



REQUEST FOR BID
Date: 01/11/12
Bid #12-0080

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RETURN BY OPENING TIME TO:
Purchasing Division
RM 100 City Hall
411 West 1st Street
Duluth, MN 55802

FIRE HYDRANTS

Buyer: Dennis Sears
Phone: 218-730-5003
Fax: 218-730-5922

BID OPENING AT 2:00 PM ON Wednesday, February 1, 2012

Note: All bids must be written, signed, and transmitted in a sealed envelope, plainly marked with the bid number, subject matter, and opening date. The City of Duluth reserves the right to split award where there is substantial savings to the city, waive informalities and to reject any and all bids. Bidder should state in proposal if bid is based on acceptance of total order. Sales tax is not to be included in the unit price. Bidder to state freight charges if, proposal is F.O.B. shipping point, freight not allowed. Low bid will not be the only consideration for award of bid. All pages must be signed or initialed by authorized bidder's representative as indicated at the bottom of the page(s) of the request for bid forms.

RETURN BID IN DUPLICATE WITH DUPLICATE DESCRIPTIVE LITERATURE
FOR BID RESULTS, ENCLOSE A SELF-ADDRESSED, STAMPED ENVELOPE WITH BID
WWW.CI.DULUTH.MN.US/CITY/SERVICES/PURCHASING

Designated F.O.B. Point
520 Garfield Ave
Duluth, MN 55802

Tax: Federal Excise Tax Exemption
Account No. 41-74-0056 K

Item No.	Qty	U/OM	Description	Unit Price	Total Price
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Fire Hydrants per the attached list and specifications.

All bids on Waterous- WB67 Pacer Hydrants only. Only Waterous Hydrants needed at this time.

Vendor E-mail Address _____ Freight Charges N/A

Name _____
Addr _____

Total Bid Price _____
(To include any additional pages)

Payment Terms _____

By: _____
(print title)

F.O.B. Point N/A

Delivery Date N/A

(signature) (tele#)

The City of Duluth is an Equal Opportunity Employer

Date: 01/11/12

Bid #12-0080

Item No	Qty	U/OM	Description	Unit Price	Total Price
WB-67-250 only					
01	2	ea 6'	Waterous Pacer Hydrant	_____	_____
02	12	ea 7' 6"	Waterous Pacer Hydrant	_____	_____
03	6	ea 8'	Waterous Pacer Hydrant	_____	_____
04	2	ea 9'	Waterous Pacer Hydrant	_____	_____
05	2	ea 10'	Waterous Pacer Hydrant	_____	_____

(See attached specs)

Note: All Bids on Waterous -WB67 Pacer Hydrants only. Only Waterous Hydrants needed at this time.

Note: Numbers are based on 3 year average. Price per hydrant will be based on complete order, not line item.

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Pipe Size	Steel OD (In.)	Ductile or Cast Iron OD (In.)
2"	2.35 – 2.63	-
3"	3.36 – 3.60	3.73 – 4.00
4"	4.45 – 4.73	4.80 – 5.10
6"	6.56 – 6.96	6.90 – 7.20
8"	8.54 – 8.94	9.05 – 9.45
10"	10.64 – 11.04	11.10 – 11.40
12"	12.60 – 13.00	13.20 – 13.50
16"	-	17.13 – 17.90

10. Tapping Sleeves

(4" though 10" tap on 6" through 30" cast iron, ductile iron or steel mains.) Sleeves shall consist of two sections of heavy welded steel which bolt together on a main pipe and seal against a gasket around the top opening. Flange shall be AWWA C207 Class D, ANSI 150 pound and have recess cavity for mating to a standard tapping valve. Outlet body shall have a 3/4 inch NST test plug. Fitting shall be coated with 12 mil fusion bonded epoxy. Bolts and nuts shall be Type 304 stainless steel. Fitting shall be similar or equal to Rockwell 622 or Ford FTSC Tapping Sleeve, and in the sizes and O.D. ranges specified.

An approved alternate tapping sleeve shall consist of two sections of heavy welded stainless steel which bolt together on a main pipe and seal against a full encirclement gasket. Flange shall be AWWA C207 Class D, ANSI 150 pound suitable for mating to a standard mechanical joint gate valve. Outlet body shall have a 3/4 inch NST test plug. Fitting shall be stainless steel. Bolts and nuts shall be Type 304 stainless steel. Fitting shall be similar or equal to PowerSeal 3490MJ Tapping Sleeve and in the sizes and O.D. ranges specified.

11. Fire Hydrants

Fire Hydrants shall be Waterous Pacer Traffic Model WB67-250 or Mueller Super Centurion 250 conforming to the requirements of AWWA C502 and the following supplemental requirements:

- a. Main Valve Opening – 5 1/4 inches nominal diameter.
- b. Bury Depth – 7 1/2 feet measured from the bottom of the branch pipe connection to the finished ground line at the hydrant.
- c. Upper Standpipe Length – 22 inches or 16 inches with an extension
- d. Nozzles – One steamer connection, 4 1/2 inch (ID), City of Duluth Standard threads, 7 threads per inch and two hose nozzles, 2 1/2 inch (ID), with National Standard Fire Hose Coupling Screw Threads.

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- e. Hydrant operating mechanisms shall be provided with Buna-N “O” ring seals preventing entrance of moisture and shall be lubricated through an opening in the operating nut or bonnet.
- f. The exterior of the hydrant base shall be supplied with an epoxy coating.
- g. Connection shall be a 6 inch mechanical joint with an anchoring tee, tapping tee or tee complete with gland, Cor-Ten or similar low corrosion type bolts, and harnessing lugs. Zinc anode caps conforming to ASTM B-418 shall be installed on the bolts on all mechanical joint fittings. The anode size shall be regular.
- h. Operating and nozzle cap nuts shall be a pentagon, 1-1/2 inches point to face. Operating nut shall have an O-ring or seal ring to keep water and dirt from entering the bonnet. Opening shall be counterclockwise.
- i. Design of hydrant shall allow for removal of the main and waste valve seats without excavating or disturbing the ground.
- j. Portions of City owned hydrants above the ground line shall be primed and painted chrome yellow. Privately owned hydrants shall be primed and painted blue. Coating below the ground line shall be according to standards.
- k. A traffic flange and operating rod coupling shall be located not more than 2 inches above the ground line and be designed so that in the event of an accident or breaking of the hydrant above the ground line, the main valve will remain closed.
- l. Lower flange on the nozzle section shall be the swivel type.
- m. Hydrants shall be provided with outlets for drainage in the base or barrel, or between the base and barrel, unless the Special Provisions require that drain outlets be omitted or plugged.
- n. Bolts and nuts below grade shall be stainless steel.
- o. All drains on hydrants shall be plugged. Hydrant shall have a permanently affixed tag stating “NO DRAIN – Pump After Using.”

12 Valves

Valve sizes ten inches (10”) and smaller shall be gate type. Valves twelve inches (12”) and larger shall be butterfly type exclusively.

13. Gate Valves (10” and smaller only)

Gate valves shall be manufactured and furnished in accordance with an approved pattern and shall conform to the requirements of AWWA C509 or C515 for resilient seated gate valves, and all gate valves must meet such supplementary requirements as may be stipulated in the Contract Drawings or Special Provisions and the provisions hereof. Unless otherwise specified, the valves furnished shall comply with the following supplementary requirements.