



## CITY OF DULUTH INVITATION TO BID

**PROJECT NAME:** PURCHASING DUCTILE IRON WATER MAIN PIPE FOR ST LOUIS COUNTY'S CSAH 9 STREET RECONSTRUCTION PROJECT

**BID NUMBER:** 16-0136

**BID OPENING:** February 10, 2016, AT 2:00 PM

**PROJECT DESCRIPTION:** Furnishing ductile iron water main pipe, valves and fittings to be used in St. Louis County's CSAH 9 Street Reconstruction project schedule to start May 9, 2016.

**QUESTIONS:** Please submit any questions regarding this project via e-mail to [purchasing@duluthmn.gov](mailto:purchasing@duluthmn.gov). Responses will be provided to all interested bidders as an addendum to this solicitation.

The selected supplier will issued a purchase order to furnish the specified materials.

Proposal forms, contract documents, plans and specifications are on file at the following offices: City Engineering Office; Duluth Builder's Exchange; Minnesota Builder's Exchange. Copies of bidding documents may be obtained by purchase from City of Duluth Engineering Department.

### INSTRUCTIONS TO BIDDERS

All bids must be complete, 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 the award where there is a substantial savings to the City, to waive informalities and to reject any and all bids. Bidder must state in their proposal if bid price is based on acceptance of the total order. Do not include sales tax in the unit price. Price may not be the only consideration for bid award. Bids must be firm for a minimum of 60 days.

Bids must be received in Purchasing before 2:00 PM local time on the bid opening date specified on the Invitation for Bids. The City Purchasing Agent or her designee will conduct a public bid opening in Room 100 immediately following receipt of the bids.

No alternatives to the specification will be considered unless specifically requested. Erasures or other changes to the bid must be initialed and dated.

CITY OF DULUTH

Amanda Ashbach  
Purchasing Agent

**BID # 16-00136**  
**PROJECT: PURCHASE DUCTILE IRON WATER MAIN PIPE FOR ST LOUIS COUNTY'S**  
**CSAH 9 (4<sup>TH</sup> STREET) PROJECT**  
**PROJECT NO.: 1360**  
**BID FORM**

ITEM	PRICE
EXHIBIT A (MUST BE RETURNED WITH BID)	\$
	\$
	\$
TOTAL	\$

TOTAL PRICE IN WRITING \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

Name/Title \_\_\_\_\_

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

Address \_\_\_\_\_

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

Tel. \_\_\_\_\_

EXHIBIT A									
BID NO. 16-0136		PROJECT NO. 1360							
PURCHASE DUCTILE WATER MAIN FOR CSAH 9 PROJECT									
	SPEC.								
1	2504.602	24" DI MJ BUTTERFLY VALVE AND BOX				EACH	12		\$ -
2	2504.602	24" DI MJ 45 BEND				EACH	6		\$ -
3	2504.602	24" DI MJ 22.5 BEND				EACH	6		\$ -
4	2504.602	24" DI MJ 12.25 BEND				EACH	6		\$ -
5	2504.602	24" X 6" DI MJ TEE				EACH	10		\$ -
6	2504.602	24" X 8" DI MJ TEE				EACH	2		\$ -
7	2504.602	24" X 24" DI MJ CROSS				EACH	1		\$ -
8	2504.602	24" DI END CAPS				EACH	2		\$ -
9	2504.602	24" X 12" DI MJ REDUCER				EACH	1		\$ -
10	2504.602	12" X 6" DI MJ REDUCER				EACH	1		\$ -
11	2504.602	24" MEGA LUG RESTRAINTS				EACH	84		\$ -
12	2504.603	8" DI WATER MAIN, CLASS 52				LIN FT	160		\$ -
13	2504.603	24" DI WATER MAIN, CLASS 200				LIN FT	2900		\$ -
14	2504.603	V-BIO POLYETHYLENE ENCASEMENT				LIN FT	3060		\$ -
								TOTAL	\$ -

# **SPECIAL PROVISIONS**

**PURCHASE DUCTILE IRON WATER MAIN PIPE FOR  
ST. LOUIS COUNTY'S CSAH 9 (4<sup>TH</sup> STREET) PROJECT**

**City of Duluth, Minnesota  
411 West 1<sup>st</sup> Street  
Duluth, MN 55802**

**City Project No. 1360**

**Bid No. 16-0136**

**Opening Date: February 10, 2016**

**Time: 2:00 PM**

**Place (Submit Bids): Room 100**

SPECIAL PROVISIONS  
City Job Number: 1360  
Bid NO. 16-0000  
Purchase Water Main Pipe For St. Louis County's  
CSAH 9 (4<sup>th</sup> Street) Project  
January, 2016

**CERTIFICATION**

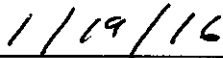
I HEREBY CERTIFY THAT THIS plan, SPECIFICATION or report  
was prepared by me or under my direct supervision and that I am a duly  
Licensed Professional Engineer under the laws of the State of Minnesota.



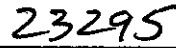
Signature



Typed or Printed Name



Date



License No.

**SPECIAL PROVISIONS**  
**City Job Number: 1360**  
**Bid NO. 16-0000**  
**Purchase Water Main Pipe For St. Louis County's**  
**CSAH 9 (4<sup>th</sup> Street) Project**  
**January, 2016**

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**SPECIAL PROVISIONS**  
**City Job Number: 1360**  
**Bid NO. 16-0000**  
**Purchase Water Main Pipe For St. Louis County's**  
**CSAH 9 (4<sup>th</sup> Street) Project**  
**January, 2016**

**SP-1 NOTICE TO ALL BIDDERS**

The 2016 Edition of the City of Duluth Public Works & Utilities Department/Engineering Division "Construction Standards" book and any addendums or supplements is incorporated by reference and is deemed to be a part hereof as if fully incorporated and set forth herein. The 'Construction Standards' is available on the City website at: <http://www.duluthmn.gov/engineering/standard-construction-specifications/>.

**SP-2 SCOPE OF WORK**

The work includes furnishing ductile iron water main pipe, valves and fittings to be used in the St Louis County's CSAH 9 Street Reconstruction project scheduled to start construction May, 2016.

**SP-3 CONTACT INFORMATION**

Questions regarding this project should be directed to: Mark Guisfredi, P.E., Senior Project Engineer, 218-730-5076.

**SP-4 (1803) PROSECUTION OF WORK**

The materials need to be manufactured and be delivered to the project site May 9, 2016.

**SP-5 (1806) DETERMINATION AND EXTENSION OF CONTRACT TIME**

The Contract Time will be determined in accordance with the provisions of MN/DOT 1806 and the following:

1. Fabrication operations shall be started on or before February 29, 2016 or within ten (10) calendar days after the date of Notice to Proceed, whichever is later.
2. Final Completion. ALL pipe and materials to be delivered to the project site by May 9, 2016.

**SP-6 (1807) FAILURE TO COMPLETE WORK ON TIME**

The provisions of MN/DOT 1807 shall apply in full to both the Substantial Completion Date and the Final Completion Date.

**SP-7 (2504) WATER MAIN AND SERVICE LINE INSTALLATION**

Water main shall be fabricated and furnished in accordance with 2504 Water Main And Service Line Installation of the City's Standard Specification and the following:

**SPECIAL PROVISIONS**  
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**CSAH 9 (4<sup>th</sup> Street) Project**  
**January, 2016**

**SP-7.1 Ductile Iron Pipe**

1. All Ductile Iron pipe shall be SMART certified by the Institute for Market Transformation To Sustainability.
2. The exterior of the pipe shall be coated with a layer of arc-sprayed zinc per ISO 8179. The mass of the zinc applied shall be 200 g/m<sup>2</sup> of pipe surface area. A finishing layer asphaltic topcoat shall be applied to the zinc. The mean dry film thickness of the finishing layer shall not be less than 3 mils with a local minimum of not less than 2 mils. The coating system shall conform in every respect to ISO 8179-1 "Ductile Iron Pipes – External Zinc Based Coating – Part 1: Metallic Zinc With Finishing Layer. Second Edition 2004-06-01."
3. The pipe shall be furnished with push-on-type joints conforming to ANSI/AWWA C111/A-21.11
4. The pressure class rating for the 24" diameter pipe is Class 200.

**SP-7.2 Ductile Iron Fittings**

1. Fittings shall be mechanical joint with rubber gasket.

**SP-7.3 Polyethylene Encasement Materials**

1. Polyethylene encasement shall be V-Bio. V-Bio encasement shall consist of three layers of co-extruded linear low density polyethylene (LLDPE), fused into single thickness of not less than 8 mils. The inside surface shall be infused with a blend of antimicrobial biocide and volatile corrosion inhibitor.

**SP-7.4 Mechanical Joint Bolts**

1. Bolts and nuts shall be furnished and provided in accordance with the City's Standard Specifications and be included as part of the bid item prices.

**SP-7.5 Magnesium Anode And Caps**

1. All fittings and MJ bolts shall have a 5-pound (minimum) magnesium anode and caps and shall be provided as part of the bid items.

**SP-7.6 Pipe School**

1. The pipe manufacturer shall conduct a pipe school on-site before pipe installation begins. The purpose of the school shall be to instruct the various



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**January, 2016**

personnel regarding the proper installation of ductile iron pipeline and polyethylene encasement specified. The cost of the pipe school shall be incidental to supplying the material at no cost to the owner. Topics of discussion are to include: review of the manufacturer's terminology, product identifications, mark numbering system and abbreviations, pipe receiving, unloading, handling and storage, gauged pipe and field cutting, joint assembly and disassembly procedures, pipe re-rounding, field repair of cement lining and proper installation of polyethylene encasement.

**- END -**