



PURCHASING DIVISION
Room 100 City Hall
411 West First Street
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purchasing@duluthmn.gov

CITY OF DULUTH INVITATION TO BID

FIRE HYDRANTS

BID NUMBER: 16-0115

BID OPENING: WEDNESDAY, JANUARY 27, 2016 AT 2:00 PM CST

- All bids must be written, signed, and transmitted in a sealed envelope, plainly marked with the bid number, subject matter, and opening date.
- Bids must be received by the opening date and time in Purchasing, Room 100 City Hall, Duluth, MN 55802
- The City of Duluth reserves the right to waive any informalities in the bids and to reject any and all bids. Low bid will not be the only consideration for award of bid.
- Do not include sales tax in the unit price.
- All bids must be signed by authorized bidder's representative as indicated at the bottom of the page(s) of the invitation for bids.
- Bid results will be posted on the City website after bids have been opened and reviewed.

This bid is for Waterous hydrants only. Fire hydrants shall meet City of Duluth specifications as stated in the 2016 Construction Standards, section 2504.11:

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 – 8 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.
- 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.
- 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. 6 ounce zinc anode caps conforming to ASTM B-418 shall be installed on the bolts on all mechanical joint fittings.
- 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 an outlet 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. All hydrant bolts and nuts below grade shall be 316 stainless steel.
 - o. Mechanical joint bolts shall be as specified elsewhere in this section.

All quantities are estimates only. Pricing must be guaranteed through December 31, 2016.

The City intends to place one large order immediately after award, with possible subsequent smaller order(s) later in the year.

Please provide pricing for both “delivered” and “freight prepaid & add” options.

Ship To: City of Duluth, Public Works & Utilities, 520 Garfield Ave, Duluth, MN 55802

EST 2016 QTY	UOM	Description	Price (w/o freight)	Price Delivered	Standard Lead Time
2	EA	6' WATEROUS PACER HYDRANT			
14	EA	7'6" WATEROUS PACER HYDRANT			
14	EA	8' WATEROUS PACER HYDRANT			
12	EA	8'6" WATEROUS PACER HYDRANT			
4	EA	9' WATEROUS PACER HYDRANT			
4	EA	9'6" WATEROUS PACER HYDRANT			
2	EA	10' WATEROUS PACER HYDRANT			

Signature _____ Date _____

Name/Title _____

Company Name _____

Address _____

City, State, Zip _____

Tel. _____ E-mail _____