center by calling (215) 686-4721, 686-4720, or 686-4719 with questions.

### BID SECURITY

When applicable, **BIDDERS MUST SUBMIT BID SECURITY.**

### BID SIGNATURE

**BIDDERS MUST SIGN  
PAGE 8 OF THE  
"TERMS AND CONDITIONS".**

*For City Use Only*

<b>BID SECURITY</b> See Conditions of Bidding	<b>MASTER BID SECURITY</b>		<b>CERTIFIED CHECK SUBMITTED WITH BID</b>	
	<input type="checkbox"/> <b>YES</b>	<input type="checkbox"/> <b>NO</b>	<b>AMOUNT</b>	<b>CHECK NUMBER</b>

**VOLUNTARY PARTICIPATION AND COMMITMENT FORM (BID)**

Please list any MBEC Certified and SBA vendors that will participate in this bid, including the Primary Bidder.

*Minority (MBE), Women (WBE), and Disabled (DSBE) Owned Business Enterprises<sup>1</sup>*

<b>Bid Number</b>		<b>Name of Bidder</b>			
<b>Primary Bidder</b>	<b>MBE</b> <input type="checkbox"/>	<b>WBE</b> <input type="checkbox"/>	<b>DSBE</b> <input type="checkbox"/>	<b>N/A</b> <input type="checkbox"/>	<b>SBA</b> <input type="checkbox"/>
<b>Federal Tax Identification #</b>					
<b>Amount Committed</b>		<b>Type of Work or Materials</b>			
Dollar Amount	\$				
Percent of Total Bid	%				
<b>Sub Contractor</b>	<b>MBE</b> <input type="checkbox"/>	<b>WBE</b> <input type="checkbox"/>	<b>DSBE</b> <input type="checkbox"/>		
<b>Vendor Name</b>					
<b>Federal Tax Identification #</b>					
<b>Amount Committed</b>		<b>Type of Work or Materials</b>			
Dollar Amount	\$				
Percent of Total Bid	%				
<b>Sub Contractor</b>	<b>MBE</b> <input type="checkbox"/>	<b>WBE</b> <input type="checkbox"/>	<b>DS-DBE</b> <input type="checkbox"/>		
<b>Vendor Name</b>					
<b>Federal Tax Identification #</b>					
<b>Amount Committed</b>		<b>Type of Work or Materials</b>			
Dollar Amount	\$				
Percent of Total Bid	%				
<b>Sub Contractor</b>	<b>MBE</b> <input type="checkbox"/>	<b>WBE</b> <input type="checkbox"/>	<b>DSBE</b> <input type="checkbox"/>		
<b>Vendor Name</b>					
<b>Federal Tax Identification #</b>					
<b>Amount Committed</b>		<b>Type of Work or Materials</b>			
Dollar Amount	\$				
Percent of Total Bid	%				

REVISED 4-2007

<sup>1</sup> MBE/WBE/DSBES listed above **MUST** be certified by the MBEC prior to Bid Opening Date.

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**SECTION 1: GENERAL BID SUBMISSION**

1.1 **TITLE: Sleeves & Valves**

1.2 **SCHEDULE NO: 573**

1.3 **CONTRACT TERM:** 7/1/07 to 6/30/08 (“Initial Term”), with an option to renew for up to three (3) additional one (1) year periods, (“the Renewal Term”) exercisable, at the City’s sole discretion, as of the expiration of the Initial Term or then current Renewal term. The City may, at its sole discretion, renew the contract for up to three (3) months at the beginning of each renewal period(s) (the “Additional Performance Period”), if a decision has been made not to renew the contract for an entire year.

1.3.1 The City shall exercise such sole option to renew the Contract Term by issuing a letter (the “Renewal Notice”) notifying the Contractor that the Contract is renewed for the Renewal Term or Additional Performance Period (identified by commencement and termination dates) that is specified in the Renewal Notice. The Contract shall be deemed to be renewed for such Renewal Term or Additional Performance Period, and Contractor shall be obligated to perform all terms and conditions of the Contract throughout such Renewal Term or Additional Performance Period, as of the effective date indicated on the City’s Renewal Notice, whether or not Contractor has agreed, verbally or in writing, to such renewal of the Contract term.

1.3.2 If an individual Performance Bond and/or Payment Bond is required under this Invitation and Bid, such bond(s) shall be and remain in full force and effect throughout the Initial Term, all Renewal Terms, any Additional Performance Period, and the period of any unexpired warranty provided or required under the Contract, without notice of Contract renewal by the City to the surety or the consent of the surety thereto. It is the sole responsibility of the Contractor to ensure that such bond(s) remain in full force and effect as provided in this Section, and failure to do so shall be an event of default pursuant to Section 16, Default, of the attached Terms and Conditions of Bidding And Contract.

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If participation in the City's Master Performance Security Program is required under this Invitation and Bid, Contractor shall pay the required annual fee for such participation for each Renewal Term upon the issuance of the Renewal Notice.

**1.4 CONTRACT TYPE: REQUIREMENTS**

1.4.1 The following *items* are required in the *operation* of the City's Water Department as ordered. Exact quantities cannot now be determined but estimates thereof are listed herein. Quantities listed may be increased or decreased to meet the requirements of the City during the period of this contract. A minimum is not guaranteed. Purchase orders issued as a result of this bid will be for *materials* to be *delivered* generally on an as-needed basis. Successful bidders are cautioned not to *deliver* any *materials* without first being advised to do so by the ordering agency.

1.4.2 It is the intent of the Procurement Department to make an award for the period as stated above subject to the appropriation of funds in succeeding fiscal year/years by City Council. The City's fiscal year is from July 1st to June 30th inclusive.

*Commodities* on the bid to be ordered after the end of the fiscal year are subject to the issuance of purchase orders for the following fiscal years. The City is not liable for the award involving following fiscal years' funds until such orders are issued.

The successful bidder(s) obligation to deliver on such purchase orders shall not take effect until the orders are issued. To simplify the contract procedure, however, the successful bidder will be required to furnish a Performance Bond or Performance Security Fee to cover units awarded to him.

**1.5 METHODOLOGY OF ACQUISITION: PURCHASE** only.

**1.6 STATEMENT OF DIRECTION:**

It is the intent of the City of Philadelphia to make an award for **Sleeves & Valves** for the City of Philadelphia's Water Department as specified herein during the contract period.

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## 1.7 BID SECURITY

- 1.7.1 **For the purpose of this bid, Paragraph 8 of the “Terms and Conditions of Bidding and Contract” is deleted. The bid must be accompanied by a Bid Bond in the amount of TEN PERCENT (10%) of the gross amount of the bid for the initial term of the contract 7/1/07 thru 6/30/08. All bidders must utilize the City’s standard Bid Bond form, which is included in this bid package, Attachment “A”, in fulfilling the above requirement. No other Bid Bond form is acceptable. Cash is not acceptable.**

## 1.8 BID INFORMATION:

- 1.8.1 All information concerning this bid will be contained in this bid document as issued or amended.
- 1.8.2 Information provided verbally by any City official shall not be binding or relevant.
- 1.8.3 Specifications and Drawings may be obtained from the Information Center, (215) 686-4755/56 Procurement Department, Room 170B, Municipal Services Building, 1401 J.F. K. Boulevard during the hours of 8:30 A.M. to 5:00 P.M., Monday through Friday. Potential bidders must state bid number and opening date to receive copies of the specifications and drawings. For further information, you may call the Public Information Unit at (215) 686-4720/21.

## 1.9 BID SUBMISSION:

- 1.9.1 Bid information must be submitted to the City of Philadelphia no later than the time and date for the bid opening.
- 1.9.2 Advertised sealed bids will be received and read publicly at 10:30 AM in Room #170A, 1<sup>st</sup> Floor, Municipal Services Building, 1401 JFK Boulevard.
- 1.9.3 Bid should be complete and include ALL information required as described in the various paragraphs of the bid specifications.
- 1.9.4 All pricing must be completed on the forms provided; be complete; and be in ink or typed.

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1.9.5 Bid must be complete as to required bid signatures and corporate seal, and must fully accept the terms and conditions contained in this bid. A bid submitted with counter terms and conditions will be disqualified.

1.9.6 Delivery unattainable Parts (see para. 4.2.7). Bidders shall submit to the Procurement Department Buyer, a list of parts that cannot be obtained and delivered within the ninety (90) day delivery time frame. This list MUST be submitted with this Invitation and Bid.

1.9.7 **BID PROCESSING FEE**

All bids submitted where the bid total is greater than \$25,000 shall be accompanied by the proper Bid Processing Fee. The fee shall be in the form of a separate check or money order in accordance with Paragraph 17 of the “Terms and Conditions of Bidding and Contract.”

1.9.8 When M-BE, W-BE or DS-BE ranges are required on an Invitation and Bid, bidders are reminded that the submission of a blank “Minority Business Enterprise Council Solicitation and Commitment Form” will be deemed non-responsive and ineligible for an award. Bidders are reminded to read carefully and entirely the “Bidder’s Guidelines relating to Executive Order 02-05”.

OR

If no M-BE, W-BE or DS-BE ranges are established for this Invitation and Bid, bidders are requested to complete the “Voluntary Participation and Commitment Form (Bid)” located after page 1 of the bid.

Completion of this form will not, in any way, impact the City’s determination concerning bidder’s responsiveness to the requirements of the bid and the award process. The information provided in the “Voluntary Participation and Commitment Form (Bid)” will be for the City’s information.

1.9.9 **LBE Certification**

In accordance with the City of Philadelphia's Regulations Relating to Local Bidding Preferences for Procurement Contracts, this bid may be subject to a 5% local bid preference. **In order to determine eligibility to receive the 5% preference, if applicable, bidder must submit with their bid, the Local Business Entity Certification number\* as issued by the Procurement Department for the prime contractor or the applicable subcontractor.**

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Further, by submission of this bid, bidder makes the following certification in connection with the grant of any local bidding preference:

“I certify, that if awarded this contract on the basis of the application of the LBE preference, my company or my subcontractor, throughout the entirety of this contract, will perform the majority of the work under this contract within the geographic limits of the City of Philadelphia, and I will, or cause my subcontractor to, maintain within the City a majority of the inventory or equipment that will be used on this contract or the amount of inventory that is customary for this industry.”

LBE Certification Number(s)\_\_\_\_\_

The Procurement Commissioner reserves the right to request this information as well as any additional or clarifying information at any time prior to award of the bid.

**NOTE: If you wish to apply for Local Business Entity (LBE) certification, go to [www.phila.gov/bids](http://www.phila.gov/bids). Please provide sufficient time prior to bidding for processing of the LBE application.**

**If the 5% local bid preference is applicable, the total bid price or total section price of the certified Local Business Entity (LBE) will be multiplied by .95 and rounded to the second decimal place. The adjusted bid price of the LBE will then be used in determining the lowest responsive and responsible bidder.**

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1.9.10 **BID QUESTIONS OR PROBLEMS**

In preparing the bid response, should any bidder need clarification on the bid requirements, identify a discrepancy in the specifications, determine that a specified product has been discontinued or an alternate procedure is advised, etc.; then the bidder is **STRONGLY** encouraged to bring these issues to the attention of the Procurement Department’s Public Information Unit prior to the bid opening by calling (215) 686-4720 or 4721, or by faxing (215) 686-4716.

**Questions, whether phoned or faxed, should be received no later than seven (7) calendar days prior to the scheduled opening date of the bid. The City reserves the right to only respond to those questions submitted prior to the stated deadline.**

If it is in the City’s best interest to do so, the bid **MAY** be amended to reflect the proposed changes/modifications. **Exceptions taken DO NOT obligate the City to change the specifications. The City of Philadelphia, Procurement Department will notify all bidders in writing, by addendum duly issued, of any interpretations/changes made to specifications or instructions. The City will not accept responsibility for oral instructions, suggestions or changes by any City agency.**

Otherwise the successful bidder will have to provide the *products* exactly as defined in this bid, and in accordance with the specifications and requirements as listed in this Invitation and Bid.

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1.9.11 **CONTACT PERSON(S):**

**PRE-AWARD:**

Indicate below to whom in your firm questions concerning this Invitation and Bid should be directed:

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

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

City/State/ZC: \_\_\_\_\_

Telephone No.(\_\_\_\_)\_\_\_\_\_ Ext.:\_\_\_\_\_

Fax No.(\_\_\_\_)\_\_\_\_\_

E-mail address \_\_\_\_\_

**State Company Web Site Address:** \_\_\_\_\_

**POST-AWARD:**

Indicate below to whom in your firm questions concerning the Contract resulting from this Invitation and Bid should be directed:

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

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

City/State/ZC: \_\_\_\_\_

Telephone No.(\_\_\_\_)\_\_\_\_\_ Ext.:\_\_\_\_\_

Fax No.(\_\_\_\_)\_\_\_\_\_

E-mail address \_\_\_\_\_

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## 1.10 BIDDER QUALIFICATION:

1.10.1 For eligibility, bidders must obtain necessary QC certifications from the Philadelphia Water Department (PWD) and utilize QC2 certified foundries and maintain such throughout the duration of the contract. Bidders must have QC-10 certification to be eligible to bid on GATE VALVES. Bidders must have QC-11 certification to bid on BUTTERFLY VALVES. Any bidders not currently QC certified should submit an application no later than **May 30, 2007**. To apply for certification the bidders must complete the PWD application process. See "Schedule for Submission Exhibit "B" for submittal instructions. All applications, both QC certification for the bidders and QC for any new foundries, will be fully evaluated and either qualified or disqualified no later than **June 15, 2007**.

1.10.2 The QC application process is a thorough review of the bidder's quality assurance program (QA) and quality control procedures (QC). At minimum the PWD will review:

- Bidders' selection criteria for suppliers. The bidders' means of differentiating the reliability of various suppliers to deliver a particular part of a required quality on a consistent basis. The bidders' selection of suppliers based on quality versus price.
- Bidders' quality control procedures
  1. Tool & Die operation
    - a) Schedules for calibrating equipment
    - b) Frequency for periodic testing of Materials and products
    - c) Standard operating procedures
    - d) Labor force by position and required skill level
    - e) Workstations by equipment and required floor space

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2. Valve Assembly and Testing.

- Bidders' document management system
  1. Operational records for equipment
  2. Recorded valve inspections and testing by casting lot number
  3. Recorded shipment dates with cross-references to valve casting lot numbers and serial numbers of shipping containers
  4. Ability to trace products and materials to their original supplier
- Bidders' source for iron cast parts. To be eligible, the foundries must be QC-2 certified by PWD. The PWD has approved the following foundries as being QC2 certified:
  - Donsco, Hamburg, Benton, Kulp, U.S. Pipe, East Jordan, Neenah, Vulcan
  - Bidders' machine shop
  - Bidders' valve assembly and testing shop

1.10.3 All bidders must be a bona fide manufacturer of, or dealer in, the products specified within the bid. To demonstrate this, bidders should submit the following reference information with their bid. References provided should be pertinent to the commodity requested in this Invitation and Bid and demonstrate the bidder's ability to perform on a contract of this size and scope.

Please note that reference information in each section must be completed. Failure to submit this information may result in the bidder's disqualification.

1.10.4 Bidders who have not previously supplied the City with the products as referenced in Section 2 below are to follow the qualification requirements as referenced in the Water Department Specifications W-15/19 and W-16/19.

1.10.5 Please note, if a supplier doesn't have a satisfactory QC program in place, it is unlikely they will be certified in eight (8) weeks.

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**SECTION 1:**

Customer References other than an employee or department of the City of Philadelphia, (excluding suppliers or financial institutions).

	A.	B.	C
Firm Name:	_____	_____	_____
Address:	_____	_____	_____
Contact:	_____	_____	_____
Phone #:	_____	_____	_____
Type Work:	_____	_____	_____
Years dealing w/your firm:	_____	_____	_____

**SECTION 2:**

Previous purchase order(s)/contract(s) with the City; (State "None" if applicable)

P.O./Contract Number:	_____	_____	_____
Department:	_____	_____	_____
Contact Name:	_____	_____	_____
Phone #:	_____	_____	_____
Item(s):	_____	_____	_____

**NOTE: Do not provide the name and phone number of a Procurement Department Buyer in this section. Contact name(s) and phone number(s) must be from a City ordering department.**

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## **SECTION 2: GENERAL REQUIREMENTS**

- 2.1 The items provided must comply with the Water Department Specifications and drawings listed for each item.
- 2.2 Bidders shall submit in Section 5 a firm price for each item listed.
- 2.3 Prices bid and awarded must be held firm for the Initial Term of the Contract, plus the first Renewal Term, if exercised by the City period. (See para. 4.2.10 for price increase instructions)
- 2.4 **Warranty:**  
Successful bidder shall guarantee all products supplied for a period of one (1) year from the date of installation. During this period, the successful bidder shall provide all necessary replacement at no cost to the City.
- 2.5 **Delivery:** Products shall be delivered within ninety (90) days after receipt of order (see paragraph 1.9.6)

## **SECTION 3: BID EVALUATION AND AWARD**

### **3.1 EVALUATION:**

- 3.1.1 Bids will be evaluated by the Procurement Department.
- 3.1.2 Bids will be evaluated for responsiveness to the bid specifications and for responsibility of the bidders.
- 3.1.3 Bids which are determined to be non-responsive for reasons of:
- (i) improper bid security
  - (ii) improper bid execution
  - (iii) incompleteness
  - (iv) offering counter terms and conditions
  - (v) improper or incomplete execution of MBEC documents (if applicable)

may be disqualified by the City without notice to the bidder. The decision of the City is final.

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3.1.4 Bidders whose bids are determined to be non-responsible for reasons of bidder qualification shall be notified by the City of the reasons for the determination and may contest the finding of non-responsibility through the prescribed procedures described in paragraph 12 of “Terms and Conditions of Bidding and Contract”.

**3.2 AWARD:**

3.2.1 This bid may be awarded as a whole or by group to the lowest responsive and responsible bidder(s).

3.2.2 Bidders must bid all items within a group to be eligible for award.

- (i) Group 3  
**Standard Pressure Gate Valve Parts 3"-12"**  
(items 5.1.1 to 5.1.24)
- (ii) Group 6  
**Standard Pressure Gate Valve Parts 16"-48"**  
(items 5.6.1 to 5.6.31)
- (iii) Group 10  
**Butterfly Valves**  
Philadelphia Standard (items 5.10.1 to 5.10.13)  
Industry Standard (items 5.10.14 to 5.10.33)
- (iv) Group 13  
**Other Valves**  
(items 5.13.1 to 5.13.26)
- (v) Group 14  
**Valve Boxes**  
(items 5.14.1 to 5.14.15)
- (vi) Group 15  
**Tapping Sleeves**  
(items 5.6.1.1 to 5.6.3.15)

3.2.3 Awarded vendors will provide a prototype of certain components that they have not previously supplied to the City for approval no later than two (2) months

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after the award. The prototype must be approved as being in compliance with the specifications and drawings prior to the initial shipment. Failure to obtain the City's approval prior to delivery date will result in the cancellation of the contract and assessment of damages (see para. 4.2.7.1).

### 3.3 **LBE CALCULATION**

If the 5 % local bid preference is applicable, the total bid price of the certified Local Business Entity (LBE) will be multiplied by .95 and rounded to the second decimal place. The adjusted bid price of the LBE will then be used in determining the lowest responsive and responsible bidder. If the bid is awarded as a whole, the 5% local bid preference is applicable. If the bid is awarded by line item, the 5% local bid preference is not applicable.

### 3.4 **PERFORMANCE SECURITY**

If the total award amount exceeds \$500,000, the Master Performance Security does not apply. Upon notification of award, the City will require the successful vendor to provide an individual Performance Bond in the amount of 100% of the contract award as specified in the Letter of Award. For any subsequent renewal periods, sections 1.3.1 and 1.3.2 shall apply.

### 3.5 **INSURANCE:**

Insurance is a requirement for this bid in accordance with Paragraph 14 of the "Terms and Conditions of Bidding and Contract". No contract will be executed nor purchase order issued unless and until all required insurance certificates, in the required amount, are received. **All insurance MUST meet the following requirements:**

- Insured must be in the same name and address as the Bidder
- The insurance carrier must be rated "A" or better by AM Best
- The certificate holder must be the City of Philadelphia, and specifically named as an additional insured on the certificate in the "Description of Operations section".
- Certificate must be signed by an authorized representative of the insurance company/carrier

All certificates are to be sent to the Office of Risk Management, One Parkway, 1515 Arch Street, 14<sup>th</sup> Floor, Philadelphia, PA 19102, Attn. Debbie Lawton or FAX to (215) 683-1705.

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## **SECTION 4: CONTRACT MANAGEMENT**

### **4.1 CITY OF PHILADELPHIA RESPONSIBILITY:**

4.1.1 Subsequent to contract conformance of a Requirements bid, purchase orders will be issued at such time that the product is needed. Such purchase orders will show if delivery is to be made upon receipt of order, or only after notification by the using department.

4.1.2 The Water Department is responsible for monitoring the products delivered as described in the contract. If any problems arise, a letter should be sent to the vendor requesting resolution by a specified date. A copy should be sent to the buyer. If vendor does not resolve the breach of contract by the requested date the matter should be turned over to the buyer.

#### **4.1.3 MATERIALS TESTING:**

The City of Philadelphia, may, during the life of this contract, supply a delivered product from this contract to the Materials Testing Laboratory. These products shall be tested to ensure conformance with bid specifications. If product fails, or is different from product supplied at award stage, rejection procedures may be implemented.

#### **4.1.4 ADD-ONS:**

The City reserves the right to add or delete or change locations or to acquire other types of sleeves, valves, etc. that the vendor can supply that are similar to, but not specifically called for, in this bid. The procedure for such acquisitions shall be as follows:

Procurement or the Water Department will obtain from the vendor a letter of verification (on his/her letterhead) detailing the items and pricing to be added. The letter shall include the bid number, bid schedule number and contract period and upon receipt and approval by the Procurement Department shall be made a part of the basic contract.

4.1.5 Invoices shall be submitted after delivery shall be processed for payment by Finance **twice per month for each purchase order** after acceptance of the product by the Water Department. The City attempts to process invoices in a timely manner.

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Please make sure that invoices contain the information as specified in Section 4.2.8. This is necessary to process payments as quickly as possible.

## 4.2 **VENDOR RESPONSIBILITY**

- 4.2.1 Contractor may deliver only products as authorized in the contract and only after receipt of a purchase order or other authorized document from the Procurement Department. All orders must be in writing. Contractor shall not accept verbal delivery requests until after receipt of purchase order or other authorizing document from Procurement.
- 4.2.2 Contractor may deliver only products at the prices quoted in the contract and that are reflected on a purchase order or a change to a purchase order (a change to a purchase order is issued whenever the items, unit price, total amount, or terms and conditions change from the original purchase order).
- 4.2.3 Contractors may deliver products up to the dollar limit of the purchase order and for the period shown on the purchase order. Contractors are requested to carefully monitor obligations against purchase orders and inform the Water Departments of anticipated funding shortfalls.
- 4.2.4 In the event that the contractor receives an order for products not specifically priced and incorporated into the contract, they must:
- (i) bring this to the immediate attention of the Procurement Dept., and
  - (ii) notify the Water Department in writing and refuse to deliver.
- 4.2.5 Should products be delivered that are not specifically incorporated and priced in the contract, and/or be delivered without purchase order, the City shall have no obligation for payment.
- 4.2.6 For delivery of products, contractors shall honor and be paid for orders placed until the close of business of the date of purchase order expiration. Delivery of product may occur following purchase order expiration, so long as the order was placed prior to the purchase order expiration date.

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4.2.7 **DELIVERY:**

Upon receipt of purchase order and associated RELEASE FORM, the vendor has 90 days to furnish the specified items. If the 90-day delivery schedule is unattainable for any specific part or parts, those parts must have been identified on the list submitted per para. 1.9.5 above. It is essential for parts to be received within 90-days so valve maintenance and operation is not compromised. Any parts that PWD receives after the expected delivery date will be considered late.

4.2.7.1 **Liquidated Damages**

Liquidated Damages in the amount of 2½% of the unit price may be applied to each item which exceeds the delivery schedule/requirement.

4.2.8 **Invoices/Receipts**

4.2.8.1 Separate invoices shall be rendered for each delivery.

4.2.8.2 Successful bidder(s) agrees not to invoice more than twice per month.

4.2.8.3 Invoices should be sent in triplicate to the Water Department.

4.2.8.3.1 One (1) original and two (2) copies fully itemized invoices.

4.2.8.4 All invoices/receipts for materials shall have the signature and payroll ID number of the authorized/designated City personnel.

4.2.8.5 The invoice must correctly reference the purchase order number, the vendor name, address, Federal Employer Identification number, item.

4.2.8.6 The invoice must show the quantity, item identification by part/stock number, name brand, and net amount due from the City.

4.2.8.7 Packing Slips MUST show the same information as the invoice to ensure expeditious processing for payment. If this

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information is not on the invoice(s) and packing slip(s), the Water Department will return them to the successful bidder for this information, in which case your payment may be delayed.

4.2.8.8 The unit of purchase on the invoice must agree with the unit cited on the purchase order. Reference to the specific line item is helpful.

4.2.8.9 Invoices which are not in accordance with these instructions will be returned to the vendor for correction.

4.2.9 **Payments**

The City attempts to process invoices in a timely manner. Delays can occur because of incomplete or inaccurate invoicing information.

4.2.9.1 Paying the successful vendor is the responsibility of the Water Department, not the Procurement Department. The successful vendor should bring any problems concerning payments to the attention of the Water Department.

The name and number of the contact person can generally be found on the purchase order.

4.2.9.2 Checks will only be made payable to the company name as shown on the purchase order; the invoice must reflect this same company name as the “pay to”.

4.2.10 **PRICE INCREASE OR DECREASE:**

Contractor shall provide Sleeves and Valves at the prices set forth in Section 5 for the Initial Term of the Contract, plus the first Renewal Term, if exercised by the City; thereafter, delivery may be renewed under the terms and conditions of this agreement at the sole option of the City on an annual basis for up to additional two (2) one year period(s).

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Contractor may increase prices for the two (2) renewal period(s) provided that; notice of price increases must be received, in writing, by the City at least 60 days prior to the expiration of each contract period and price increase letter shall be sent to the Buyer, Room 120 Municipal Services Building, 1401 JFK Blvd., Phila., PA 19102, referencing the Bid #, Contract #, period and showing item(s), descriptions and applicable pricing.

In no event shall the increased prices exceed contractor's published charges for non-educational state and local governments on the effective date of the adjustment, under similar terms and conditions.

Failure to notify the City within this sixty (60) day time frame shall result in the following:

the effective date of the price increase shall be sixty (60) days from the receipt of the price increase letter by the City;

or

if the letter is not received before the last day of the contract period, the prices for the renewal period shall be the same as the prices for the previous contract period.

Failure to notify the City within the time frame specified above will result in a commensurate delay in implementing the price change. Example: If prices may change effective July 1, but the notice of change is not received by Procurement until June 1, then the price increase effective date will be delayed until September 1.

**4.3 BIDDER ACCEPTANCE - IN SUBMITTING AN EXECUTED BID, THE BIDDER AGREES TO THE CONTRACT MANAGEMENT PROCEDURES OUTLINED IN THIS SECTION.**

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**SECTION 5: PRICING:**

Prices quoted must not contain more than three (3) decimal places.

**BIDDERS SHALL PRICE THE FOLLOWING SLEEVES, VALVES, ASSEMBLIES, ETC.:**

Bidders must bid on all items in a section to be eligible for an award in that section.

		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.1.	<b>Group 3</b>				
	<b>STANDARD PRESSURE GATE VALVE PARTS 3" -12"</b>				
5.1.1	<b>32321 004 060 MECHANICAL JOINT FOLLOWER RINGS VALVES PER WATER DEPARTMENT SPEC. N W-16/19. 3" ANSI A21-11</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.1.2	<b>32321 004 061 MECHANICAL JOINT FOLLOWER RINGS VALVES PER WATER DEPARTMENT SPEC. N W-16/19. 4" ANSI A21-11</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.1.3	<b>32321 004 062 MECHANICAL JOINT FOLLOWER RINGS VALVES PER WATER DEPARTMENT SPEC. N W-16/19. 6" ANSI A21-11</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.1.4 <b>32321 004 063</b> <b>MECHANICAL JOINT FOLLOWER RINGS VALVES</b> PER WATER DEPARTMENT SPEC. N W-16/19. 8" ANSI A21-11	1	EA	\$ _____	\$ _____
5.1.5 <b>32321 004 064</b> <b>MECHANICAL JOINT FOLLOWER RINGS VALVES</b> PER WATER DEPARTMENT SPEC. N W-16/19. 10" ANSI A21-11	1	EA	\$ _____	\$ _____
5.1.6 <b>32321 004 065</b> <b>MECHANICAL JOINT FOLLOWER RINGS VALVES</b> PER WATER DEPARTMENT SPEC. N W-16/19. 12" ANSI A21-11	1	EA	\$ _____	\$ _____
5.1.7 <b>32321 007 000</b> <b>MECHANICAL JOINT GASKETS FOR VALVES</b> PER WATER DEPARTMENT SPEC. W-16/19. 3" SPECIFICATION ANSI A21-11	850	EA	\$ _____	\$ _____
5.1.8 <b>32321 007 001</b> <b>MECHANICAL JOINT GASKETS FOR VALVES</b> PER WATER DEPARTMENT SPEC. W-16/19. 4" SPECIFICATION ANSI A21-11	850	EA	\$ _____	\$ _____

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.1.9 <b>32321 007 002</b> <b>MECHANICAL JOINT GASKETS</b> FOR VALVES PER WATER DEPARTMENT SPEC. W-16/19. <b>6"</b> SPECIFICATION ANSI A21-11	<b>2100</b>	<b>EA</b>	\$ _____	\$ _____
5.1.10 <b>32321 007 003</b> <b>MECHANICAL JOINT GASKETS</b> FOR VALVES PER WATER DEPARTMENT SPEC. W-16/19. <b>8"</b> SPECIFICATION ANSI A21-11	<b>900</b>	<b>EA</b>	\$ _____	\$ _____
5.1.11 <b>32321 007 004</b> <b>MECHANICAL JOINT GASKETS</b> FOR VALVES PER WATER DEPARTMENT SPEC. W-16/19. <b>10"</b> SPECIFICATION ANSI A21-11	<b>420</b>	<b>EA</b>	\$ _____	\$ _____
5.1.12 <b>32321 007 005</b> <b>MECHANICAL JOINT GASKETS</b> FOR VALVES PER WATER DEPARTMENT SPEC. W-16/19. <b>12"</b> SPECIFICATION ANSI A21-11	<b>120</b>	<b>EA</b>	\$ _____	\$ _____

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.1.13	<b>332321 004 100</b> <b>SPECIAL MECHANICAL JOINT</b> <b>TYPE FOLLOWER RINGS FOR</b> <b>CUT-IN VALVES AND OVERSIZE</b> <b>JOINTS PER WATER DEPARTMENT</b> SPECIFICATION W-16/19. 6" Drawing NO.175B-290D			
	1	EA	\$ _____	\$ _____
5.1.14	<b>32321 004 101</b> <b>SPECIAL MECHANICAL JOINT</b> <b>TYPE FOLLOWER RINGS FOR</b> <b>CUT-IN VALVES AND OVERSIZE</b> <b>JOINTS PER WATER DEPARTMENT</b> SPECIFICATION W-16/19 8" Drawing NO.175B-290D			
	1	EA	\$ _____	\$ _____
5.1.15	<b>32321 004 102</b> <b>SPECIAL MECHANICAL JOINT</b> <b>TYPE FOLLOWER RINGS FOR</b> <b>CUT-IN VALVES AND OVERSIZE</b> <b>JOINTS PER WATER DEPARTMENT</b> SPECIFICATION W-16/19. 10" Drawing NO.175B-290D			
	1	EA	\$ _____	\$ _____
5.1.16	<b>32321 004 103</b> <b>SPECIAL MECHANICAL JOINT</b> <b>TYPE FOLLOWER RINGS FOR</b> <b>CUT-IN VALVES AND OVERSIZE</b> <b>JOINTS PER WATER DEPARTMENT</b> SPECIFICATION W-16/19. 12" Drawing NO.175B-290D			
	1	EA	\$ _____	\$ _____



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		<u>QTY</u>	<u>MEASURE</u>	<u>PRICE</u>	<u>AMOUNT</u>
5.1.22	<b>32321 006 025 MECHANICAL JOINT BOLTS AND NUTS PER ANSI A2111. 3/4" X 5-1/2"</b>	1	EA	\$ _____	\$ _____
5.1.23	<b>2321 011 036 3/4" x 7" T-Bolt &amp; Nut for mechanical joint</b>	1	EA	\$ _____	\$ _____
5.1.24	<b>32321 011 037 1" x 7" T-Bolt &amp; Nut for mechanical joint</b>	1	EA	\$ _____	\$ _____
5.1.25	<b>32321 002 087 4" FLG Kennedy Gate Valve OS&amp;Y, RSGV O/L 4068-04</b>	1	EA	\$ _____	\$ _____
5.1.26	<b>32321 002 088 6" FLG Kennedy Gate Valve OS&amp;Y, RSGV O/L 4068-06</b>	1	EA	\$ _____	\$ _____
5.1.27	<b>32321 002 089 8" FLG Kennedy Gate Valve OS&amp;Y, RSGV O/L 4068-08</b>	1	EA	\$ _____	\$ _____
5.1.28	<b>32321 011 038 16" FLG OS&amp;Y gate Valve, #5120 Metroseal, Open left</b>	1	EA	\$ _____	\$ _____

**SUBTOTAL** \_\_\_\_\_

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		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.2	<b>Group 6</b>				
	<b><u>Gate Valve Parts 16"-48"</u></b>				
5.2.1	<b>32321 007 009 MECHANICAL JOINT GASKETS FOR VALVES PER WATER DEPARTMENT SPECIFICATION W-16/19. 30" SPECIFICATION ANSI A21-11</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.2.2	<b>32321 007 010 MECHANICAL JOINT GASKETS FOR VALVES PER WATER DEPARTMENT SPECIFICATION W-16/19. 36" SPECIFICATION ANSI A21-11</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.2.3	<b>32321 007 011 MECHANICAL JOINT GASKETS FOR VALVES PER WATER DEPARTMENT SPECIFICATION W-16/19. 42" SPECIFICATION ANSI A21-11</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.2.4	<b>32321 007 012 MECHANICAL JOINT GASKETS FOR VALVES PER WATER DEPARTMENT SPECIFICATION W-16/19. 48" SPECIFICATION ANSI A21-11</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.2.5	<b>32321 004 066</b> <b>MECHANICAL JOINT</b> <b>FOLLOWER RINGS VALVES</b> PER WATER DEPARTMENT SPEC. N W-16/19. <b>16" ANSI A21-11</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.2.6	<b>32321 004 067</b> <b>MECHANICAL JOINT</b> <b>FOLLOWER RINGS VALVES</b> PER WATER DEPARTMENT SPEC. N W-16/19. <b>20" ANSI A21-11</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.2.7	<b>32321 004 068</b> <b>MECHANICAL JOINT</b> <b>FOLLOWER RINGS VALVES</b> PER WATER DEPARTMENT SPEC. N W-16/19. <b>24" ANSI A21-11</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.2.8	<b>32321 004 069</b> <b>MECHANICAL JOINT</b> <b>FOLLOWER RINGS VALVES</b> PER WATER DEPARTMENT SPEC. N W-16/19. <b>30" ANSI A21-11</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.2.9	<b>32321 004 070</b> <b>MECHANICAL JOINT</b> <b>FOLLOWER RINGS VALVES</b> PER WATER DEPARTMENT SPEC. N W-16/19. <b>36" ANSI A21-11</b>	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.2.10	<b>32321 004 071</b> <b>MECHANICAL JOINT</b> <b>FOLLOWER RINGS VALVES</b> PER WATER DEPARTMENT SPEC. N W-16/19. <b>42" ANSI A21-11</b>	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.2.11	<b>32321 004 072</b> <b>MECHANICAL JOINT</b> <b>FOLLOWER RINGS VALVES</b> PER WATER DEPARTMENT SPEC. N W-16/19. <b>48" ANSI A21-11</b>	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.2.12	<b>31630 001 950</b> <b>NUTS for 16" Valves</b>	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.2.13	<b>31630 001 951</b> <b>NUTS for 20" Valves</b>	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.2.14	<b>31630 001 952</b> <b>NUTS for 24" Valves</b>	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>

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5.2.15	31630 001 953 NUTS for 30" Valves	1	EA	\$ _____	\$ _____
5.2.16	31630 001 954 NUTS for 42" Valves	1	EA	\$ _____	\$ _____
5.2.17	31630 001 955 NUTS for 48" Valves	1	EA	\$ _____	\$ _____
5.2.18	31630 001 900 BOLTS for 16" Valves	1	EA	\$ _____	\$ _____
5.2.19	31630 001 901 BOLTS for 20" Valves	1	EA	\$ _____	\$ _____
5.2.20	31630 001 902 BOLTS for 24" Valves	1	EA	\$ _____	\$ _____
5.2.21	31630 001 903 BOLTS for 30" Valves	1	EA	\$ _____	\$ _____
5.2.22	31630 001 904 BOLTS for 42" Valves	1	EA	\$ _____	\$ _____
5.2.23	31630 001 905 BOLTS for 48" Valves	1	EA	\$ _____	\$ _____

<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
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5.2.24	<b>32321 006 020 MECHANICAL JOINT BOLTS AND NUTS PER ANSI A21-11 5/8" X 3"</b>	<b>5,000</b>	<b>EA</b>	\$ _____	\$ _____
5.2.25	<b>32321 006 021 MECHANICAL JOINT BOLTS AND NUTS PER ANSI A21-11 3/4" X 3-1/2"</b>	<b>6,200</b>	<b>EA</b>	\$ _____	\$ _____
5.2.26	<b>32321 006 022 MECHANICAL JOINT BOLTS AND NUTS PER ANSI A21-11 3/4" X 4"</b>	<b>4,200</b>	<b>EA</b>	\$ _____	\$ _____
5.2.27	<b>32321 006 023 MECHANICAL JOINT BOLTS AND NUTS PER ANSI A21-11 3/4" X 4-1/2"</b>	<b>2,400</b>	<b>EA</b>	\$ _____	\$ _____
5.2.28	<b>32321 006 024 MECHANICAL JOINT BOLTS AND NUTS PER ANSI A21-11 3/4" X 5"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.2.29 <b>32321 006 025 MECHANICAL JOINT BOLTS AND NUTS PER ANSI A21-11 3/4" X 5-1/2"</b>	1	EA	\$ _____	\$ _____
5.2.30 <b>32321 011 036 3/4" X 7" T-Bolt &amp; Nut for mechanical joint</b>	1	EA	\$ _____	\$ _____
5.2.31 <b>32321 011 037 1" X 7" T-Bolt &amp; Nut for mechanical joint</b>	1	EA	\$ _____	\$ _____
		<b>SUBTOTAL</b>	\$ _____	

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5.3 **Group 10**

**BUTTERFLY VALVES**

		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.3.1	<b>32321 003 720</b> <b>Butterfly valves</b> , mechanical joint end, AWWA <b>Standard C504</b> , Class 150B, <b>with Limitorque HBC operator; in accordance with Water Department Purchase Specification including Q.C. participation;</b> mechanical joint accessories, epoxy coating, 5' extension stem with 250 ft. lb. shear pin and a torque protector (set at 220 ft. lb. +/-). With Packing Bonnet/Operator Adapter - <b>16"</b>	<b>8</b>	<b>EA</b>	\$ _____	\$ _____
5.3.2	<b>32321 003 721</b> <b>Butterfly valves</b> , mechanical joint end, AWWA <b>Standard C504</b> , Class 150B, <b>with Limitorque HBC operator; in accordance with Water Department Purchase Specification including Q.C. participation;</b> mechanical joint accessories, epoxy coating, 5' extension stem with 250 ft. lb. shear pin and a torque protector (set at 220 ft. lb. +/-). With Packing Bonnet/Operator Adapter - <b>20"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
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5.3.3 **32321 003 722**  
**Butterfly valves**, mechanical joint end, AWWA **Standard C504**, Class 150B, **with Limitorque HBC operator; in accordance with Water Department Purchase Specification including Q.C. participation;** mechanical joint accessories, epoxy coating, 5' extension stem with 250 ft. lb. shear pin and a torque protector (set at 220 ft. lb. +/-). With Packing Bonnet/Operator Adapter - **24"**

1	EA	\$ _____	\$ _____
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5.3.4 **32321 003 723**  
**Butterfly valves**, mechanical joint end, AWWA **Standard C504**, Class 150B, **with Limitorque HBC operator; in accordance with Water Department Purchase Specification including Q.C. participation;** mechanical joint accessories, epoxy coating, 5' extension stem with 250 ft. lb. shear pin and a torque protector (set at 220 ft. lb. +/-). With Packing Bonnet/Operator Adapter - **30"**

3	EA	\$ _____	\$ _____
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<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
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5.3.5	<p><b>32321 003 724</b>  <b>Butterfly valves</b>, mechanical joint end, AWWA <b>Standard C504</b>, Class 150B, <b>with Limitorque HBC operator; in accordance with Water Department Purchase Specification including Q.C. participation;</b> mechanical joint accessories, epoxy coating, 5' extension stem with 250 ft. lb. shear pin and a torque protector (set at 220 ft. lb. +/-).  With Packing Bonnet/Operator Adapter - <b>36"</b></p>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
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5.3.6	<p><b>32321 003 725</b>  <b>Butterfly valves</b>, mechanical joint end, AWWA <b>Standard C504</b>, Class 150B, <b>with Limitorque HBC operator; in accordance with Water Department Purchase Specification including Q.C. participation;</b> mechanical joint accessories, epoxy coating, 5' extension stem with 250 ft. lb. shear pin and a torque protector (set at 220 ft. lb. +/-). With Packing Bonnet/Operator Adapter - <b>48"</b></p>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.3.7 <b>32321 003 726</b> <b>Butterfly Valves, 16"</b> <b>AWWA Dezurik Flanged;</b> 150 less nuts, bolts and gaskets to be used with existing Limatorque operator that the customer is furnishing and taking responsibility of adapting the two units together.	1	EA	\$ _____	\$ _____
5.3.8 <b>32321 003 760</b> <b>Butterfly valves</b> , mechanical joint end, AWWA <b>Standard C504</b> , Class 150B, <b>with traveling nut</b> <b>operator with the specified</b> <b>number of input turns; in</b> <b>accordance with Water Department</b> <b>Purchase Specification including</b> <b>Q.C. participation</b> ; mechanical joint accessories, epoxy coating, 5' extension stem with 250 ft. lb. shear pin and a torque protector (set at 220 ft. lb. +/-). <b>16"</b>	1	EA	\$ _____	\$ _____

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.3.9 <b>32321 003 761</b> <b>Butterfly valves</b> , mechanical joint end, AWWA <b>Standard C504</b> , Class 150B, <b>with traveling nut operator with the specified number of input turns; in accordance with Water Department Purchase Specification including Q.C. participation</b> ; mechanical joint accessories, epoxy coating, 5' extension stem with 250 ft. lb. shear pin and a torque protector (set at 220 ft. lb. +/-). <b>20"</b>	1	EA	\$ _____	\$ _____
5.3.10 <b>32321 003 762</b> <b>Butterfly valves</b> , mechanical joint end, AWWA <b>Standard C504</b> , Class 150B, <b>with traveling nut operator with the specified number of input turns; in accordance with Water Department Purchase Specification including Q.C. participation</b> ; mechanical joint accessories, epoxy coating, 5' extension stem with 250 ft. lb. shear pin and a torque protector (set at 220 ft. lb. +/-). <b>24"</b>	1	EA	\$ _____	\$ _____

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<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
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5.3.11	<b>32321 003 763</b> <b>Butterfly valves</b> , mechanical joint end, AWWA <b>Standard C504</b> , Class 150B, <b>with traveling nut operator with the specified number of input turns; in accordance with Water Department Purchase Specification including Q.C. participation;</b> mechanical joint accessories, epoxy coating, 5' extension stem with 250 ft. lb. shear pin and a torque protector (set at 220 ft. lb. +/-). <b>30"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
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5.3.12	<b>32321 003 764</b> <b>Butterfly valves</b> , mechanical joint end, AWWA <b>Standard C504</b> , Class 150B, <b>with traveling nut operator with the specified number of input turns; in accordance with Water Department Purchase Specification including Q.C. participation;</b> mechanical joint accessories, epoxy coating, 5' extension stem with 250 ft. lb. shear pin and a torque protector (set at 220 ft. lb. +/-). <b>36"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
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<b>INVITATION AND BID Continuation</b>	CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT PHILADELPHIA, PA 19102 - 1685	BID NUMBER <b>S8Z53450</b>	PAGE OF <b>38 81</b>
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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.3.13 <b>32321 003 765</b> <b>Butterfly valves</b> , mechanical joint end, AWWA <b>Standard C504</b> , Class 150B, <b>with traveling nut</b> <b>operator with the specified</b> <b>number of input turns; in</b> <b>accordance with Water Department</b> <b>Purchase Specification including</b> <b>Q.C. participation;</b> mechanical joint accessories, epoxy coating, 5' extension stem with 250 ft. lb. shear pin and a torque protector (set at 220 ft. lb. +/-). <b>48"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.3.14 <b>32321 003 800</b> <b>Valve, butterfly, 4", flanged</b> , plain stem only; std. Paint-int., std. paint-ext. Henry Pratt ZF11 1508	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.3.15 <b>32321 003 801</b> <b>Valve, butterfly, 4", wafer</b> , plain stem only; std. Paint-int., std. paint-ext. Henry Pratt MK11 1508	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.3.16 <b>32321 003 802</b> <b>Valve, butterfly, 6", flanged</b> , plain stem only; std. Paint-int., std. paint-ext. Henry Pratt 2F11 1508	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.3.17 <b>32321 003 803</b> <b>Valve, butterfly, 6", wafer,</b> plain stem only; std. Paint-int., std. paint-ext. Henry Pratt MK11 1508	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.3.18 <b>32321 003 804</b> <b>Valve, butterfly, 8", flanged,</b> plain stem only; std. paint-int., std. paint-ext. Henry Pratt 2F11 1508	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.3.19 <b>32321 003 805</b> <b>Valve, butterfly, 8", wafer,</b> plain stem only; std. paint-int., std. paint-ext. Henry Pratt MK11 1508	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.3.20 <b>32321 003 806</b> <b>Valve, butterfly, 10", flanged,</b> plain stem only; std. paint-int., std. paint-ext. Henry Pratt 2F11 1508	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.3.21 <b>32321 003 807</b> <b>Valve, butterfly, 10", wafer,</b> plain stem only; std. paint-int., std. paint-ext. Henry Pratt MK11 1508	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.3.22 <b>32321 003 808</b> <b>Valve, butterfly, 12", flanged,</b> plain stem only; std. paint-int., std. paint-ext. Henry Pratt 2F11 1508	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.3.23 <b>32321 003 809</b> <b>Valve, butterfly, 12", wafer,</b> plain stem only; std. paint-int., std. paint-ext. Henry Pratt MK11 1508	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.3.24 <b>32321 003 810</b> <b>Valve, butterfly, 14", flanged,</b> plain stem only; std. Paint-int., std. Paint-ext. Henry Pratt 2F11 1508	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.3.25 <b>32321 003 811</b> <b>Valve, butterfly, 14", wafer,</b> plain stem only; std. Paint-int., std. Paint-ext. Henry Pratt MK11 1508	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.3.26 <b>32321 009 206</b> <b>RESILIENT SEAT BUTTERFLY</b> <b>VALVE 3" BRS L1 CI</b> XNBR NBR S2-S2 *LT LUG	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.3.27 <b>32321 009 207</b> <b>RESILIENT SEAT BUTTERFLY</b> <b>VALVE 4" BRS L1 CI</b> XNBR NBR S2-S2 *LT LUG	1	EA	\$ _____	\$ _____
5.3.28 <b>32321 009 208</b> <b>RESILIENT SEAT BUTTERFLY</b> <b>VALVE 6" BRS L1 CI</b> XNBR NBR S2-S2 *LT LUG	1	EA	\$ _____	\$ _____
5.3.29 <b>32321 009 209</b> <b>RESILIENT SEAT BUTTERFLY</b> <b>VALVE 8" BRS L1 CI</b> XNBR NBR S2-S2 *LT LUG	1	EA	\$ _____	\$ _____
5.3.30 <b>32321 009 210</b> <b>RESILIENT SEAT BUTTERFLY</b> <b>VALVE 3" BRS WI CI</b> XNBR NBR S2-S2 *LT WAFER	1	EA	\$ _____	\$ _____
5.3.31 <b>32321 009 211</b> <b>RESILIENT SEAT BUTTERFLY</b> <b>VALVE 4" BRS WI CI</b> XNBR NBR S2-S2 *LT WAFER	1	EA	\$ _____	\$ _____
5.3.32 <b>32321 009 212</b> <b>RESILIENT SEAT BUTTERFLY</b> <b>VALVE 6" BRS WI CI</b> XNBR NBR S2-S2 *LT WAFER	1	EA	\$ _____	\$ _____



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	<u>QTY</u>	<u>MEASURE</u>	<u>PRICE</u>	<u>AMOUNT</u>
5.3.38 <b>32321 011 047</b> <b>24" GA INDUSTRIES FIG. #201-D RESILIENT SEATED BALL VALVE</b> W/OIL CYLINDER ACTUATOR, HAND WHEEL MANUAL OVERRIDE AND PANEL MOUNTED ELECTRIC CHECK CONTROLS	1	EA	\$ _____	\$ _____
5.3.39 <b>32321 011 059</b> 2-1/2 FLG, OS&Y, RSGV O/L #8068	1	EA	\$ _____	\$ _____
5.3.40 <b>32321 011 064</b> <b>24" GA INDUSTRIES FIG. #201-D RESILIENT SEATED BALL VALVE</b> <b>W/OIL CYLINDER ACTUATOR, HAND</b> WHEEL MANUAL OVERRIDE AND PANEL MOUNTED ELECTRIC CHECK CONTROLS; W/ULTRA DRIVE GEARBOX DECLUTCHABLE GEARBOX.	1	EA	\$ _____	\$ _____
5.3.41 <b>32321 011 066</b> <b>10" OS&amp;Y GATE VALVE W/FLANGED ENDS, 175 PSI RATED METROSEAL</b> RESILIENT SEATED GATE VALVE; 5000 SERIES; OPEN LEFT. #7000041470	1	EA	\$ _____	\$ _____

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.3.42	C509 Resilient Seat Gate Valves (Less Accessories)			
5.3.42.1	<b>32321 011 073</b>			
		<b>8" MJ RW Gate Valve OR L/A USP</b>		
	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.3.42.2	<b>32321 011 074</b>			
		<b>10" MJ RW Gate Valve OR L/A USP</b>		
	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.3.42.3	<b>32321 011 075</b>			
		<b>12" MJ RW Gate Valve OR L/A USP</b>		
	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.3.43	Resilient Seated Tapping Valve w/Flange Accessories, Open Right			
5.3.43.1	<b>32321 011 076</b>			
		<b>4" MJ x Flg. RW Tapping Valve OR L/A USP</b>		
	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.3.43.2	<b>32321 011 077</b>			
		<b>6" MJ x Flg. RW Tapping Valve OR L/A USP</b>		
	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.3.43.3	<b>32321 011 078</b>			
		<b>8" MJ x Flg. RW Tapping Valve OR L/A USP</b>		
	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.3.43.4	<b>32321 011 079</b> <b>10" MJ x Flg. RW Tapping Valve OR L/A USP</b>	<b>1</b>	<b>EA</b>	\$ _____ \$ _____
5.3.43.5	<b>32321 011 080</b> <b>12" MJ x Flg. RW Tapping Valve OR L/A USP</b>	<b>1</b>	<b>EA</b>	\$ _____ \$ _____
5.3.44	<b>32321 009 216</b> <b>16" Flg. Pratt #2F11, 150B Butterfly valve, int-blk Asphalt, ext. Universal Primer #50029136001 Duplicate of SO-29136-1</b>	<b>4</b>	<b>EA</b>	\$ _____ \$ _____
5.3.45	<b>32321 009 217</b> <b>18" Flg. Pratt #2F11, 150B Butterfly valve, int-blk Asphalt, ext. Universal Primer #50029136002 Duplicate of SO-29136-2</b>	<b>1</b>	<b>EA</b>	\$ _____ \$ _____
5.3.46	C-509 Resilient Wedge Gate Valves Ductile Iron Full Wall UL/FM. Valve body and bonnet A536 ductile iron, 10 mils thermosetting powder epoxy coating. The letters "PWD" cast in the bonnet, 304 stainless steel bolts and nuts for stuffing box and bonnet. Bronze valve stem ASTM B-138 alloy C67600 bar stock material. Stuffing box with integral weather shield. Stuffing box to run parallel with the pipe ends.			

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.3.46.1 <b>32321 011 116</b> Gate Valves, U.S. Pipe series A USP2 or approved equal; <b>3" MJ, Gate Valve less acc; open right, A USP-23-PWD</b>	<b>40</b>	<b>EA</b>	\$ _____	\$ _____
5.3.46.1.1 <b>32321 011 117</b> 4"	<b>6</b>	<b>EA</b>	\$ _____	\$ _____
5.3.46.1.2 <b>32321 011 118</b> 6"	<b>110</b>	<b>EA</b>	\$ _____	\$ _____
5.3.46.1.3 <b>32321 011 119</b> 8"	<b>25</b>	<b>EA</b>	\$ _____	\$ _____
5.3.46.1.4 <b>32321 011 120</b> 10"	<b>13</b>	<b>EA</b>	\$ _____	\$ _____
5.3.46.1.5 <b>32321 011 121</b> 12"	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.3.46.2 <b>32321 011 122</b> Tapping Valves, U.S. Pipe series TUSP2 or approved equal; <b>3" MJ x FL Tapping Valve less acc., open right, TUSP2-19-PWD</b>	<b>60</b>	<b>EA</b>	\$ _____	\$ _____
5.3.46.2.1 <b>32321 011 123</b> 4"	<b>100</b>	<b>EA</b>	\$ _____	\$ _____
5.3.46.2.2 <b>32321 011 124</b> 6"	<b>120</b>	<b>EA</b>	\$ _____	\$ _____
5.3.46.2.3 <b>32321 011 125</b> 8"	<b>13</b>	<b>EA</b>	\$ _____	\$ _____
5.3.46.2.4 <b>32321 011 126</b> 10"	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.3.46.2.5 <b>32321 011 127</b> 12"	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
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5.3.46.3      **32321 011 128**  
Cutting-In Valves, U.S. Pipe series CUSP2 or approved equal;  
4" C2362-45 Cut-In Vlv D-150 acc.w/reg gasket, CUSP2-45-PWD

1	EA	\$ _____	\$ _____
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5.3.46.3.1    **32321 011 129**  
6"

1	EA	\$ _____	\$ _____
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5.3.46.3.2    **32321 011 130**  
8"

1	EA	\$ _____	\$ _____
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5.3.47      **32321 011 133**  
Valves; drain and influent; Rotork IQ 35, 3 phase actuator, extra limit  
switches, complete with actuator, machined drive bushing and start up.

1	EA	\$ _____	\$ _____.
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5.3.48      **32321 011 134**  
Valves; washwater; Rotork IQ 35, 3 phase actuator, extra limit switches;  
complete with actuator, machined drive bushing adapter plate and start up

1	EA	\$ _____	\$ _____.
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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.3.49 <b>32321 011 138</b> Protector, Aunspach Overtorque, model D86-250; standard black epoxy coating, 200/220 lb. ft. trip torque; <b>2"</b> AWWA nut and socket	<b>10</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____.</b>
5.3.50 <b>32321 011 140</b> <b>24"</b> resilient wedge gate valve; flanged ends, NRS, w/by-pass, open left, model #AUSP106LO, w/Rotork Electric Actuator IQD25B4/IB6 w/gearbox, 120 volt, DC, NEMA 6 enclosure for open/close service 250 psig working pressure; 3" by pass, stem made of bronze ASTM B584. U.S. Pipe Series AUSP2 or approved equal.	<b>1</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____.</b>
5.3.51 <b>32321 011 139</b> <b>36"</b> resilient wedge gate valve; flanged ends, NRS, w/by-pass, open left, model #AUSP106LO, w/Rotork Electric Actuator IQD25B4/IB8 w/gearbox, 125 volt, DC, NEMA 6 enclosure for open/close service 280 psig working pressure, 3" by pass, stem made of bronze ASTM B584. U.S. Pipe Series AUSP2 or approved equal.	<b>1</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____.</b>
5.3.52 <b>32321 009 219</b> <b>20"</b> Pratt #2F11-150B, flg butterfly valve, ps, w/packing retainer plate paint, int-black asphalt, exterior Universal Primer less acc. Delivered to jobsite.	<b>1</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____.</b>

**SUBTOTAL     \$\_\_\_\_\_**

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<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
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5.4 **Group 13**

**OTHER VALVES**

5.4.1	<b>32321 003 500</b> <b>Surface wash valve,</b> adjustable flange, including adaptation to existing electric motor actuator. <b>6"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
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5.4.2	<b>32321 003 501</b> <b>Surface wash valve,</b> adjustable flange, including adaptation to existing electric motor actuator. <b>8"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
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5.4.3	<b>32321 003 560</b> <b>Stem valve</b> for effluent single throttle construction valve with SMA-0 electric motor actuator. <b>18"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.4.4 <b>32321 009 200</b> <b>Plug Valve ½"</b> 118 SI RS 16 ALG LEVER	1	EA	\$ _____	\$ _____
5.4.5 <b>32321 009 201</b> <b>Plug Valve 3"</b> 118 E2 RS16 ALG LEVER	1	EA	\$ _____	\$ _____
5.4.6 <b>32321 009 202</b> <b>Plug Valve 6"</b> 118 F6 RS16 AGG6W8 Chain-wheel	1	EA	\$ _____	\$ _____
5.4.7 <b>32321 009 203</b> <b>Plug Valve 8"</b> 118 F6 RS16 AGG6W8 Chain-wheel	1	EA	\$ _____	\$ _____
5.4.8 <b>32321 009 204</b> <b>Plug Valve 10"</b> 118 F6 RS17 AGG6W8 Chain-wheel	1	EA	\$ _____	\$ _____
5.4.9 <b>32321 009 205</b> <b>Plug Valve 12"</b> 118 F6 RS17 AGG6W8 Chain-wheel	1	EA	\$ _____	\$ _____

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		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.4.10	<b>32321 009 214</b> <b>4" FLG plug valve,</b> lever operated	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.4.11	<b>32321 011 005</b> <b>1/2" Velan 150 FLG,</b> <b>TEL50 Ball Valve,</b> Cryogenic w/12" Extension level actuator	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.4.12	<b>32321 011 000</b> <b>3/4" Velan 150 FLG,</b> <b>TEL50 Ball Valve,</b> Cryogenic w/12" Extension level actuator	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.4.13	<b>32321 011 001</b> <b>1" Velan 150 FLG,</b> <b>TEL50 Ball Valve,</b> Cryogenic w/12" Extension level actuator	<b>1</b>	<b>EA</b>	\$ _____	\$ _____



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		<u>QTY</u>	<u>MEASURE</u>	<u>PRICE</u>	<u>AMOUNT</u>
5.4.18	<b>32321 011 020</b> <b>Rotork Actuator</b> <b>IQ10A Electric</b> <b>Motor;</b> 208v/3HP/60 Hz; water-tight enclosure; non-intrusive calibration	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.4.19	<b>41110 002 001</b> <b>Rotork Actuator</b> <b>IQ40A Electric</b> <b>Motor;</b> 480/3/60 volt with 4-20 main/out, machined drive bushing; adaption kit to existing gear box and startup.	<b>60</b>	<b>EA</b>	\$ _____	\$ _____
5.4.20	<b>32321 011 039</b> <b>Rotork Actuator</b> <b>IQ10IW5R Electric Motor;</b> 240/3/60 volt with 4-20 main/out, machined drive bushing; adaption kit to existing gear box and startup.	<b>8</b>	<b>EA</b>	\$ _____	\$ _____
5.4.21	<b>32321 011 019</b> <b>Modified disc pack,</b> including discs, wedges, straps for <b>36" single</b> <b>throttle discharge</b> <b>valve</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.4.22 <b>32321 011 041</b> <b>6" DeZurik Plug Valve with lever</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.4.22.1 <b>32321 011 042</b> <b>Plugs only</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.4.22.2 <b>32321 011 043</b> <b>Bonnet Gasket</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.4.22.3 <b>32321 011 044</b> <b>Packing kit</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.4.23 <b>32321 011 013</b> <b>18" Flanged DeZurik F</b> 118 Handwheel gear operated <b>plug valve</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.4.24 <b>32321 011 040</b> <b>24" GA Industries Resilient</b> <b>seated Ball Valve</b> with shaft extension, EIM DC power actuator, cast iron body and 250# flanges	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.4.25 <b>32321 011 021</b> <b>18" Double Flanged resilient seat C.S. Metroseal gate valve with Rotork IQ35 Actuator</b> 460-3-60-VAC Non-intrusive operator, NEMA 6 submergible, complete with DATAlogger, Automatic phase Correction and single-phase Protection.	<b>10</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.4.26 <b>32321 011 022</b> <b>18" US Resilient seated gate valve</b> double flanged C-509 with a Limatorque operator L120-40-25-1800	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.4.27 <b>32321 011 048</b> Rotork IQTM Motor actuator, 120 volts modulating 4-20 mA, in/out service; (1200 starts/Hr), complete w/machined drive bushing; adaptation kit and start up	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
		<b>UNIT OF</b>	<b>UNIT</b>	<b>TOTAL</b>

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		<u>QTY</u>	<u>MEASURE</u>	<u>PRICE</u>	<u>AMOUNT</u>
5.4.28	<b>32321 011 049</b> Rotork IQ12FA10Z, 480/3/60 volts; modulating 4-20 mA; in/out service; complete w/machined drive bushing; adaptation kit and start up	<b>3</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.4.29	<b>32321 011 050</b> Rotork IQ18, 480/3/60 on/off service for use w/DeZurik valve #9183926; complete w/machined drive bushing	<b>2</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.4.30	<b>32321 011 051</b> Rotork IQ 10FA10, 57 rpm, 480/3/60 on/off service complete w/machined drive bushing and start up and four (4) extra switches	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.4.31	<b>32321 011 069</b> Actuator, Rotork, IQ10/W4R, 57 RPM; 480/3/60 w/adapter plate, drive bushing, extra limit switches and start up	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
			<b>UNIT OF</b>	<b>UNIT</b>	<b>TOTAL</b>



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	<u>QTY</u>	<u>MEASURE</u>	<u>PRICE</u>	<u>AMOUNT</u>
5.4.35 <b>32321 011 057</b> FST RSSP DV on/off service Rotork IQ10B4/IW5R; 230/3/60 volts, explosion proof actuator and gearbox, complete w/adaptation, machined drive bushing and start up	1	EA	\$ _____	\$ _____
5.4.36 <b>32321 011 058</b> RSSP Modulating Valve Rotork IQTM 1000,115 volts, single phase, modulating 4-20 mA in/out (1200 starts/Hr.) complete w/machined drive busing, adaptation and start up	1	EA	\$ _____	\$ _____
5.4.37 <b>32321 011 065</b> Rotork IQ20 Actuator, 3 phase, on/off service complete w/machined drive bushing, adapter plate and start up	1	EA	\$ _____	\$ _____

<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
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5.4.38	<b>32321 011 061</b> Valve, diaphragm; 2"; ITT; ductile iron body, un-lined, FxF ends, natural rubber diaphragm, manual wheel Operator	<b>8</b>	<b>EA</b>	\$ _____	\$ _____
5.4.39	<b>32321 011 062</b> Same as 5.4.37 above except that <b>3"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.4.40	<b>32321 011 063</b> Same as 5.4.37 above except that <b>4"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.4.41	<b>32321 011 060</b> Rotork IQ20FA14 electric actuator' 480/3/60, NEMA enclosure; to be mounted to an existing gearbox; to include electric actuator, machined drive bushing, adapter plate and start up. Fasteners not included.	<b>3</b>	<b>EA</b>	\$ _____	\$ _____
5.4.42	<b>32321 011 067</b> <b>8"</b> Golden Anderson PRV valve, Model 4500D, 46 psi outlet pressure; 82 psi inlet pressure.	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
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5.4.43      **32321 011 066**  
**10"** OS&Y Gate Valves  
w/flanged ends, 175 PSI rated  
Metroseal resilient seated  
gate valve 5000 series,  
open left.

**1**                      **EA**                      \$ \_\_\_\_\_                      \$ \_\_\_\_\_

5.4.44      **32321 011 081**  
Rotork IQ12FA10/IW6R;  
440/3/60 power supply,  
NEMA 6 enclosure, 8  
configurable contacts,  
open/close service,  
complete w/a Rotork AWWA  
gearbox and machined  
drive bushing.

**1**                      **EA**                      \$ \_\_\_\_\_                      \$ \_\_\_\_\_

5.4.45      **2321 011 082**  
Rotork IQ12 Motor  
Operator, 440/3/60 power  
supply, NEMA 6 enclosure, 8  
configurable contacts,  
modulating service, 4-20 mA  
input/output, 29 rpm, complete  
with an IW6R Rotork AWWA  
gearbox and a machined  
drive bushing, 210:1 ratio for  
a 108 second stroke time, FA 25  
output flange w/mating flanges  
for FA30, **18"** hand wheel.

**1**                      **EA**                      \$ \_\_\_\_\_                      \$ \_\_\_\_\_

**QTY**                      **UNIT OF**                      **UNIT**                      **TOTAL**  
**MEASURE**                      **PRICE**                      **AMOUNT**



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8" Flange C-509 Gate Valve  
NRS w/handwheel & flange.  
Accessory packs; open left.

**2**

**EA**

\$ \_\_\_\_\_

\$ \_\_\_\_\_

5.4.52

**32321 011 113**

10" Flange C-509 Gate Valve  
NRS w/handwheel & flange.  
Accessory packs; open left.

**2**

**EA**

\$ \_\_\_\_\_

\$ \_\_\_\_\_

5.4.53

**32321 011 114**

8" 690-01 BDSYKCH  
Reduced port pressure  
reducing and check valve;  
Globe pattern, ductile iron  
body ASTM A-536, 316  
stainless steel trim, 150#  
flanges ANSI B16.42, 250  
PSI maximum working  
pressure; Buns-n-Rubber  
Parts, interior/exterior  
epoxy coating, bronze  
ASTM B62 Pilot Valve  
System, opening speed  
control, copper and brass  
tubing/fittings, X101  
valve position indicator,  
15-75 PSI spring range in  
Pressure Reducing Control.

**1**

**EA**

\$ \_\_\_\_\_

\$ \_\_\_\_\_

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		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.4.54	<b>32321 011 115</b> 10" 690-01 BDSYKCH Reduced port pressure reducing and check valve; Globe pattern; ductile iron body, ASTM A-536, 316 stainless steel trim, 150# flanges ANSI B16,42, 250-PSI maximum working pressure; Buns-N-Rubber Parts, interior/exterior epoxy coating, bronze ASTM B62 pilot valve system, opening speed control; copper and brass tubing/fittings, X101 valve position indicator, 15-75 PSI spring range in Pressure Reducing Control.	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.4.55	<b>32321 011 131</b> 6" DeZurick plug valve, flanged ends, complete w/factory mounted Rotork IQT500 electric motor; 3 phase designed for an on/off service, include extra switches and lone cover. Part #SP-D118-IQT500.	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

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		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.4.56	<b>32321 011 132</b> Same as 5.4.55 except that: long cover and a Packscan board Part #SP-D118-IQT500-PB.	5	EA	\$_____	\$_____
5.4.57	<b>32321 009 218</b> 20" GA Industries Fig# XR201D resilient seated ball valve, including panel mounted controls, including accessories.	1	EA	\$_____	\$_____
				<b>SUBTOTAL</b>	\$_____
5.5	<b>Group 14</b>				
	<b>VALVES BOXES</b>				
5.5.1	<b>32321 009 000</b> <b>Parts</b> for Ametek Metro Seven Inch Plastic Valve Box; <b>Adapter; Water Dept.</b> Drawing No. 46G 3827.	500	EA	\$_____	\$_____
5.5.2	<b>32321 009 001</b> <b>Parts</b> for Ametek Metro Seven Inch Plastic Valve Box; <b>Cover, Cast Iron; Water Dept.</b> Drawing No. 46G 3827.	700	EA	\$_____	\$_____
				<b>SUBTOTAL</b>	\$_____

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		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.5.3	<b>32321 009 002</b> <b>Parts</b> for Ametek Metro Seven Inch Plastic Valve Box; <b>Upper, Section; Water Dept.</b> Drawing No. 46G 3827. <b>PWD COMMODITY CODE #051048</b>	<b>400</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.5.4	<b>32321 009 003</b> <b>Parts</b> for Ametek Metro Seven Inch Plastic Valve Box; <b>Lower, Section; Water Dept.</b> Drawing No. 46G 3828. <b>PWD COMMODITY CODE #051049</b>	<b>900</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.5.5	<b>32321 009 005</b> <b>Valve box, electrolysis;</b> <b>valve box top; 5 ¼" 16".</b> <b>Series #6855.</b>	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.5.6	<b>32321 009 006</b> <b>Valve box, electrolysis;</b> <b>5 ¼ wafer drop lid.</b>	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>
5.5.7	<b>32321 009 007</b> <b>Valve box, electrolysis;</b> <b>6012 Series, 12 x 12</b> <b>wafer lid.</b>	<b>1</b>	<b>EA</b>	<b>\$ _____</b>	<b>\$ _____</b>

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		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.5.8	<b>32321 009 008 Valve box, electrolysis; 6012 Series, 12 x 12, roadway box top 13" high.</b>	1	EA	\$ _____	\$ _____
5.5.9	<b>32321 009 100 Valve box, service; plastic, 2-1/2".</b>	1800	EA	\$ _____	\$ _____
5.5.10	<b>32321 009 009 Lids, repair for curb boxes; 2-1/2".</b>	900	EA	\$ _____	\$ _____
5.5.11	<b>32321 009 010 Lids, repair, new style; 2-1/2" for curb boxes.</b>	500	EA	\$ _____	\$ _____
5.5.12	<b>32321 009 011 Lids, repair, old style; 3" Buffalo type curb box.</b>	400	EA	\$ _____	\$ _____
5.5.13	<b>32321 011 018 Curb Box Repair Lids, Mueller for ref. 3" Buffalo Type.</b>	1	EA	\$ _____	\$ _____

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		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.5.14	<b>32321 011 015</b> <b>2-1/2" plastic</b> <b>Ametek</b> <b>Service box.</b>	<b>1</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
5.5.15	<b>32321 011 052</b> Key curb box, 6 ft; H-10321 shut off rod	<b>70</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
5.5.16	<b>32321 011 053</b> Key Pentagon for curb box, H-10323 malleable iron	<b>1</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
5.5.17	<b>32321 011 072</b> Aunspach over torque protector, model #D-86-250; standard black epoxy coating, 200/220 lb ft trip torque, <b>2"</b> AWWA operating nut and socket	<b>1</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
5.5.18	<b>32321 011 141</b> <b>4" PR Vent Box Lids</b> SP-PRVENT-LTD	<b>1</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
			<b>SUBTOTAL</b>	<b>\$_____</b>	

<b>INVITATION AND BID Continuation</b>	CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT PHILADELPHIA, PA 19102 - 1685	BID NUMBER <b>S8Z53450</b>	PAGE OF <b>69 81</b>
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		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.6	<b>Group 15</b>				
	<b>TAPPING SLEEVES</b>				
5.6.1	<b>SLEEVE, TAPPING DUCTILE IRON COMPRESSION TYPE; SIZES</b>				
5.6.1.1	<b>32321 020 000 12" x 12"</b>	<b>1</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
5.6.1.2	<b>32321 020 001 12" x 10"</b>	<b>1</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
5.6.1.3	<b>32321 020 002 12" x 8"</b>	<b>16</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
5.6.1.4	<b>32321 020 003 12" x 6"</b>	<b>41</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
5.6.1.5	<b>32321 020 004 12" x 4"</b>	<b>25</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
5.6.1.6	<b>32321 020 005 12" x 3"</b>	<b>3</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>

<b>INVITATION AND BID Continuation</b>	CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT PHILADELPHIA, PA 19102 - 1685	BID NUMBER <b>S8Z53450</b>	PAGE OF <b>70 81</b>
		FIRM NAME (Must be filled in)	

		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.6.1.7	<b>32321 020 006</b> <b>10" x 10"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.6.1.8	<b>32321 020 007</b> <b>10" x 8"</b>	<b>2</b>	<b>EA</b>	\$ _____	\$ _____
5.6.1.9	<b>32321 020 008</b> <b>10" x 6"</b>	<b>3</b>	<b>EA</b>	\$ _____	\$ _____
5.6.1.10	<b>32321 020 009</b> <b>10" x 4"</b>	<b>9</b>	<b>EA</b>	\$ _____	\$ _____
5.6.1.11	<b>32321 020 010</b> <b>10" x 3"</b>	<b>2</b>	<b>EA</b>	\$ _____	\$ _____
5.6.1.12	<b>32321 020 011</b> <b>8" x 8"</b>	<b>15</b>	<b>EA</b>	\$ _____	\$ _____
5.6.1.13	<b>32321 020 012</b> <b>8" x 6"</b>	<b>15</b>	<b>EA</b>	\$ _____	\$ _____
5.6.1.14	<b>32321 020 013</b> <b>8" x 4"</b>	<b>50</b>	<b>EA</b>	\$ _____	\$ _____

<b>INVITATION AND BID Continuation</b>	CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT PHILADELPHIA, PA 19102 - 1685	BID NUMBER <b>S8Z53450</b>	PAGE OF <b>71 81</b>
		FIRM NAME (Must be filled in)	

		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.6.1.15	<b>32321 020 014</b> <b>8" x 3"</b>	14	EA	\$_____	\$_____
5.6.1.16	<b>32321 020 015</b> <b>6" x 6"</b>	12	EA	\$_____	\$_____
5.6.1.17	<b>32321 020 016</b> <b>6" x 4"</b>	1	EA	\$_____	\$_____
5.6.1.18	<b>32321 020 017</b> <b>6" x 3"</b>	1	EA	\$_____	\$_____
5.6.2	<b>SLEEVE, TAPPING MECHANICAL JOINT WITH ACCESSORIES INCLUDING TWO SETS OF GASKETS PER SLEEVE FOR PIT CAST PIPE RANGES A THROUGH D</b>				
5.6.2.1	<b>32321 021 000</b> <b>12" x 12"</b>	1	EA	\$_____	\$_____
5.6.2.2	<b>32321 021 001</b> <b>12" x 10"</b>	1	EA	\$_____	\$_____
5.6.2.3	<b>32321 021 002</b> <b>12" x 8"</b>	1	EA	\$_____	\$_____
5.6.2.4	<b>32321 021 003</b> <b>12" x 6"</b>	1	EA	\$_____	\$_____

<b>INVITATION AND BID Continuation</b>	CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT PHILADELPHIA, PA 19102 - 1685	BID NUMBER <b>S8Z53450</b>	PAGE OF <b>72 81</b>
		FIRM NAME (Must be filled in)	

		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.6.2.5	<b>32321 021 004</b> <b>12" x 4"</b>	1	<b>EA</b>	\$ _____	\$ _____
5.6.2.6	<b>32321 021 005</b> <b>12" x 3"</b>	1	<b>EA</b>	\$ _____	\$ _____
5.6.2.7	<b>32321 021 006</b> <b>10" x 8"</b>	1	<b>EA</b>	\$ _____	\$ _____
5.6.2.8	<b>32321 021 007</b> <b>10" x 6"</b>	1	<b>EA</b>	\$ _____	\$ _____
5.6.2.9	<b>32321 021 008</b> <b>10" x 4"</b>	1	<b>EA</b>	\$ _____	\$ _____
5.6.2.10	<b>32321 021 009</b> <b>10" x 3"</b>	1	<b>EA</b>	\$ _____	\$ _____
5.6.2.11	<b>32321 021 010</b> <b>8" x 8"</b>	2	<b>EA</b>	\$ _____	\$ _____
5.6.2.12	<b>32321 021 011</b> <b>8" x 6"</b>	1	<b>EA</b>	\$ _____	\$ _____
5.6.2.13	<b>32321 021 012</b> <b>8" x 4"</b>	1	<b>EA</b>	\$ _____	\$ _____

<b>INVITATION AND BID Continuation</b>	CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT PHILADELPHIA, PA 19102 - 1685	BID NUMBER <b>S8Z53450</b>	PAGE OF <b>73 81</b>
		FIRM NAME (Must be filled in)	

	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.6.2.14 <b>32321 021 013</b> <b>8" x 3"</b>	1	EA	\$ _____	\$ _____
5.6.2.15 <b>32321 021 014</b> <b>6" x 6"</b>	1	EA	\$ _____	\$ _____
5.6.2.16 <b>32321 021 015</b> <b>6" x 4"</b>	1	EA	\$ _____	\$ _____
5.6.2.17 <b>32321 021 016</b> <b>6" x 3"</b>	1	EA	\$ _____	\$ _____
5.6.2.18 <b>32321 021 017</b> <b>16" x 8"</b>	1	EA	\$ _____	\$ _____
5.6.3 <b>Tapping Sleeves MJ with positioning recess conforming to standards           of MSS SP-60 "U"</b>				
5.6.3.1 <b>32321 001 046</b> <b>16" x 4"</b>	1	EA	\$ _____	\$ _____
5.6.3.2 <b>32321 001 047</b> <b>16" x 6"</b>	1	EA	\$ _____	\$ _____
5.6.3.3 <b>32321 001 048</b> <b>16" x 8"</b>	1	EA	\$ _____	\$ _____

<b>INVITATION AND BID Continuation</b>	CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT PHILADELPHIA, PA 19102 - 1685	BID NUMBER <b>S8Z53450</b>	PAGE OF <b>74 81</b>
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		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.6.3.4	<b>32321 001 049 16" x 10"</b>	1	EA	\$ _____	\$ _____
5.6.3.5	<b>32321 001 050 16" x 12"</b>	1	EA	\$ _____	\$ _____
5.6.3.6	<b>32321 001 051 20" x 4"</b>	1	EA	\$ _____	\$ _____
5.6.3.7	<b>32321 001 052 20" x 6"</b>	1	EA	\$ _____	\$ _____
5.6.3.8	<b>32321 001 053 20" x 8"</b>	2	EA	\$ _____	\$ _____
5.6.3.9	<b>32321 001 054 20" x 10"</b>	1	EA	\$ _____	\$ _____
5.6.3.10	<b>32321 001 055 20" x 12"</b>	1	EA	\$ _____	\$ _____
5.6.3.11	<b>32321 001 056 24" x 4"</b>	2	EA	\$ _____	\$ _____

<b>INVITATION AND BID Continuation</b>	CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT PHILADELPHIA, PA 19102 - 1685	BID NUMBER <b>S8Z53450</b>	PAGE OF <b>75 81</b>
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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.6.3.12 <b>32321 001 057</b> <b>24" x 6"</b>	<b>3</b>	<b>EA</b>	\$ _____	\$ _____
5.6.3.13 <b>32321 001 058</b> <b>24" x 8"</b>	<b>2</b>	<b>EA</b>	\$ _____	\$ _____
5.6.3.14 <b>32321 001 059</b> <b>24" x 10"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.6.3.15 <b>32321 001 060</b> <b>16" x 12"</b>	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.6.4 <b><u>Additional Sleeves &amp; Valves</u></b>				
5.6.4.1 <b>32321 013 000</b> <b>20 x 16 MJ T-9</b> Tapping Sleeve w/AB Gaskets	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.6.4.2 <b>32321 013 001</b> <b>16 x 12 Type T-28</b> compression Tapping sleeve	<b>1</b>	<b>EA</b>	\$ _____	\$ _____

<b>INVITATION AND BID Continuation</b>	CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT PHILADELPHIA, PA 19102 - 1685	BID NUMBER <b>S8Z53450</b>	PAGE OF <b>76 81</b>
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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.6.4.3 <b>32321 013 002</b> <b>16" MJ PWD STD</b> Tap Valve, Open right	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.6.4.4 <b>32321 013 003</b> <b>16" MJ Metroseal</b> Tap Valve, Open left and open right	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.6.4.5 <b>32321 013 004</b> <b>12" MJ Metroseal</b> Tap Valve, open right or open left	<b>1</b>	<b>EA</b>	\$ _____	\$ _____
5.6.4.6 <b>32321 011 083</b> <b>6" x 3/4" CC Double</b> Saddle OD Range 6.84-7.60	<b>460</b>	<b>EA</b>	\$ _____	\$ _____
5.6.4.7 <b>32321 011 084</b> <b>6" x 1" CC Double</b> Saddle OD Range 6.84-7.60	<b>1</b>	<b>EA</b>	\$ _____	\$ _____





<b>INVITATION AND BID Continuation</b>	CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT PHILADELPHIA, PA 19102 - 1685	BID NUMBER <b>S8Z53450</b>	PAGE OF <b>79 81</b>
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	<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.6.4.19	<b>32321 011 135</b> 8" Val-Matic Flg plug valve #5808R bane stem	<b>EA</b>	\$ _____	\$ _____
	<b>2</b>			
5.6.4.20	<b>32321 011 136</b> 8" Val-Matic Plug #3A5808R-3	<b>EA</b>	\$ _____	\$ _____
	<b>12</b>			
5.6.4.21	<b>32321 011 137</b> 8" Val-Matic Packing Set for plg vlv #P5808R-7	<b>EA</b>	\$ _____	\$ _____
	<b>12</b>			
		<b>SUBTOTAL</b>	\$ _____	

5.7 **Other Sleeves**

5.7.1	<b>32321 011 070</b> Sleeve, expansion; <b>8" x 6" x 11 3/4"</b> long flg x flg Neoprene; double unfilled arch, Neoprene tube and cover, baked enamel ductile iron retaining rings, complete w/a 2 rod carbon steel control rod assembly.	<b>EA.</b>	\$ _____	\$ _____
	<b>1</b>			
		<b>SUBTOTAL</b>	\$ _____	

<b>INVITATION AND BID Continuation</b>	CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT PHILADELPHIA, PA 19102 - 1685	BID NUMBER <b>S8Z53450</b>	PAGE OF <b>80 81</b>
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		<u>QTY</u>	<u>UNIT OF MEASURE</u>	<u>UNIT PRICE</u>	<u>TOTAL AMOUNT</u>
5.8	<b>Other Gaskets</b>				
5.8.1	<b>32321 014 001</b> ROMAC XR 501 6.60-7.60 7" in length Std. SH; DI; CI & AC x Std. SH, DI, CI & AC	<b>1</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
5.8.2	<b>32321 014 002</b> ROMAC XR 501 8.60-9.75 7" in length Std. SH; DI; CI & AC x Std. SH; DI, CI & AC	<b>1</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
5.8.3	<b>32321 014 003</b> ROMAC XR 501 12.70-14.41 7" in length Std. SH; DI; CI & AC x Std. SH; DI, CI & AC	<b>1</b>	<b>EA</b>	<b>\$_____</b>	<b>\$_____</b>
	<b>SUBTOTAL</b>			<b>\$_____</b>	
	<b>GRAND TOTAL</b>			<b>\$_____</b>	

<b>INVITATION AND BID Continuation</b>	CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT PHILADELPHIA, PA 19102 - 1685	BID NUMBER <b>S8Z53450</b>	PAGE OF <b>81 81</b>
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**BIDDER TO STATE HOW PRODUCT(S), SUPPLIES AND/OR PARTS ARE TO BE DELIVERED TO THE CITY OF PHILADELPHIA: (E.G. ON-SITE DELIVERY VIA AWARDED VENDOR'S TRUCK, UNITED PARCEL, U.S. POSTAL SERVICE ETC.).**

**TYPE OF TRANSPORT:** \_\_\_\_\_

**BIDDER SHALL SPECIFY IF DELIVERY IS OTHER THAN 30 DAYS:**

**ATTACHMENT A**

**CITY OF PHILADELPHIA**

**BID BOND**

# **CITY OF PHILADELPHIA**



## **BID BOND**

**FOR CITY OF PHILADELPHIA BID NUMBER:** \_\_\_\_\_  
(Please Fill In)

**KNOW ALL MEN BY THESE PRESENTS, THAT WE** \_\_\_\_\_  
\_\_\_\_\_ as Principal  
(hereinafter called the "Principal Obligor"), and

\_\_\_\_\_ (as Surety) are jointly and severally held and firmly bound unto The City of Philadelphia, in the sum of **TEN PERCENT (10%) OF THE GROSS AMOUNT OF THE BID** lawful money of the United States of America, to be paid to the said City of Philadelphia, its successors and assigns; to which payment, well and truly to be made we do bind ourselves and each of us, our and each of our successors and assigns, jointly and severally, firmly by these presents.

Sealed with our seals and dated the \_\_\_\_\_ day of \_\_\_\_\_ two-thousand and seven(2007).

**WHEREAS** the above bounded Principal Obligor, submitted a bid pursuant to the above-referenced bid number to provide certain goods, services, or equipment to the City of Philadelphia.

**NOW THE CONDITION OF THIS OBLIGATION IS SUCH,** That if the City of Philadelphia shall accept the bid of the Principal Obligor and the Principal Obligor shall enter into a contract with the City in accordance with the terms of such bid, and furnish such bond or bonds as are specified in the bid documents with good and sufficient surety, for the faithful performance of the contract; or in the event of the failure or refusal of the Principal Obligor to enter into such contract and give such bond or bonds, if the Principal Obligor shall pay to the City the difference between the amount specified in said bid and such larger amount for which the City may legally contract with another party to provide the goods, services, or equipment required by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

And for the doing of these acts this instrument or a copy thereof attested as aforesaid shall be full warrant and authority.

**CORPORATE SEAL:**

**PRINCIPAL OBLIGOR:**

\_\_\_\_\_  
President/Vice-President (SEAL)

\_\_\_\_\_  
Secretary/Treasurer (SEAL)

**SURETY SEAL:**

**SURETY:**

\_\_\_\_\_  
Attorney-In-Fact (SEAL)

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**INSTRUCTIONS:**

- (1) ALL VENDORS MUST UTILIZE THIS BID BOND FORM WHEN SUBMITTING A BID TO THE CITY.
- (2) IF PRINCIPAL OBLIGOR IS AN INDIVIDUAL OR PARTNERSHIP, BID BOND SHOULD BE SIGNED BY OWNER OR AUTHORIZED GENERAL PARTNER. PLEASE IDENTIFY ON THE BID BOND THE TYPE OF BUSINESS (E.G. INDIVIDUAL PROPRIETORSHIP OR PARTNERSHIP) AND TITLE OF PARTY EXECUTING THE BID BOND.
- (3) BID BOND MUST BE EXECUTED BY A SURETY COMPANY DULY AUTHORIZED AND LICENSED TO ACT AS SURETY BY THE PENNSYLVANIA INSURANCE COMMISSIONER PURSUANT TO THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA.

# **EXHIBIT B**

## **EXHIBIT “B”**

### **“SCHEDULE FOR SUBMISSION” OF INFORMATION AND BID FOR VALVES AND SLEEVES**

**BID NUMBER: S8Z53450**

1. Bidder to forward OC application materials to the Philadelphia Water Department through registered mail “return receipt” on or before **May 30, 2007**.

Philadelphia Water Department  
Materials Engineering Laboratory  
Quality Certification Program  
1500 E. Hunting Park Avenue  
Philadelphia, PA 19124

2. OC Certification Application results from the Water Department will be available to bidder by **June 15, 2007**.
3. Bidder to submit list of parts which cannot be delivered within the ninety (90) day time frame specified in para. 1.9.5. and 4.2.7 with the Invitation and Bid, **June 29, 2007**.

#### **List of bid package contents for Valves and Sleeves:**

1. Application for Certification package for QC-10 and QC-!!, for Bidder’s convenience
2. Invitation and Bid S8-Z5345-0
3. Attachment “A” – Bid Bond
4. Binder of working Drawings for Valves and Sleeves

**CITY OF PHILADELPHIA  
PROCUREMENT DEPARTMENT  
STANDARDS DIVISION**

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***SPECIFICATION***

No. 32-V-3:07  
Effective Date: 3/07/2007  
Supercedes 32-V-3:99



**WATER DEPARTMENT PURCHASE SPECIFICATIONS  
FOR  
STANDARD PRESSURE BUTTERFLY VALVES**

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<u>SUBJECT</u>	<u>SECTION</u>
Manufacturers' Qualifications	1
Quality Control Measures	2
Bidder Instructions	3
AWWA Standard	4
Operating Conditions	5
Direction of Closing	6
Valve Body	7
Casting Markings	8
MJ Ends	9
Valve Seats	10
Valve Disc	11
Valve Shaft	12
Stuffing Box	13
Valve Operators	14
Worm Gear Operators	14A
Traveling Nut Operators	14B
Street Level Over Torque Protector	15
Coatings General	16
Valve Coatings	17
Operator Coatings	18
Exterior Fasteners	19
Testing	20
Shipping	21
Shop Drawing Review	22
Revisions	
Over Torque Protector Detail	

1. **Manufacturers' Qualifications:** The butterfly valves shall be produced by manufacturers of established reputation and experience who shall certify that they have been producing valves of similar or identical design and size in compliance with similar or identical specifications for a minimum of five years (before bid date) and that their product has proven satisfactory in both performance and service under actual operating conditions.

The bidder to whom this purchase contract is awarded, will be required to machine, assemble, and test the valves with his own production force. He shall also be required to establish that he currently has within his own organization, an adequate and experienced engineering staff qualified to analyze and resolve problems which may arise relating to the manufacture, assembly and testing of the valves. Subcontracting or subletting any of the aforementioned portions of the work will not be permitted.

2. **Qualify Control Measures:** In an effort to ensure that the manufacturers' valve designs are in accordance with PWD's specific requirements, that the manufacturing processes are capable of producing a quality product, and that adequate quality control and testing procedures are carried out, the bidder to whom this purchase contract is awarded will be required to adhere to the provisions contained in PWD's Qualify Certification Standard. The bidder shall also be required to establish that he currently has within his own organization, a competent and adequately staffed operating quality control program responsible for maintaining high standards regarding materials, manufacturing, and testing of work done in his plant.
3. **Bidder Instructions:** Furnish properly Q.C. certified valves from a current PWD approved source. Notify PWD Q.C. staff of the lead time for these valves so that a Q.C. inspector can be sent to the manufacturers' plant to be present during the construction and testing of the valves. The Department will bear all expenses incurred by the PWD inspector. At least 4 weeks prior to final assembly, the manufacturer shall contact the Department and furnish a detailed work schedule that includes expected shop testing and shipping dates.

Contact:  
Edgar Navera Supervisor, Q.C. Staff  
Philadelphia Water Department  
Materials Engineering  
Central Laboratory Facility  
"O" and Hunting Park Sts.  
(215) 685-1449

4. **AWWA Standard:** Butterfly Valves (including operator) shall be in accordance with AWWA C-504, and as modified herein.
5. **Operating Conditions:** Butterfly valves shall be class 150B and shall be suitable for buried service and designed for the following operating conditions with flow in both directions:
  - Maximum shut off pressure 150 psi
  - Maximum velocity for 16" 15 fps
  - Maximum velocity for 20" 15 fps
  - Maximum velocity for 24" 15 fps
  - Maximum velocity for 30" 15 fps
  - Maximum velocity for 36" 15 fps
  - Maximum velocity for 48" 13 fps
6. **Directions of Closing:** Furnish valves which close when operating nut is turned in a counter-clockwise direction (viewed from above).
7. **Direction of Closing:** Furnish valves with cast iron valve bodies in accordance with ASTM A-126, Class B.
8. **Casting Markings:** Furnish valves with the following information cast into or welded on the valve body's circumference: manufacturer's name/initials; years of manufacture; size; rated working pressure; and "PWD". The size of the letters for the year for "PWD" and the year of manufacture shall be two (2) inches in height and be raised one eighth (1/8) inch. All other information shall be one (1) inch in height and be raised eighth (1/8) inch. The manufacturer's name and year of manufacture shall be located at the top of the valve to facilitate retrieval of this information after the valve has been installed.
9. **MJ Ends:** Furnish MJ valves with integrally cast mechanical joint ends conforming to AWWA C-110 and ANSI A-21.11. Furnish approved retainer glands for all mechanical joints. Retainer glands for valves up to 16" shall have a 350 psi rating. Retainer glands for valves 20" and larger shall have a rating of 250 psi.
10. **Valve Seats:** Furnish valves with the rubber seats in the body or on the disc. For valves 30" and larger, seats shall be field adjusted and replaceable in accordance with AWWA C-504.

11. **Valve Disc:** Furnish valves with discs made of either cast iron conforming to ASTM A48-Class 40, ductile iron conforming to ASTM A536-grade65-45-12 or of stainless steel type 316 and which are offset to provide an uninterrupted 360 degree seating edge. Furnish on the circumference of the disc, a seating edge of a sturdy design which has been proven to be resistant to both wear and corrosion. The seating edge material shall either be stainless steel, type 316 or a material of equal quality. Furnish only stainless steel fasteners to attach the shaft and disc together.
  
12. **Valve Shaft:** Furnish valves with turned, ground, and polished stainless steel shafts of diameters in accordance with Table 3 of AWWA C-504, Class 150B. Use stainless steel in accordance with ASTM A-276, Type 304. Furnish only stainless steel fasteners to attach the shaft and disc together.
  
13. **Stuffing Box:** This requirement has been deleted.
  
14. **Valve Operators:** Furnish horizontal shaft valves with manual operators, nut operated, for buried service, to close in the direction specified in Paragraph 6. Operators shall conform to the applicable requirements of AWWA C-504 and to the specific requirements stated herein. Operating nut shall be standard AWWA 2 inch square. Furnish operators in a housing which is 90% packed with grease and watertight under pressure to at least 10 psi. The blend of grease shall be tested and appropriate for storage in outdoor temperatures.

Furnish operators with the rated torque capability to seat, unseat, and hold in any intermediate position, without creeping or fluttering, the valve disc it controls under the operating conditions specified. Furnish operators designed for a differential shut-off pressure of 150 psi. All components of the operator must withstand, without damage, an input torque of 300 ft.-lbs. At the operating nut when either in the fully open or closed position.

All fasteners used to secure the operator's appurtenances, including spur gears, AWWA stops, and housing covers, and to attach the operator to the valve body shall be type 304 stainless steel. The manufacturer shall indicate a method of assuring the fasteners will not loosen during the shipping process. This method may be through the use of a thread locker or lock washer.

The setting and adjustment of the operator's position limit stops shall be performed by the valve manufacturer.

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The operator shall be the traveling nut design or the worm gear design which meets the following applicable specifications. At the time of purchase, the Water Department will indicate which arrangement the manufacturer shall furnish.

- A. Worm Gear Operators:** Worm gear operators shall be H-BC manual operators manufactured by Limatorque Corporation, Lynchburg, VA. Furnish operators with a spur gear attachment and AWWA input shaft stops. Valves shall be furnished with the unit size, spur gear ratio, and number of turns specified herein:

	OPERATOR UNIT	SPUR GEAR RATIO	NUMBER OF TURNS
16" & 20"	H1BC	2.86:1	50
24" & 30"	H3BC	2.86:1	50
36"	H4BC	12.0:1	180
48"	H5BC	12.0:1	195

An adapter plate suitable for buried service shall be furnished to allow the worm gear operator to be mounted on the manufacturer's valve. This adapter is considered an important component of the valve assembly and therefore will be subjected to the same review and approval as the other parts of the valves. Attention is directed to Section 22. Shop Drawing Review concerning this matter.

- B. Traveling Nut Operators:** Furnish operator of the traveling nut type which are self locking and that have adjustable mechanical stops at both the open and closed position. Furnish valves with manual operators that have a total number of input turns within five turns of that specified in this document (See Chart). Furnish operators with the specified valve operation for the first five degrees that the valve disc is opened from its seat so that there can be the identical valve operation for the reloading of the same size water main.

**TRAVELING NUT OPERATION: STANDARDIZED INPUT TURNS VS. VALVE  
 ANGLE FOR 0° - 5°**

<b>SIZE (INCH)</b>	<b>INPUT TURN (#)</b>	<b>ANGLE OF DISC OUT OF SEAT (degrees)</b>	<b>NUMBER OF TOTAL TURNS (+/-5)</b>
<b>16</b>	<b>1</b>	<b>0.8+/-</b>	<b>28</b>
	<b>2</b>	<b>1</b>	
	<b>3</b>	<b>3</b>	
	<b>4</b>	<b>4.5</b>	
	<b>5</b>	<b>6.5</b>	
	<b>6</b>	<b>8.5</b>	
	<b>7</b>	<b>11</b>	
<b>18 &amp; 20</b>	<b>1</b>	<b>0.2+/-</b>	<b>40</b>
	<b>2</b>	<b>0.3+/-</b>	
	<b>3</b>	<b>0.7+/-</b>	
	<b>4</b>	<b>1</b>	
	<b>5</b>	<b>2</b>	
	<b>6</b>	<b>3</b>	
	<b>7</b>	<b>4</b>	
	<b>8</b>	<b>5</b>	
<b>24 &amp; 30</b>	<b>1</b>	<b>0.1+/-</b>	<b>44</b>
	<b>2</b>	<b>0.3+/-</b>	
	<b>3</b>	<b>0.5+/-</b>	
	<b>4</b>	<b>1</b>	
	<b>5</b>	<b>1.5</b>	
	<b>6</b>	<b>2</b>	
	<b>7</b>	<b>3</b>	
	<b>8</b>	<b>4</b>	
	<b>9</b>	<b>5</b>	

**TRAVELING NUT OPERATION: STANDARDIZED INPUT TURNS VS. VALVE ANGLE FOR 0° - 5°**

<b>SIZE (INCH)</b>	<b>INPUT TURN (#)</b>	<b>ANGLE OF DISC OUT OF SEAT (degrees)</b>	<b>NUMBER OF TOTAL TURNS (+/-5)</b>
<b>36</b>	<b>1</b>	<b>0.4+/-</b>	<b>136</b>
	<b>3</b>	<b>1</b>	
	<b>6</b>	<b>2</b>	
	<b>8</b>	<b>3</b>	
	<b>10</b>	<b>4</b>	
	<b>13</b>	<b>5</b>	
<b>42 &amp; 48</b>	<b>1</b>	<b>0.3+/-</b>	<b>215</b>
	<b>5</b>	<b>1</b>	
	<b>9</b>	<b>2</b>	
	<b>13</b>	<b>3</b>	
	<b>17</b>	<b>4</b>	
	<b>20</b>	<b>5</b>	

- 15. Street Level Over Torque Protector:** Furnish valves equipped with an Aunspach valve over torque protector. The Aunspach over torque protector (Model D-86-250) shall disengage automatically if torque in excess of 220 foot-pounds is applied when either opening or closing the valve. It should automatically reset when torque is reduced to pre-set level. The over torque protector shall be configured with a 2 inch AWWA nut at the top for valve key operation, and socket at the bottom to fit over top a 2 inch square AWWA nut. The over torque protector shall have a shaft extension which is configured as shown on the attached drawing. Vendor's design shall be submitted for approval.

The shaft extension shall be type 304 stainless steel with a 2 inch square AWWA operating nut and socket bottom. The shaft's operating nut shall be held in place by a shear pin. The solid stainless steel shear pin shall be 3/16 of an inch in diameter, annealed and cold worked so as to shear at a 250 foot-pounds torque. The shaft's bottom socket shall be field adjustable to allow for field cutting of the shaft length. Furnish shafts lengths unless otherwise specified.

Furnish a standard PWD 7 inch cast iron valve box to house the over torque protector within the roadway. The valve box shall also extend down around the shaft and set on the valve operator in such a manner so that no foreign matter can collect between the pipe and the shaft.

Over torque protector manufactured by:

Aunspach Controls Company  
1897 McKelvey Hill Drive, Suite 301  
St. Louis, Missouri 63043  
Phone (314) 576-7587

- 16. Coatings General:** The surfaces of iron and carbon steel shall be coated as herein specified or as approved. The surfaces to be coated shall be sand blasted in accordance with the requirements of the Steel Structures Painting Council Surface Preparation Specification No. 10-Near White Blast Cleaning, SSPC-SP10.

There shall be strict adherence to the manufacturer's directions for surface preparation and application of coatings. All coatings must be shop applied at ambient temperature 60 degrees Fahrenheit and above. Coatings shall not be baked but shall be allowed to dry or cure in a controlled environment at temperatures between 60 and 120 degrees Fahrenheit.

The Coating film shall not contain any bare spots, blisters, or cracks, and shall be uniformly deposited without runs or sags. The coating shall be worked into angles and crevices formed by joining members.

All coating materials shall be delivered to the manufacturer's shop in original, unbroken and unopened containers plainly marked with name, brand and analysis of the product, and the name of the manufacturer. Maximum storage time of the coating material shall be one year but in no case shall old or outdated material be used on the work. Should any coating be damaged or found unsatisfactory, such coating shall be removed to the extent directed and the affected surface again be prepared, recoated and retested.

**17. Valve Coatings:**

**17.1 Exterior Surfaces:** Coat exterior surfaces with an approved asphalt varnish conforming to Federal Spec. TT-V-15C and in accordance with AWWA C-504. Non-machined surfaces shall be coated to a thickness of 16 mils. Apply as many coats of the manufacturers' suggested coating thickness to achieve the specified thickness.

**17.2 Interior Surfaces:** Coat all interior surfaces of the valves except for stainless steel surfaces, with epoxy that resists corrosion, bacterial attack, and blistering. Use an approved epoxy coating which meets NSF Standard 61 and which is in accordance with AWWA D102. Apply one smooth coat to machined surfaces, spot faces, and bolt holes. Non-machined surfaces shall be coated to a dry film thickness of 16 mils. Apply as many coats of the manufacturers' suggested coating thickness to achieve this specified thickness.

After curing, the interior coating shall not be easily chipped or peeled by penetration with a knife point and the supplier shall touch up all spots damaged by such knife point tests.

The completed interior coating shall be given an electrical flaw detection test in accordance with the recommendations of the manufacturer of the coatings as approved by and under the direction of the Engineer. All damaged or unsatisfactory areas shall be repaired and retested until they are approved

**18. Operator Coatings:**

**18.1 General:** Coating of assembled valve operators will not be permitted. The supplier shall furnish a coating procedure for each component. The intent of this coating procedure is to provide for disassembly of the equipment without the cracking and breaking away of paint that has bridged and sealed the mating parts.

The following applicable individual components of each operator shall be coated and cured prior to assembly:

- 1-Housings
- 2-Housings Covers
- 3-Housings for AWWA Stops
- 4-Housing Covers for AWWA Stops
- 5-Housing for Spur Gear Attachment
- 6-Any other external mating parts

**18.2 Exterior Surfaces:** The operator's exterior shall be coated with an approved asphalt varnish conforming to Federal Spec. TT-V-15C and in accordance with AWWA C-504. Non-machined exterior surfaces shall be coated to a thickness of 16 mils. Apply as many coats of the manufacturers' suggested coating thickness to achieve the specified thickness.

**18.3 Interior Surfaces:** The interior surfaces of the housings for all components of the operator shall be coated with one the following processes.

1. Glyptal Series 1201 Red Enamel with a dry film thickness of 3 mils.
2. An epoxy coating which meets NSF Standard 61 and which is in accordance with AWWA D102. Apply one smooth coat to machined surfaces, spot faces, and bolt holes. Non-machined surfaces shall be coated to a dry film thickness of 16 mils. The epoxy coating shall be given an electric flaw detection test in accordance with the coating manufacturers recommendation as approved by the Engineer.

For either process, apply as many coats of the manufacturers' suggested coating thickness to achieve the specified thickness.

- A. Worm Gear Operators:** Furnish worm gear operators with Glyptal Series 1201 Red Enamel interior coating.
- B. Traveling Nut Operators:** Furnish traveling nut operators with epoxy interior coating

**19. Exterior Fasteners:** Furnish valves with stainless steel, type 304, exterior fasteners on the valve body and the operator.

**20. Testing:** Furnish valves tested in accordance with Section 5.2, of the Rubber-Seated Butterfly Valves, ANSI/AWWA Standard C504 (most recent revision), *PWD's Quality Certification Standard SIP 93/02 for butterfly valves (24 inch and Larger Diameter)*, and the requirements of the following paragraphs. Certified copies of proof of design tests performed on prototype valves of the type specified, as described in AWWA C504 Section 5.2.4, shall be furnished to the Engineer.

After assembly, the valves shall be tested with air pressure for bubble tightness at 150 psi differential across a closed disc. Two such tests shall be made for each valve, one with the air pressure on the upstream side of the disc and the second with the air pressure on the downstream side of the disc. Bubble tightness is required in both directions. Duration of all tests shall be not less than ten minutes.

As an alternative to the air pressure test, the valve may be given a 150 psi hydrostatic leakage test. Two such tests shall also be made, one with hydrostatic pressure on the upstream on the upstream side of the disc and the second with the hydrostatic pressure on the downstream side of the disc. During this test, the valve shall be droptight. Duration of each test shall not be less than ten minutes.

With the disc in the open position, the valve body shall be subjected to a 300 psi hydrostatic test for a duration of fifteen minutes. During this test, there shall be no leakage through the metal, the end joints, or the shaft seal, nor shall any part be permanently deformed.

The valves shall be shop adjusted to insure proper operation. The operator shall be installed on the valve prior to the shop adjustment.

- 21**            **Shipping:** The valves shall be complete in all respects when shipped. The manufacturer shall use care in preparing them for shipment so that no damage, due the manufacturer's negligence, will occur in handling or transit. All parts shall be drained of water. The disc shall be placed just off a closed position.

The valves shall be banded to skids in such a manner as to prevent damage in subsequent handling.

All unpainted steel and iron machined surfaces shall be coated with a protective slushing compound.

Fullface flange protectors of waterproof plywood or weather resistant pressboard, of at least the diameter of the flange OD, shall be fastened to each flange to protect both it and the valve interior.

- 22.**            **Shop Drawing Review:** If the manufacturer has not previously furnished the specified valves, he shall submit Shop Drawings to the Water Department for approval prior to the start of assembly. Shop Drawings shall show all dimensions, all types of material used, and shall identify each part of the complete valve assembly. Submit Shop Drawings to:

Stephen J. Furtek, P.E.  
Chief, Design Branch  
Philadelphia Water Department  
ARAMARK Tower, 2<sup>nd</sup> Floor  
1101 Market Street  
Philadelphia, PA 19107-2994

After the Shop Drawings have been approved, the manufacturer shall furnish three sets of O&M manuals containing the instructions for the operation and maintenance of the valves. The manuals shall clearly indicate the valves to which it applies, including manufacturer, model number, size, serial number, and year of manufacture. Once Shop Drawings have been approved by the Water Department, it will not be necessary for the manufacturer to submit drawings on future orders for valves to be used in the City of Philadelphia as long as the valves to be supplied conform to the previously approved Shop Drawings. However, if the manufacturer has modified the design of any portion of the valve assembly he must submit new Shop Drawings which reflect that change.

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With the incorporation of worm gear operators into this specification, manufacturers who have approved shop drawings for valves supplied to the City in the past will be required to submit only those drawings which detail the operator assembly and the adapter when such an arrangement is specified.

Attention Bidder:

This bid document may not contain all of the documents that you will need to complete the bid submission. On occasion, it is not possible to include the following:

**Exhibits**

**Drawings**

**Attached specifications**

**Attached documents**

If you have not received a corresponding attachment, drawing or exhibit that is referenced in the bid document you may obtain it by contacting the Public Information Unit at 215-686-4720.

## TERMS AND CONDITIONS OF BIDDING AND CONTRACT

### 1. PREPARATION AND SUBMISSION OF BID.

All bids must be written in ink or typewritten and made on the forms issued and signed in ink by a person with legal authority to bind the bidder. This Invitation and Bid and any contract awarded hereunder shall include, without limitation, the Invitation and Bid, all addenda thereto issued by the Procurement Department and these Terms and Conditions of Bidding. It is the sole responsibility of the bidder to ensure that it has received any and all addenda and the Procurement Commissioner may in his/her sole discretion reject any bid for which all addenda have not been executed and returned in accordance with the instructions provided therein. No bid may be considered if received after the date and time for the opening of bids established by this Invitation and Bid, nor may any bid be modified after that date and time. The time of bid opening shall be the time displayed on the City's official bid clock. In the event of any discrepancy between actual time and the City's official bid clock, the latter shall determine the time of bid opening.

**2. SPECIFICATIONS.** When a formal, numbered, specification is referred to in this Invitation and Bid, no deviation therefrom will be permitted and the bidder will be required to furnish articles and/or services in conformity with that specification. When catalogues, model numbers, trade names, or cuts are listed in this Invitation and Bid, they are, unless otherwise specified, included for the purposes of furnishing bidders with information concerning the style, type or kind of article and /or service desired. A bidder may offer an article and/or service which he/she certifies to be equal or better in quality, performance and other essential characteristics. If submitting an alternate the bidder must specify the alternate (e.g., make and model #) in the bid and submit with the bid a complete description of the article (including any technical literature) and/or service proposed to be furnished. Failure to do so, will require the bidder to furnish the article and/or service specified in the Invitation and Bid. The Procurement Commissioner reserves the sole right to determine whether alternates offered are equal or better. Unless otherwise provided in the bid specifications, all items offered by the bidder must be new. A "new" item is one which will be used first by the City. This clause shall not be construed to prohibit bidders from offering goods, supplies, equipment or materials containing recycled materials or printing with recycled content; bidders intending to provide goods made with recycled materials should notify the Procurement Department.

**3. PAYMENT FOR EQUIPMENT.** Unless otherwise provided in the bid specifications, when equipment involves installation, (which shall also be interpreted to mean erection and/or setting up or placing in position for service or use) and/or testing, and where such installation or testing is delayed, payment may be made on the basis of 50% of the price bid when such equipment is delivered on site. A further allowance of 25% may be made when the equipment

is installed and ready for test. The balance shall be paid only after the equipment is tested and found to be satisfactory by the City. If the equipment must be tested, but installation is not required to be made by the supplier or if the equipment must be installed but testing is not required, payment may be made on the basis of 75% at the time of delivery and the balance shall be paid after satisfactory testing and/or installation as required.

**4. TYPES OF BIDDER RESTRICTED.** Bidders must not be a party to more than one bid for the same article or service. A violation of this condition may, in the sole discretion of the Procurement Commissioner, result in rejection of any or all such bids in which the bidder is interested.

**5. QUANTITIES AWARDED.** For requirements contracts only, the articles and quantities of such articles as set forth in the Invitation and Bid are estimates and the Procurement Commissioner, in his/her sole discretion, may make an award for all or some of the articles bid and in such quantities as the Procurement Commissioner shall deem appropriate. For firm limit contracts, it is the City's intent to award based upon the quantities set forth in the Invitation and Bid, but the City reserves the right to award more or less.

**6. TAX EXEMPTION.** The City of Philadelphia is exempt from the payment of any federal excise or transportation taxes and any Pennsylvania Sales Tax. The price bid must be net, exclusive of taxes. However, when under established trade practice any federal excise tax is included in list prices, bidder may quote the list price and shall show separately the amount of the federal tax, either as a flat sum or as a percentage of the list price, which shall be deducted by the City. In the event bidder pays any sales or use tax, bidder hereby assigns to City, or City's agent, all of its rights, title and interest in any sales or use tax which may be refunded as a result of the purchase of any articles furnished in connection with the contract and bidder, unless directed by the City, shall not file a claim for any sales or use tax refund subject to this assignment. Bidder authorizes the City, in City's name or the name of bidder, to file a claim for refund of any sales or use tax subject to this assignment.

**7. PRICE INCREASES AND DISCOUNTS.** All articles must be delivered at the price(s) bid, FOB Destination Point. Bids containing reservations of the right to increase the price(s) bid, including, but not limited to, late payment charges, will not be considered, except where the Procurement Commissioner, in his/her sole discretion, finds it in the City's best interest to do so. Discounts offered for payment may be a factor in the awarding of bids only in the event of tie bids. (In the event of an absolute tie the award decision will be made in the best interest of the City as determined by the Procurement Commissioner in his/her sole discretion.) Discounts must be for a period of at least 15 days to be so considered. Discounts offered shall be assumed to be from gross price unless otherwise indicated.

8. **BID SECURITY.** Unless the bidder is properly covered under the City's Annual Master Bid Security Program or an individual bid bond is required in the Invitation and Bid, all bids must be accompanied by a Certified Check, Treasurer's Check, Cashier's Check, Bank Money Order or United States Postal Money Order made payable to the order of "The City of Philadelphia" in the proper amount as shown below:

AMOUNT OF BID OR EST. CONTRACT	AMOUNT OF CERTIFIED CHECK
\$ 25,000.00 or less	No Check Required
\$ 25,000.01- \$ 99,999.99	\$ 500.00
\$ 100,000.00 - \$ 249,999.99	\$ 2,000.00
\$ 250,000.00- \$ 499,999.99	\$ 4,000.00
\$ 500,000.00 or more	\$ 6,000.00

When computing amount of Bid for Certified Check purposes, do NOT deduct for trade-ins.

Any bid in excess of \$500,000 is not covered by the Annual Master Bid Security Program and bidder must submit a Certified Check, Treasurer's Check, Cashier's Check, Bank Money Order or United States Postal Money Order made payable to the order of "The City of Philadelphia" in the required amount.

Once the lowest responsive and responsible bidder has been determined, the Procurement Department shall refund, with the exception of the fee paid for participation in the City's Annual Master Bid Security program, the bid security except the bid security of the lowest responsive and responsible bidder. Upon return of the duly executed contract documents, required fees and the furnishing of any required bonds or other performance security by the lowest responsive and responsible bidder, its bid security will be refunded.

9. **PERFORMANCE SECURITY.** The City of Philadelphia requires performance security for contracts greater than \$25,000. If the amount of the contract to be awarded is greater than \$25,000 but less than or equal to \$500,000, the successful bidder is required to participate in the City's Master Performance Security Program by paying to the City a non-refundable fee of \$5.00 per thousand dollars of the contract amount for firm limit contracts and \$4.00 per thousand dollars of the contract amount for requirements contracts, or as otherwise specified. If the amount of the contract to be awarded is in excess of \$500,000 the successful bidder is required to furnish an individual performance bond, issued by a surety approved by the City on a form prepared by the City's Law Department and in the amount specified in the notice of contract award. The successful bidder is also required to pay a bond preparation fee to the City's Law Department in an amount prescribed by Chapter 17-700 of The Philadelphia Code; a schedule of such fees may be obtained from the Procurement Department's Public Information Office.

10. **CANCELLATION AND AWARD.** The Procurement Commissioner, in his/her sole discretion, may cancel any Invitation and Bid prior to bid opening. After bid opening, the Procurement Commissioner, in his/her sole discretion, may reject all bids, if deemed in the best interest of the City.

In all cases where a contract award is made by the Procurement Department, the bidder is bound by the terms and conditions of the Invitation and Bid upon the submission of its bid. All bids are valid for a period of not less than 60 days, or as otherwise specified in the Invitation and Bid. If the bid has not been awarded within the specified period of time, the bid shall be valid for subsequent award only upon the express consent of the bidder, with no change to the submitted bid. All contract awards shall be made by the Procurement Department upon written notice to the bidder that is determined by the Procurement Department to be the lowest responsive and responsible bidder.

11. **RESPONSIVENESS.** Subject to the right of the Procurement Commissioner to waive nonresponsiveness as set forth below in this Section, these Terms and Conditions of Bidding and the specifications and requirements included in this Invitation and Bid are mandatory and must be strictly followed by all bidders in the preparation and submission of its bids. After bids are opened, the Procurement Department, and other City departments or agencies where appropriate or specified, shall review all bids for responsiveness to these Terms and Conditions of Bidding and the specifications and requirements included in this Invitation and Bid.

Any bid which is incomplete, obscure, conditional, or unbalanced, which contains additions not called for, or irregularities of any kind, including alterations or erasures, or which fails to conform in any respect to these Terms and Conditions of Bidding and the specifications and requirements included in this Invitation and Bid is nonresponsive and shall be rejected, except where the Procurement Commissioner, in his/her sole discretion, determines that the nonresponsiveness is not material to the Invitation and Bid or that a waiver of the nonresponsiveness is otherwise permitted by this Invitation and Bid, by these Terms and Conditions of Bidding or by law. The Procurement Department's determination of nonresponsiveness shall be final and any bid rejected as nonresponsive shall not be eligible for contract award.

12. **RESPONSIBILITY.** Unless otherwise specified, after bids are opened the Procurement Department, and other City departments or agencies where appropriate or specified, shall review and may investigate the responsibility, including, but not limited to, the qualifications, references, capacity and ability to perform the contract resulting from this Invitation and Bid in accordance with its terms, and integrity, of the lowest responsive bidder. All determinations of bidder responsibility shall be vested in the sound discretion of the Procurement Commissioner and other City officials. Any bidder who is deemed not responsible shall be ineligible for award of the contract.

Bidders deemed not responsible will be notified of such determination and the reasons therefore in writing by the Procurement Department, and shall have the right to contest the determination by submitting to the Procurement Department, within forty-eight (48) hours after receipt of its written determination, a written request for reconsideration that includes information relating to the bidder's

qualifications and responsibility and demonstrating the insufficiency of the reasons stated in the written determination for finding the bidder not responsible. Any further determination of a contesting bidder's responsibility shall be vested in the sound discretion of the Procurement Commissioner and other City officials.

13. **CONTRACTS.** Awards of contracts in amounts less than or equal to \$25,000 shall become contracts binding upon the City upon written notice of award by the Procurement Commissioner. Awards of contracts in amounts greater than \$25,000 shall not become contracts binding upon the City until after written notice of award is made and until after all of the following conditions have been satisfied:

- a. Successful bidder posts sufficient Performance Security, as required in the Invitation and Bid, within the time specified in the written notice of award;
- b. Successful bidder posts a Labor and Materials Bond, if and as required by the Invitation and Bid, within the time specified in the written notice of award;
- c. Approval of the contract as to form by the City's Law Department;
- d. Certification by the Director of Finance and City Controller as to the availability of funds; and
- e. Execution of the contract by the Procurement Commissioner.

The Procurement Commissioner may, in his/her sole discretion, cancel any contract award if any of the above conditions (a-e) are not satisfied, or if the Procurement Commissioner, in his/her sole discretion, determines cancellation to be in the best interests of the City. The bidder agrees that in the event of such cancellation, it shall not have any claim against the City, including any claim for breach of contract or of any other legal duty, or for lost profits, costs, damages, or expenses of any kind.

14. **INSURANCE.** Unless otherwise specified, the successful bidder (referred to in this Section as "contractor") shall, at its sole cost and expense, procure and maintain in full force and effect, during the entire period of the contract (including any applicable warranty and/or renewal periods) the minimum types of insurance specified below. All insurance shall be procured from reputable insurers authorized to do business in the Commonwealth of Pennsylvania and shall be acceptable to the City. All insurance required herein shall be written on an "occurrence" basis and not a "claims-made" basis. The City of Philadelphia, its officers, employees and agents are to be named as additional insureds on all policies required hereunder, except the Workers' Compensation and Employers' Liability. Also, an endorsement is required stating that the coverage afforded these parties as additional insureds will be primary to any other coverage available to them. The City's coverage as an additional insured shall be primary coverage. The insurance shall provide for at least thirty (30) days prior written notice to be given to the City in the event coverage is materially changed, canceled or non-renewed. Certificates of insurance evidencing the required coverages shall be submitted to the City within fifteen (15) days of notice of contract award.

The City reserves the right to require the contractor to furnish certified copies of the original policies of all insurance required hereunder at any time upon fifteen (15) days prior written notice. The insurance requirements set forth herein are not intended and shall not be construed to modify, limit, or reduce the indemnifications made in this contract by the contractor to the City or to limit the contractor's liability under this contract to the limits of the policies of insurance required to be maintained by the contractor hereunder.

(a) **WORKERS COMPENSATION AND EMPLOYERS LIABILITY:**

- (1) Workers' Compensation -Statutory limits.
- (2) Employers Liability - \$100,000 Each Accident - Bodily Injury by Accident; \$100,000 Each Employee - Bodily Injury by Disease; \$500,000 Policy Limit -Bodily Injury by disease
- (3) All states endorsement

(b) **GENERAL LIABILITY INSURANCE**

- (1) Limit of Liability: \$1,000,000 per occurrence combined single limit for bodily injury (including death) and property damage liability.
- (2) Coverage: Premises operation; Blanket contractual liability; Personal injury liability (employee exclusion deleted); Products and completed operations; Independent Contractors; Employees as additional insured; Cross liability; Broad form property damage (including loss of use) liability; Asbestos abatement liability coverage (Note: Required for asbestos abatement projects only).

(c) **AUTOMOBILE LIABILITY**

- (1) Limit of Liability: \$1,000,000 per occurrence combined single limit for bodily injury (including death) and property damage liability.
- (2) Coverage: owned, non-owned and hired vehicles.

15. **FAILURE TO EXECUTE CONTRACT.** Any bidder not lawfully released from its bid, who refuses to execute a contract in accordance with its bid or who fails, refuses or is unable to furnish any required bonds, performance security or insurance, as may be required by the Invitation and Bid and/or these Terms and Conditions of Bidding, shall be liable for the entire amount of its bid security, as liquidated damages to the City; or if bid security is furnished under the Annual Master Bid Security Program, for 10% of the amount of its bid, as liquidated damages to the City; or where the damages are readily ascertainable by the City, for the actual loss, cost or damage incurred by the City as a result of its failure to execute the contract or to furnish such bonds, performance security or insurance.

16. **DEFAULT.** All work performed and goods and services rendered by a successful bidder (referred to in this Section as "contractor") under any contract resulting from this Invitation and Bid shall strictly conform to these Terms and Conditions of Bidding and the specifications and requirements contained in this Invitation and Bid. The successful bidder shall comply with all federal state and local laws, statutes and ordinances and the regulations of all governmental departments, boards, agencies and commissions. The following shall constitute

events of default under any contract resulting from this Invitation and Bid:

- a. Failure by contractor to comply with any provision or Section of the contract, including the bid specifications contained in this Invitation and Bid and these Terms and Conditions of Bidding and/or failure by contractor to comply with any federal state and local law, statute, ordinance or regulation of any governmental department, board, agency and commission.
- b. Falseness of any representation or warranty made in the contract or other document(s) submitted to the City by contractor in connection with this Invitation and Bid.
- c. Failure by contractor to pay its suppliers or subcontractors, misappropriation of any funds provided under the contract or failure to notify City upon discovery of any misappropriation.
- d. A violation of law by contractor which results in its making a guilty plea, a plea of nolo contendere, or conviction of a criminal offense by contractor, its directors, employees, or agents or indictment or issuance of charges against contractor, its directors, employees or agents for any criminal offense or other violation of law (whether or not the offense or violation of law is ultimately adjudged to have occurred), where such criminal offense, violation, indictment or charges, in the sole judgment of the Procurement Commissioner, adversely affect the performance of the contract.
- e. Failure by contractor to comply with the Mayoral Executive Order establishing the City's antidiscrimination policy relating to the participation of minority, woman and disabled owned disadvantaged business enterprises.
- f. The Procurement Department's determination that the contractor is not a responsible bidder on this Invitation and Bid, where such determination is made, and is based upon, information received after award of the contract and/or after execution of the contract by the Procurement Commissioner and/or after satisfaction of any or all other conditions of a binding contract set forth in Section 13 above.
- g. Any other act or omission identified in these Terms and Conditions of Bidding or elsewhere in the Invitation and Bid as an event or condition constituting default.

Upon the occurrence of an event of default, the Procurement Commissioner, in his/her sole discretion, may require contractor to cure the default within a period of time to be determined by the Procurement Commissioner, or terminate the contract in whole or in part and exercise any one or more of the following remedies (which remedies may be concurrent and shall be in addition to and not in lieu of the remedies available to the City at law, in equity, under any bond(s) filed in connection with the contract or under other sections of these Terms and Conditions of Bidding and contract):

- a. purchase goods and/or services from others in substitution of goods or services that were not furnished or performed by contractor or that were defective or otherwise in violation of any provision of the contract; the cost of such substituted goods and services shall be the sole responsibility of contractor and contractor agrees to pay immediately, upon receipt of the City's invoice, the difference between the contract price and the substituted product or service cost, plus any other loss, cost or damages incurred by the City.

- b. appropriate to the payment of the difference between the contract price and the cost of such substitute goods or services, and the amount of any other loss, cost or damage incurred by the City as a result of the default, any monies which may then be due and payable to contractor under this contract or any other contract that contractor then has with the City.

The City shall notify contractor in writing of such termination, which shall be effective as of the date specified in the notice of termination (the "Termination Date"). The Procurement Commissioner may, in his/her sole discretion, require contractor to continue to furnish all goods and perform all services required under the contract until the Termination Date, in which case, subject to the remedies enumerated above, the successful bidder shall be paid in accordance with the contract therefor. If the City requires contractor to cure the event(s) of default, or to continue to furnish goods or services until the Termination Date, and contractor refuses or fails to do so, then such failure shall itself be deemed an event of default under this Section, for which the City may exercise any of its rights hereunder.

**17. BID PROCESSING FEE.** In addition to bid security and any other fee or monies required to be submitted with the bid, the bid shall be accompanied by a non-refundable processing fee in the form of a separate Standard Check, Bank Money Order or United States Postal Money Order made payable to the order of "City of Philadelphia" in an amount based on the gross amount of the bid in accordance with the formula below. Cash is not acceptable.

AMOUNT OF BID OR ESTIMATED CONTRACT	AMOUNT OF PROCESSING FEE
\$ 25,000.00 or less	No Check Required
\$ 25,000.01 to \$ 100,000.00	\$ 10.00
\$ 100,000.01 to \$ 300,000.00	\$ 30.00
\$ 300,000.01 to \$ 500,000.00	\$ 50.00
\$ 500,000.01 to \$ 1,000,000.00	\$ 100.00
\$ 1,000,000.01 to \$ 2,000,000.00	\$ 200.00
\$ 2,000,000.01 to \$ 3,000,000.00	\$ 300.00
\$ 3,000,000.01 to \$ 4,000,000.00	\$ 400.00
\$ 4,000,000.01 to \$ 5,000,000.00	\$ 500.00
\$ 5,000,000.01 or more	\$ 600.00

Failure to submit the Bid Processing Fee may result in rejection of the bidder's bid. In addition, if a contract award is made pursuant to this Invitation and Bid, any unpaid bid processing fees owed by the successful bidder to the City must be paid prior to the City's release of any payments under the resulting contract.

**18. NONDISCRIMINATION.**

a. Any contract awarded pursuant to this Invitation and Bid is entered into under the terms of the Philadelphia Home Rule Charter and in its performance, bidder shall not discriminate nor permit discrimination against any person because of race, color, religion, national origin or sex. Such discrimination shall constitute an event of default under this contract entitling City to terminate this contract forthwith. This right of termination shall be in addition to any other rights or remedies as provided herein in Section 16 or otherwise available to the City at law or in equity.

b. In accordance with Chapter 17-400 of The Philadelphia Code, bidder agrees that its payment or reimbursement of membership fees or other expenses associated with participation by its employees in an exclusionary private organization, insofar as such participation confers an employment advantage or constitutes or results in discrimination with regard to hiring, tenure of employment, promotions, terms, privileges or conditions of employment, on the basis of race, color, sex, sexual orientation, religion, national origin or ancestry, shall constitute an event of default under this contract and shall entitle the City to all rights and remedies as provided herein in Section 16 or otherwise available to the City at law or in equity. Bidder agrees to include the immediately preceding sentence, with appropriate adjustments for the identity of the parties, in all subcontracts which are entered into pursuant to this contract. Bidder further agrees to cooperate with the Commission on Human Relations of the City of Philadelphia in any manner which the said Commission deems reasonable and necessary for the Commission to carry out its responsibilities under Chapter 17-400 of The Philadelphia Code. Failure to so cooperate shall constitute an event of default under this contract entitling the City to all rights and remedies as provided herein in Section 16 or otherwise available to the City at law or in equity.

**19. ETHICS REQUIREMENTS.** To preserve the integrity of City employees and maintain public confidence in the competitive bidding system, the City intends to vigorously enforce the various ethics laws as they relate to City employees in the bidding and execution of City contracts. Such laws are in three categories:

a. Gifts. Executive Order No. 16-92 prohibits City employees from soliciting or accepting anything of value from any person or entity seeking to initiate or maintain a business relationship with the City of Philadelphia, its departments, boards, commissions and agencies. All City employees presented with gifts or gratuities as indicated in Executive Order 16-92 have been instructed to report these actions to the appropriate authorities. All bidders, agents or intermediaries who are solicited for gifts or gratuities by City employees are urged to report these incidents to the Inspector

General, Aramark Tower, Third Floor, 1101 Market Street, Philadelphia, PA 19107.

b. City employee interest in City contracts. In accordance with Section 10-102 of The Philadelphia Home Rule Charter, no bid shall be accepted from, or contract awarded to, any City employee or official, or any firm in which a City employee or official has a direct or indirect financial interest. All bidders are required to disclose any current City employees or officials who are employees or officials of the bidder's firm, or who otherwise would have a financial interest in the contract.

c. Conflict of Interest. Both the State Ethics Act and the City Ethics Code prohibit a public employee from using his/her public office or any confidential information gained thereby to obtain financial gain for himself/herself, a member of his/her immediate family, or a business with which he/she or a member of his/her immediate family is associated. "Use of public office" is avoided by the employee or official publicly disclosing the conflict and disqualifying himself/herself from official action in the matter, as provided in The Philadelphia Code §20-608.

**20. PATENTS.** The successful bidder shall be solely responsible for all royalties and charges that may be due to any patent holder for or on account of the use of any patented appliance, product or processes. Evidence of such payment shall be submitted upon request of the Procurement Commissioner and failure to submit such evidence may, in the sole discretion of the Procurement Commissioner, result in rejection of the bid or constitute an event of default, entitling the City to all rights and remedies as provided herein in Section 15 and/or Section 16..

**21. INDEMNIFICATION.** All bidders shall indemnify, defend and hold harmless the City, its officers, employees and agents from and against any and all losses, costs (including, but not limited to, litigation and settlement costs and counsel fees), claims, suits, actions, damages, liabilities and expenses, occasioned wholly or in part by the bidder's act or omission or fault or negligence or the act or omission or fault or negligence of bidder's agents, subcontractors (including suppliers), employees or servants in connection with the contract, including, but not limited to, those acts or omissions or faults or negligence in connection with loss of life, bodily injury, personal injury, damage to property, contamination or adverse effects on the environment, the bidder's default under the contract, losses incurred by the City's Master Performance Security Program, failure to pay subcontractors and suppliers and any infringement or violation of any proprietary right (including, but not limited to, patent, copyright, trademark, service mark and trade secret). This obligation to indemnify, defend and hold harmless the City, its officers, employees and agents shall survive the termination of the contract resulting from this Invitation and Bid.

**22. TAX REQUIREMENTS.** Any contractor, or vendor of goods, wares and merchandise, or purveyor of services, who bids on and is awarded a contract by the City and/or School District of Philadelphia, is subject to Philadelphia's business tax and Ordinances and regulations. The City Solicitor has ruled that anyone who is awarded a contract by the City

and/or School District pursuant to a bid has entered into a contract within the City, and the subsequent delivery of goods into the City or performance of services within the City constitutes “doing business” in the City and subjects the successful bidder, including but not limited to, one or more of the following taxes:

- a. Business Privilege Tax
- b. Net Profits Tax
- c. City Wage Tax

The successful bidder, if not already paying the aforesaid taxes, is required to apply to the Department of Revenue, 1401 John F. Kennedy Blvd., Public Service Concourse, Municipal Services Building, Philadelphia, PA 19102, for a tax identification number and to file appropriate business tax returns as provided by law. Questions should be directed to the Business and Earnings Tax Unit at (215) 686-6600.

**23. TAX INDEBTEDNESS.** The City of Philadelphia does not wish to do business with tax delinquents or other businesses indebted to the City. In furtherance of this policy, the following certifications have been developed and shall form a part of any contract resulting from this Invitation and Bid. The successful bidder, or other entity contracting with the City is referred to below as the “contractor”.

a. Contractor’s Certification of Non-Indebtedness - Contractor hereby certifies and represents that contractor and contractor’s parent company(ies) and subsidiary(ies) are not currently indebted to the City of Philadelphia (the “City”), and will not at any time during the term of this contract (including any extensions or renewals thereof) be indebted to the City, for or on account of any delinquent taxes (including, but not limited to, taxes collected by the City on behalf of the School District), liens, judgments, fees or other debts for which no written agreement or payment plan satisfactory to the City has been established. In addition to any other rights or remedies available to the City at law or in equity, contractor acknowledges that any breach or failure to conform to this certification may, at the option of the City, result in the withholding of payments otherwise due to contractor and, if such breach or failure is not resolved to the City’s satisfaction within a reasonable time frame specified by the City in writing, may result in the offset of any such indebtedness against said payments and/or the termination of this contract for default (in which case Contractor shall be liable for all costs, losses and other damages resulting from the termination).

b. Subcontractor’s Certification of Non-Indebtedness - Contractor shall require all subcontractors performing work in connection with this contract (“subcontractor” shall also include suppliers providing goods or materials) to be bound by the following provision and contractor shall cooperate fully with the City in exercising the rights and remedies described below or otherwise available at law or in equity:

“Subcontractor hereby certifies and represents that subcontractor and subcontractor’s parent company(ies) and subsidiary(ies) are not currently indebted to the City of

Philadelphia (“City”), and will not at any time during the term of contractor’s contract with the City (the “contract”), including any extensions or renewals thereof, be indebted to the City, for or on account of any delinquent taxes (including, but not limited to, taxes collected by the City on behalf of the School District of Philadelphia ), liens, judgments, fees or other debts for which no written agreement or payment plan satisfactory to the City has been established. In addition to any other rights or remedies available at law or in equity, subcontractor acknowledges that any breach of or failure to conform to this certification may, at the option of the City, result in the withholding of payments otherwise due to subcontractor for services rendered in connection with the contract and, if such breach or failure is not resolved to the City’s satisfaction within a reasonable time frame specified by the City in writing, may result in the offset of any such indebtedness against said payments otherwise due to subcontractor and/or the termination of subcontractor for default (in which case subcontractor shall be liable for all costs, losses and other damages resulting from the termination).”

**24. ASSIGNMENT.** The successful bidder shall not assign the contract resulting from this Invitation and Bid, or any part of the contract, or any right to any monies to be paid under the contract, or delegate performance of the contract, without obtaining the prior written consent of the Procurement Commissioner. The decision whether to consent to an assignment is within the Procurement Commissioner’s sole discretion. In no case shall the Procurement Commissioner’s consent to the assignment of any monies to be paid under the contract relieve the bidder from faithful performance of any of its obligations under the contract or change any of the terms and conditions of the contract. Any purported assignment in violation of this provision shall be of no effect.

**25. MACBRIDE PRINCIPLES CERTIFICATION.** Section 17-104(2)(b) of The Philadelphia Code prohibits the City from accepting bids from companies that do business in Northern Ireland, unless that business has implemented the fair employment principles embodied in the Macbride Principles. In furtherance of this Ordinance, bidder makes the following certification and representations:

a. In accordance with Section 17-104 of the Philadelphia Code, bidder by execution of its bid certifies and represents that (i) bidder (including any parent company, subsidiary, exclusive distributor, or company affiliated with Bidder) does not have, and will not have at any time during the term of any contract resulting from this bid (including any extensions thereof), any investments, licenses, franchises, management agreements or operations in Northern Ireland and (ii) no product to be provided to the City under any resulting contract will originate in Northern Ireland, unless Bidder has implemented the fair employment principles embodied in the MacBride Principles.

b. In the performance of any contract resulting from this bid, Bidder agrees that it will not utilize any suppliers or subcontractors at any tier (i) who have (or whose parent subsidiary, exclusive distributor of company affiliate have)

any investments, licenses, franchises, management agreements or operations in Northern Ireland or (ii) who will provide products originating in Northern Ireland unless said supplier or subcontractor has implemented the fair employment principles embodied in the MacBride Principles. Bidder further agrees to include provisions with this subparagraph (b), with appropriate adjustments for the identity of the parties, in all subcontracts and supply agreements which are entered into in connection with the performance of any resulting contract.

c. Bidder agrees to cooperate with the City's Director of Finance in any manner which the said Director deems reasonable and necessary to carry out the Director's responsibilities under Section 17-104 of The Philadelphia Code. Bidder expressly understands and agrees that any false certification or representation in connection with this subparagraph (c) and/or any failure to comply with the provisions of this subparagraph (c) shall constitute a substantial breach of any contract resulting from this Invitation and Bid entitling the City to all rights and remedies provided in this bid or otherwise available in law (including, but not limited to Section 17-104 of the Philadelphia Code) or at equity. In addition, it is understood that false certification or representation is subject to prosecution under 18 Pa.C.S. Section 4904.

**BIDDER MUST SIGN BID on  
Page 8 of 8 of Conditions of Bidding**

## SIGNING OF BIDS

This contract consists of the Invitation and Bid (including exhibits and attachments), any addenda thereto issued by the City and the foregoing Terms and Conditions of Bidding (collectively, the "contract") and contains all the terms, conditions and requirements agreed upon by the parties. The terms "contract" and "agreement," whether capitalized or uncapitalized, shall have the foregoing meaning wherever they are used in the Invitation and Bid, addenda thereto, the Terms and Conditions of Bidding, and this page. No other contract or agreement, oral or otherwise, regarding the subject matter of the contract shall be deemed to exist or to bind any party hereto or to vary any of the terms contained in the contract.

This contract may not be changed, amended or renewed, in whole or in part, except by a written amendment signed by the parties. No waiver by the City of any breach or noncompliance by the undersigned with any provision of this contract shall relieve the undersigned of any of its obligations or representations made under this contract.

This contract and all disputes arising under this contract shall be governed, construed and decided in accordance with the laws of the Commonwealth of Pennsylvania. The parties agree that any lawsuit, action, claim or legal proceeding involving, directly or indirectly, any matter arising out of or related to this contract or the relationship created or evidenced thereby, shall be brought exclusively in the United States District Court for the Eastern District of Pennsylvania or the Court of Common Pleas of Philadelphia County. It is the express intent of the parties that jurisdiction over any lawsuit, action, claim, or legal proceeding shall lie exclusively in either of these two forums. The parties further agree not to raise any objection to any lawsuit, action, claim or legal proceeding which is brought in either of these two forums and the parties expressly consent to the jurisdiction and venue of these two forums. The parties further agree that service of original process in any such lawsuit, action, claim or legal proceeding may be duly effected by mailing a copy thereof, by certified mail, postage prepaid to the addresses specified in the Invitation and Bid and/or this page.

**NOTE: ANY BID THAT IS NOT EXECUTED IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BELOW OR THAT DOES NOT INCLUDE STREET ADDRESS, CITY, STATE AND PHONE NUMBER, MAY, IN THE SOLE DISCRETION OF THE PROCUREMENT COMMISSIONER, BE REJECTED.**

### SIGNING OF BIDS:

If bid is by an **INDIVIDUAL** or a **PARTNERSHIP**, or if the bid does not exceed \$25,000, date and sign the bid here, with original signatures, in ink.

This \_\_\_\_\_ day of \_\_\_\_\_ 200\_\_

\_\_\_\_\_  
(Signature of Owner, Partner)

\_\_\_\_\_  
(Type or Print Name and Title)

\_\_\_\_\_  
(Business Name of Bidder)

\_\_\_\_\_  
(Address, including Zip Code)

\_\_\_\_\_  
(Telephone Number, including Area Code)

If bid is by a **CORPORATION**, date and sign the bid here with original signatures, in ink, by (a) President or Vice-President of the corporation AND (b) Secretary, Assistant Secretary, Treasurer or Assistant Treasurer of the corporation; and (c) affix the seal of the corporation. If the form is not signed by the President or a Vice-President and Secretary, Assistant Secretary, Treasurer or Assistant Treasurer, attach a duly certified corporate resolution authorizing the person signing in place of such officers to execute this bid for the corporation.

This \_\_\_\_\_ day of \_\_\_\_\_ 200\_\_

**CORPORATE SEAL**

\_\_\_\_\_  
(Corporate or Business Name of Bidder)

\_\_\_\_\_  
(Address, including Zip Code)

\_\_\_\_\_  
(Telephone Number, including Area Code)

\_\_\_\_\_  
(Signature of President or a Vice-President)

\_\_\_\_\_  
(Signature of Secy., Asst.Secy., Treas. or Asst.Treas.)

\_\_\_\_\_  
(Type or Print Name and Title)

\_\_\_\_\_  
(Type or Print Name and Title)

APPROVED AS TO FORM

CONTRACT EXECUTION

\_\_\_\_\_  
(Asst. City Solicitor)

\_\_\_\_\_  
(Acting Procurement Commissioner)



# **CITY OF PHILADELPHIA**

## **INSTRUCTIONS FOR GETTING PAID**

### **BY THE CITY OF PHILADELPHIA**

The City attempts to process invoices in a timely manner. Delays can occur because of incomplete or inaccurate invoicing information. Please make sure that all your invoices contain the following information to help the City in paying you as quickly as possible.

- 1. AFTER THE DELIVERY OR SERVICES HAS BEEN COMPLETED YOU MUST SUBMIT THREE (3) COPIES OF AN INVOICE FOR PAYMENT TO THE RECEIVING DEPARTMENT LISTED ON THE PURCHASE ORDER.**
- 2. THE INVOICE MUST CORRECTLY REFERENCE THE PURCHASE ORDER NUMBER, THE VENDOR NAME, ADDRESS AND FEDERAL EMPLOYER IDENTIFICATION NUMBER.**
- 3. CHECKS WILL ONLY BE MADE PAYABLE TO THE COMPANY NAME AS SHOWN ON THE PURCHASE ORDER; THE INVOICE MUST REFLECT THIS SAME COMPANY NAME AS THE "PAY TO".**
- 4. THE INVOICE MUST SHOW THE QUANTITY AND TYPE OF ITEM OR SERVICE AND THE PRICE.**
- 5. THE UNIT OF PURCHASE ON THE INVOICE MUST AGREE WITH THE UNIT CITED ON THE PURCHASE ORDER. REFERENCE TO THE SPECIFIC LINE ITEM IS HELPFUL.**

Paying vendors is the responsibility of the *receiving* City Department(s), not the Procurement Department. Vendors should bring any problems concerning payments to the attention of the appropriate City receiving department. The name and number of the contact person can generally be found on the purchase order. If all necessary paperwork has been submitted to the department and questions still remain, vendors should contact:

**City of Philadelphia  
Accounting Verification  
Room 1340 Municipal Services Building  
1401 J.F.K. Blvd.  
Philadelphia, PA 19102  
Tel. 215 686 6365**

**VENDORS INTERESTED IN RECEIVING PAYMENTS ELECTRONICALLY MUST COMPLETE AN ACH VENDOR ENROLLMENT AND CHANGE FORM. THIS FORM CAN BE DOWNLOADED FROM [WWW.PHILA.GOV/BIDS](http://WWW.PHILA.GOV/BIDS).**

# **BIDDERS GUIDELINES\***

The following list will assist you in the preparation of your bid.

- Read the entire bid so that you fully understand all the requirements.
- All bids must be submitted to the City no later than the time and date stated as the bid opening.
- Note the City Anti-Discrimination Policy. If Minority Business Council Participation is required be sure to fill out all appropriate forms. If you have questions call MBEC at (215) 686-6232.
- Make sure you submit the appropriate Bid Security and Bid Submission Fee with your bid. Refer to Section 1 of the bid and the Conditions of Bidding sheet.
- Bidder must meet **all** qualifications.
- If an alternate to any item is being offered, you must follow the instructions in paragraph 2 of the Conditions of Bidding sheet.
- Does the bid require a site inspection, attendance at a Pre-Bid Meeting, samples, financial information or other data you must provide?
- Have you signed and returned all Addenda?
- If the bid is going to be awarded as a whole, you must bid on all items. See Section 3 of the bid: Bid Evaluation and Award.
- Bidders' attention is directed to the Conditions of Bidding sheet regarding the Master Performance Bond.
- Bids and pricing must be written in ink or typed. FAXed bids will not be accepted.
- **Do not** submit counter terms or conditions. **Your bid will be rejected**.
- Have you signed the Contract Page and affixed your Corporate Seal as required?
- **Do not** combine check amounts: All checks should be individual and specific.
- Please double check all mathematical calculations for errors.

**If you have questions call Public Information at (215) 686-4720.**

\*This information is provided for guidance only and does not preclude your responsibility to read fully and respond to all portions of this bid.



**CITY OF PHILADELPHIA  
PROCUREMENT DEPARTMENT  
Public Information Unit**

**ATTENTION VENDORS**

If your company would like to receive the results of a particular bid, the Public Information Unit of the Procurement Department will forward this information to you at a **fee of \$10.00** for **each** bid number requested. Please be advised that bid tabulations **are not available** by telephone. If you have any questions, Please call 215-686-4755 or 215-686-4756.

**BID RESULTS REQUEST FORM**

Please complete form below. Only one (1) request per form.

**PLEASE NOTE INCREASED FEE**      Date of Request: \_\_\_\_\_

Bid Number Requested: \_\_\_\_\_      Opening Date: \_\_\_\_\_

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

Company Representative: \_\_\_\_\_

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

Telephone No.: \_\_\_\_\_      Fax No.: \_\_\_\_\_

**Mail this Request to the address below and enclose the following items:**

- Check or Money Order payable to “**City of Philadelphia**”
- A self-addressed stamped envelope which is at least 9 ½ ” x 12 ½ ” or larger for each Bid requested.

**Failure to send either of the above items, will void your request.**

Mail Request To:  
The Procurement Department Public Information Unit  
Attention: Bid Results  
1401 JFK Blvd.  
Room 170B  
Philadelphia, PA 19102

**DO NOT SEND CASH**



# CITY OF PHILADELPHIA

Procurement Department  
120 Municipal Services Building  
Philadelphia, PA 19102-1685  
(215) 686-4720  
(215) 686-4716 Fax

Janet Hagan  
Acting Procurement Commissioner

## Master Bid Security Program for Service, Supplies and Equipment Bids Period of Coverage: July 1, 2006 – June 30, 2008

**(Bids for Professional Consulting Services, Public Works, Construction and Demolition [wrecking and building removal] are not covered under the Master Bid Security Program)**

Dear Vendor:

The Philadelphia City Charter requires that each bid submission over \$25,000 be accompanied by a certified check in the amount specified in the bid invitation. This requirement can be met for most bids if the Bidder is covered under the City's Master Bid Security Program. This program provides bid security coverage for Service, Supply and Equipment bids that have a total dollar value of over \$25,000 up to \$500,000.

To file for coverage under the Bid Security Program, for the period **July 1, 2006 to June 30, 2008**, complete the enclosed application and return it with a check for **\$175.00**. Make the check payable to "City of Philadelphia". It is **non-refundable**. To clarify the precise use of the check, enter the words "**Bid Security Program**" **2006 – 2008** on the face of the check.

If you do not become a participant in the program at this time, you may still submit bids. However, they must be accompanied by a certified check in the amount specified in the Terms and Conditions of Bidding.

For additional information or inquiries regarding this program, please contact: The Public Information Unit at (215) 686-4719, (215) 686-4720 or (215) 686-4721.

IF A RECEIPT IS REQUESTED, PLEASE ENCLOSE A SELF-ADDRESSED STAMPED ENVELOPE.

Forward Check with Application to  
CITY OF PHILADELPHIA  
**MASTER BID SECURITY PROGRAM**  
170A Municipal Services Building  
Philadelphia, PA 19102-1685

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

Fed EIN/SSN: \_\_\_\_\_

Street Address \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Telephone No: (\_\_\_\_) \_\_\_\_\_ Fax No: (\_\_\_\_) \_\_\_\_\_

A. Check payable to the City of Philadelphia in the amount of \$175.00 for 7/1/06 to 6/30/08  
(NO PERSONAL CHECKS)

*Internal Use Only*

Rcvd. \_\_\_/\_\_\_/\_\_\_ Pymt. Type \_\_\_\_\_ Ck. Amt. \$ \_\_\_\_\_ Ck.# \_\_\_\_\_



# CITY OF PHILADELPHIA

PROCUREMENT DEPARTMENT  
120 Municipal Services Building  
Philadelphia, Pa 19102-1685  
(215) 686-4750  
FAX (215) 686-4728

JANET HAGAN  
Acting Procurement Commissioner

December 1, 2006

Dear Vendor:

Effective **February 1, 2007**, the City of Philadelphia, Procurement Department, will be implementing the following change regarding vendors' Bid Security Checks.

Checks submitted with bids for Bid Security will be deposited by the City of Philadelphia. Vendors original bid security checks will no longer be returned. Instead, the City will issue a check to those vendors, in the amount of the security deposit, after the contract award and/or contract conformance.

The City of Philadelphia will continue to enroll interested Service, Supplies and Equipment vendors in the Master Bid Security Program. To participate in the program, vendors can obtain an application by going to [www.phila.gov/bids](http://www.phila.gov/bids) and clicking on July 1, 2006 to June 30, 2008 under Master Bid Security.

Sincerely,

Janet Hagan  
Acting Procurement Commissioner



# C I T Y O F P H I L A D E L P H I A

Office of the Director of Finance  
Room 1330, Municipal Services Bldg.  
1401 John F. Kennedy Boulevard  
Philadelphia, PA 19102-1693

Vincent Jannetti  
Director of Finance

The City of Philadelphia is pleased to announce a Vendor Information Payment System (VIPS) which will allow businesses such as yours to inquire about the status of invoices billed against purchase orders and professional services contracts. The only requirement is that your invoices utilize a unique number - either alpha, numeric or a combination of the two.

This system will be operational twenty four hours a day, seven days a week. All you have to do is dial **215-686-5968**, and follow the prompts to get an up to date status on your payments.

Enclosed for your convenience is an easy to use reference guide which provides a brief overview of what you can expect. I urge you to give it a try and see for yourself how easy it is to use. If you should happen to experience any problems, or if you would like to comment on this system, please call the Office of the Director of Finance at **215-686-6167**.

I believe that you will find this way of obtaining payment information convenient and easy to use.

# Vendor Information Payment Reference Guide

- 1- Call 215-686-5968.
- 2- After the prompts, enter the 8 numeric characters that uniquely identifies your purchase order.
- 3- Select one of the three inquiry options:
  - ▶ a) by your purchase order.
  - ▶ b) by your company.
  - ▶ c) by your specific invoice number.
    - (Numeric invoice numbers only)



# CITY OF PHILADELPHIA

OFFICE OF THE DIRECTOR OF FINANCE  
Room 1330 Municipal Services Building  
1401 John F. Kennedy Boulevard  
Philadelphia, PA 19102-1693

Dear Valued Vendor,

The City of Philadelphia is pleased to announce a new online Vendor Invoice Information (VII) website which will allow businesses such as yours to inquire about the status of invoices billed against purchase orders and professional services contracts. The only requirement is that your invoices utilize a unique number - alpha, numeric or a combination of the two.

This system will be operational twenty four hours a day, seven days a week. All you have to do is log on to the City of Philadelphia's website: [www.phila.gov](http://www.phila.gov), click on Vendor Invoice Information under the Help Me Section of the home page, enter your Federal Employer Identification Number (FEIN) and a valid active purchase order. Then, agree to a waiver statement and follow the prompts to get an up to date status on your payments.

I urge you to give it a try and see for yourself how easy it is to use. If you should happen to experience any problems, or if you would like to comment on this new system, please e-mail us using the question and comment field provided on the site.

I believe that you will find this new way of obtaining payment information convenient and easy to use.

Sincerely,

A handwritten signature in black ink, appearing to read 'Vincent J. Jannetti'.

Vincent J. Jannetti  
Acting Director of Finance