



SPECIFIC SPECIFICATIONS AND SPECIAL CONDITIONS

EVENT # 4269 FIRE HYDRANTS & REPAIR PARTS

- 4.0 The purpose of these specifications is to describe the annual requirements for fire hydrants: three-way, 4 ½ inch valve opening hydrants and repair parts, to be ordered as needed for the use of the City of Savannah's Water and Sewer Bureau.

To submit pricing electronically for this event, enter pricing for each line item shown under the lines tab on the event summary. To enter pricing manually, complete the attached bid proposal form.

4.2 **Detailed Specifications:**

4.2.1 Classifications:

4.2.1.1 3-1/2 ft. bury, mechanical end

4.2.1.2 4-1/2 ft. bury, mechanical end

4.3 **Requirements - Hydrants:**

4.3.1 General: Fire hydrants shall be manufacturer's current model, design, and construction. All units to be complete, including joint assemblies. Hydrants must have been marketed for at least five (5) years and bidder must provide a list of at least five (5) municipalities where hydrants have been in service and have provided satisfactory performance.

4.3.2 Repair Parts: Successful bidder must insure that an adequate parts inventory is maintained to repair hydrants. Bidder must contact the Water Distribution Superintendent on at least a quarterly basis (every three (3) months) to ensure that parts inventory is adequate.

4.3.3 Materials: Physical characteristics and compositions of various metal used in fire hydrant components shall meet the requirements as specified in American Water Works Association Specification C502-73 or latest revision thereof; shall comply with NSF (National Science Foundation) 61; and shall be UL (United Laboratories) approved.

4.3.4 Bonnet: May have oil filled or dry reservoir. If oil filled, bonnet must have "O" ring packing so that all operating parts are enclosed in a sealed oil bath. Oil filler plug shall be provided in bonnet to permit checking of oil level and adding oil when required. If dry type, hydrant top must have lubricating hole or nut for ease of lubrication. All parts must be removed through top of hydrant by removing bottom section only. Any hydrant requiring removal of barrel sections will not be accepted.

4.3.5 Nozzles: Hydrants shall have two (2) 2-1/2" connections, and one (1) 4-1/2"

- steamer connection, national standard threads. Nozzles are to be bronze and have interlocking lugs to prevent blowout.
- 4.3.6 Nozzle Caps: Nozzle caps shall be secured to hydrant with non-kinking type chain with chain loop on cap ends to permit free turning of caps.
- 4.3.7 Seat Ring: Seat ring to be bronze-to-bronze.
- 4.3.8 Drain Valves and Openings: Positive-operating drain valves shall be provided to assure drainage of fire hydrants when the main is closed. Drain openings shall have bronze bushings.
- 4.3.9 Main Valve: Valve shall be designed to close with the pressure and remain closed. Valve to be made from material that will resist rocks or other foreign matter. Main valve plate will be either A) One piece, incorporating both valve plate and cap/stop nut, manufactured entirely of brass, or B). Two piece with valve plate being cast iron, ductile iron, or brass, with a brass cap/top nut separate from the valve plate. Main valve shall be EPDM rubber.
- 4.3.10 Safety Flange: Hydrant shall be designed with safety flanges and/or bolts to protect the barrel and stem from damage, and to eliminate flooding when hydrant is struck or knocked off by vehicular equipment or other objects.
- 4.3.11 Operating Stop: Hydrant shall have positive stop feature to permit opening of hydrant without over travel of stem. Operating stop will be located at the bottom of the hydrant by means of a cap nut/stop nut on the end of the valve stem or other acceptable means.
- 4.3.12 Operating Nut: Operating nut shall be bronze, 1-1/2" pentagon, point to flat.
- 4.3.13 Bolts and Nuts: Bolts and nuts shall be stainless steel corrosion-resistant.
- 4.3.14 Inlet: Bottom inlet of hydrant shall be provided with mechanical joint connection as specified, and shall be 6-inch nominal diameter.
- 4.3.15 Bury Markings: Bury depth of fire hydrant shall be cast on barrel of hydrant.
- 4.3.16 Direction of Opening: Hydrants shall be designed to close "right" or "clockwise", and open "left" or "counter-clockwise".
- 4.3.17 Coatings: All portions of hydrant, inside and outside, except exterior above ground level shall be coated with two (2) coats of asphalt varnish applied in accordance with AWWA Specification C-502-05. **NOTE: The exterior portion shall be painted with two (2) coats of best grade YELLOW PAINT.**



4.3.18 Joint Assemblies: Complete joint assemblies consisting of flange with ductile iron megalug connection, gasket, bolts, and nuts shall be furnished when hydrants with mechanical joint inlets are specified.

4.3.19 Hydrants are to have full 4 ½" valve opening and 6" mechanical joint ends.

4.4 Quality Assurance Provisions

4.4.1 Inspection: Hydrants furnished under this specification shall be subject to inspection and approval by the City's inspector or engineer, and if required, shall have full access to manufacturer's facilities for inspection and observation of tests. Manufacturer may also be required to furnish the City with an affidavit of compliance with specifications covering all materials and test procedures relating to construction of the hydrants.

4.4.2 Hydrostatic Test: All hydrants shall be subjected to a hydrostatic test of 300 psi in accordance with AWWA Specification C502-05 or latest revision thereof.

4.5 **Requirements - Hydrant Repair Parts:** Bidders shall submit repair parts pricing for the hydrant manufacturer submitted. The City also desires pricing for repair parts for other hydrant manufacturers which are in the City's inventory.

4.5.1 Traffic Repair Flanges

4.5.2 Lower and upper operating rods

4.5.3 Main valve assembly

4.5.4 Safety Couplings

4.5.5 O Ring and Gasket Kits

4.5.6 12" and 6" extensions for existing City hydrants

4.6 Bid prices must remain firm for the duration of the contract.

4.7 Quantities stated in these specifications are based on prior usage and are **estimates only**.

4.8 All pricing should include freight.

4.9 **Basis of Award:** This contract will be awarded to the vendor that offers the lowest net price to the City, and who meets or exceed all specifications herein. The City



reserves the right to split the award if deemed to be in its best interest. The City also reserves the right to appoint a primary and secondary vendor if deemed advantageous.

5.0 **General Specifications:**

5.1 The bid response must include the following documents in this order.

- Bid Proposal
- Exception Sheet
- Non-Discrimination Statement
- Proposed Schedule of MWBE Participation
- Other requested submittals as stated

All referenced documents must be completed and returned in their entirety to constitute a complete bid.

5.2 Bids may be submitted manually to the address listed in the bid documents or electronically via the supplier portal in sufficient time to ensure receipt by the Purchasing Department on or before 1:30 P.M. on the date specified in the web page listing for this event. Requested documentation may be attached to the bidder's response. A supplier guide for assistance in submitting responses can be found by clicking on the Important Documents tab of the Purchasing SavEPro webpage at <http://www.savannahga.gov/index.aspx?NID=590>

5.3 To submit and be awarded a bid; bidders must be registered as a bidder on the City of Savannah's website at www.savannahga.gov.

5.4 **Bidders must provide the manufacturer and part number of each item bid in the space provided on the bid form.**

5.5 Original invoices shall be mailed to:

City of Savannah
Accounts Payable Dept.
P.O.1027
Savannah, GA 31402

5.6 The successful vendor must have the following items on every invoice to the City:
A) The exact description of the purchased item as described in this contract,
B) The unit price of the item, and
C) The total of the invoice.

5.7 Vendor is responsible for determining and acknowledging any addenda issued in connection with this bid solicitation.

5.8 Bidder acknowledges that by submitting a bid for the specified Event, it is waiving any right to insist upon the inclusion of any exculpatory provisions in the parties' contract. The City will not enter into any contract that contains exculpatory provisions in favor of Bidder.



- 5.9 This is an annual contract and prices are to be held firm for a period of one (1) year (12 months). This agreement may be renewed for up to two (2) additional twelve (12) month periods, if all contracting parties so agree and services provided by the vendor have been satisfactory.



BID PROPOSAL FORM

(SUBMIT AS THE COVER SHEET)
SUBMIT A MINIMUM OF TWO COPIES

City of Savannah Purchasing Department
3rd Floor, City Hall
P. O. Box 1027
Savannah, Georgia 31402
ATTN: Purchasing Director

EVENT NUMBER: 4269

Business Location: (Check One)

- Chatham County
- City of Savannah
- Other

ALL BIDDERS MUST BE REGISTERED VENDORS ON THE CITY'S WEBSITE. PLEASE REGISTER AT WWW.SAVANNAHGA.GOV.

Name of Bidder: _____

Street Address: _____

City, State, Zip Code: _____

Phone: _____ Fax: _____

Email: _____

DO YOU HAVE A BUSINESS TAX CERTIFICATE ISSUED IN THE STATE OF GEORGIA?

(CHECK ONE) YES: _____ NO: _____

FROM WHAT CITY/COUNTY _____

TAX CERTIFICATE #: _____ FED TAX ID #: _____

INDICATE LEGAL FORM OF OWNERSHIP OF BIDDER (STATISTICAL PURPOSES ONLY):

**CHECK ONE: _____ CORPORATION _____ PARTNERSHIP
_____ INDIVIDUAL _____ OTHER (SPECIFY: _____)**

INDICATE OWNERSHIP STATUS OF BIDDER

(CHECK ONE):

- NON-MINORITY OWNED
- AFRICAN AMERICAN
- HISPANIC
- WOMAN (non-minority)
- ASIAN AMERICAN
- AMERICAN INDIAN
- OTHER MINORITY (describe) _____

Do you plan to subcontract any portion of this project? Yes _____ No _____

If yes, please complete the attached schedule of M/WBE participation. Also complete the schedule if you will be using any M/WBE suppliers.



THE UNDERSIGNED PROPOSES TO FURNISH THE FOLLOWING ITEMS IN STRICT CONFORMANCE TO THE BID SPECIFICATIONS AND BID INVITATION ISSUED BY THE CITY OF SAVANNAH FOR THIS BID. ANY EXCEPTIONS ARE CLEARLY MARKED IN THE ATTACHED COPY OF BID SPECIFICATIONS.

ITEM NO	DESCRIPTION	ESTIMATED QUANTITY	MANUFACTURER & MODEL #	UNIT PRICE	TOTAL
1	Cast Iron Fire Hydrants 3-1/2 ft. Bury	40 each	Mfr.& Model #:		
2	Cast Iron Fire Hydrants 4-1/2 ft. Bury	12 each	Mfr.& Model #:		
	Traffic Repair Flanges				
3 a.	Mueller	15 each	Mueller #:		
3 b.	AVK	15 each	AVK #:		
3 c.	Clow	15 each	Clow #:		
3 d.	American Darling	15 each	American Darling #:		
3 e.	M & H	15 each	M & H #:		
	Lower and Upper Operating rods				
4 a.	Mueller	15 each	Mueller #:		
4 b.	AVK	15 each	AVK #:		
4 c.	Clow	15 each	Clow #:		
4 d.	American Darling	15 each	American Darling #:		
4 e.	M & H	15 each	M & H #:		
	Main Valve Assembly				
5 a.	Mueller	15 each	Mueller #:		
5 b.	AVK	15 each	AVK #:		
5 c.	Clow	15 each	Clow #:		
5 d.	American Darling	15 each	American Darling #:		
5 e.	M & H	15 each	M & H #:		



ITEM NO	DESCRIPTION	ESTIMATED QUANTITY	MANUFACTURER & MODEL #	UNIT PRICE	TOTAL
	Safety couplings				
6 a.	Mueller	25 each	Mueller #:		
6 b.	AVK	25 each	AVK #:		
6 c.	Clow	25 each	Clow #:		
6 d.	American Darling	25 each	American Darling #:		
6 e.	M & H	25 each	M & H #:		
	Complete O Rings and gasket kit for upper barrel and bonnet				
7 a.	Mueller	15 each	Mueller #:		
7 b.	AVK	15 each	AVK #:		
7 c.	Clow	15 each	Clow #:		
7 d.	American Darling	15 each	American Darling #:		
7 e.	M & H	15 each	M & H #:		
8	6" extensions for existing hydrants	25 each	Mfr.& Model #:		
9	12" extensions for existing hydrants	18 each	Mfr.& Model #:		

Total Bid: _____

PAYMENT TERMS: PLEASE CHECK ONE AND FILL IN BLANKS
 (Minimum of 10 working days must be allowed for discount to be considered in bid award)

___ Less ___ % ___ Days Prompt Payment Discount (if offered)

(_____)

___ Net - 30 Days (no discount offered)

- 0 -

TOTAL NET BID

\$ =====



TIME REQUIRED FOR DELIVERY AFTER RECEIPT OF ORDER: _____ DAYS

CONFIRM RECEIPT OF ANY ADDENDA ISSUED FOR THIS BID:

ADDENDUM _____ #

DATE _____

I certify this Bid complies with the General and Specific Specifications and Conditions issued by the City except as clearly marked in the attached copy.

Please Print Name

Authorization Signature

Date



EXCEPTION SHEET

If the commodity (ies) and/or services proposed in the response to this bid is in anyway different from that contained in this proposal or bid, the bidder is responsible to clearly identify by specification section number, all such differences in the space provided below. Otherwise, it will be assumed that bidder's offer is in total compliance with all aspects of the proposal or bid.

Below are the exceptions to the stated specifications:

Date

Signature

Company

Title



NON-DISCRIMINATION STATEMENT

The prime contractor / bidder must certify that:

- (1) No person shall be excluded from participation in, denied the benefit of, or otherwise discriminated against on the basis of race, color, national origin, or gender in connection with any bid submitted to the City of Savannah or the performance of any contract resulting therefrom;
- (2) That it is and shall be the policy of this Company to provide equal opportunity to all business persons seeking to contract or otherwise interested in contracting with this Company, including those companies owned and controlled by racial minorities, cultural minorities, and women;
- (3) In connection herewith, we acknowledge and warrant that this Company has been made aware of, understands and agrees to take affirmative action to provide such companies with the maximum practicable opportunities to do business with this Company;
- (4) That this promise of non-discrimination as made and set forth herein shall be continuing in nature and shall remain in full force and effect without interruption;
- (5) That the promises of non-discrimination as made and set forth herein shall be and are hereby deemed to be made as part of and incorporated by reference into any contract or portion thereof which this Company may hereafter obtain and;
- (6) That the failure of this Company to satisfactorily discharge any of the promises of non-discrimination as made and set forth herein shall constitute a material breach of contract entitling the City of Savannah to declare the contract in default and to exercise any and all applicable rights and remedies including but not limited to cancellation of the contract, termination of the contract, suspension and debarment from future contracting opportunities, and withholding and or forfeiture of compensation due and owing on a contract.

Signature

Title



PROPOSED SCHEDULE OF M/WBE PARTICIPATION

All M/WBEs listed **must be certified as a minority-owned or women-owned business** by the City of Savannah or a federally-recognized or state-level certifying agency (such as USDOT, State DOT, SBA 8(a) or GMSDC) that utilizes certification standards comparable to the City of Savannah **prior** to the due date of this bid. **Other business certifications that do not specify majority woman or minority ownership may not be substituted. Proof of M/WBE certification from the certifying agency is required to accompany the bid.** A firm that has submitted an application for M/WBE certification but has **not** been certified is **not** qualified as a certified M/WBE and will not be recognized as such during the City's evaluation process. To expedite verification, please provide accurate phone numbers for all M/WBEs listed and ensure firms understand contact will be made following bid submittal.

Name of Proposer: _____ Event No. _____

Project Title: _____

NOTE: Unless certified through the City of Savannah M/WBE Program, proof of M/WBE certification must be attached for all firms listed.

Name of M/WBE Participant	Name of Majority Owner	Telephone	Address (City, State)	Type of Work Sub-Contracted	Estimated Sub-contract Value	MBE or WBE	Certified? (Y or N)	Certifying Agency? (City of Sav. or Other)
					%			
					%			
					%			
					%			
					%			
					%			

MBE Participation Value: _____ % WBE Participation Value: _____ % M/WBE Participation Value: _____ %

The undersigned will enter into a formal agreement with the M/WBE Subcontractors/Proposers identified herein for work listed in this schedule, conditioned upon executing a contract with the Mayor and Aldermen of the City of Savannah. The Prime's subcontractor that subcontracts work must enter into a formal agreement with the tier subcontractor identified herein for work listed in this schedule. The Prime may count toward the goal any tier of M/WBE subcontractors and/or suppliers that will be utilized in the contract work. However, when an M/WBE subcontracts part of the work, the value of the subcontracted work may **only** be counted toward the goal **if the tier subcontractor is an M/WBE**. Any work an M/WBE firm subcontracts to a non-M/WBE firm **will not count toward the M/WBE goal**. It is the responsibility of the Prime contractor to advise all M/WBEs of this requirement and to ensure compliance by subcontractors.

Joint Venture Disclosure

If the prime bidder is a joint venture, please describe the nature of the joint venture, the level of work and the financial participation to be provided by the Minority/Female joint venture firm in the space provided below.

Joint Venture Firms	Level of Work	Financial Participation

Printed name (company officer or representative): _____

Signature: _____ Date: _____

Title: _____ Email: _____

Telephone: _____ Fax: _____



Developing a Strong M/WBE Participation Plan

Key facts every bidder/proposer needs to know prior to developing their M/WBE Participation Plan:

1. All bidders/proposers must submit a "Proposed Schedule of M/WBE Participation" which identifies the minority and/or woman-owned companies that have agreed to participate in the project if awarded. All companies listed on the form must be certified as either minority-owned and controlled or woman-owned and controlled. The City does not accept a company's "self-identification" as minority or woman-owned.
2. **Proof** of M/WBE certification from the certifying agency is required to accompany the bid; and certification must have been completed by the City of Savannah, a federally-recognized or a state-level certifying agency (USDOT, State DOT, SBA 8(a) or GMSDC) utilizing certification standards comparable to the City of Savannah.
3. The certification must have been approved prior to the due date of this bid. A firm that has submitted an application for certification but has not been certified will not be counted toward the M/WBE goal.
4. The M/WBE Office **will be contacting all M/WBE firms** included in the bidder's M/WBE Plan to confirm each: a) was contacted by the bidder/proposer; b) performs the type of work listed; and c) agreed to participate.
5. To expedite the verification process, bidders/proposers need to: provide accurate phone numbers for all M/WBEs listed; ensure M/WBEs know to expect to be contacted by phone and email; request M/WBEs be accessible during the critical period before bid-opening; and advise M/WBEs that City staff **must** receive the M/WBE's confirmation that the firm agreed to participate in the bid/proposal in order for the prime contractor to receive credit toward their proposed M/WBE participation goals.
6. If a proposed M/WBE cannot be confirmed as certified, performing the type of work described or agreeing to participate, the bidder/proposer will be notified and given a pre-determined period to submit a correction. If an M/WBE still cannot be confirmed or replaced, the proposed percentage of participation associated with the unverified M/WBE firm will **not be counted** and **will be deducted** from the overall proposed M/WBE goal.
7. Any tier of M/WBE subcontractors or suppliers that will be utilized in the contract work may count toward the MBE and WBE goal **as long as the tier subcontractors/suppliers are certified M/WBEs**. Work that an M/WBE subcontracts to a non-M/WBE firm does **not** count toward the M/WBE goal.
8. M/WBEs must perform a "**commercially useful function**" which is the provision of **real and actual work or products**, or performing a distinct element of work for which the business has the skills, qualifications and expertise, and the responsibility for the actual management and supervision of the work contracted.
9. Per the *Proposed Schedule of M/WBE Participation* "the undersigned (bidder/proposer) will enter into a formal agreement with the M/WBE Subcontractors/Proposers identified herein for work listed in this schedule, conditioned upon executing a contract with the Mayor and Aldermen of the City of Savannah." **This signed commitment is taken seriously by the City**, so do not list M/WBEs you do not plan to utilize. Any proposed changes must be pre-approved by the M/WBE Office, be based on legitimate business-related reasons, and still meet the M/WBE participation goals per the City's contract.
10. A bidder who is a certified M/WBE may count toward the goal the portion of work or services on a City contract that is actually performed by the M/WBE, including: the cost of supplies/materials purchased or equipment leased for contract work, fees for bona fide services such as professional or technical services, or for providing bonds or insurance specifically required for the performance of a City contract.
11. If awarded the contract, the MWBE Office **will be reviewing your company's subcontracts, invoices and payment records** to substantiate the completion of work and payment of M/WBEs. If the prime contractor is an M/WBE that is being included in its M/WBE goal, the prime contractor must maintain records **that will be inspected** to prove the portion of work performed, cost of work, and payments to the prime company.
12. Most bids for goods and materials do not have specific MWBE goals established for the contract. If no goals are include in the scope of work or General Specifications, you are not required to submit MWBE participation but encouraged to do so when the opportunity is available. The City maintains this information for statistical purposes only and it is not reflected in the award decision.