



MAYOR & COUNCIL COMMUNICATION

DATE: April 5, 2016
REGULAR
ITEM # 13

AGENDA ITEM: Inwood Water Booster Station Improvements – Accept Bids and Award Contract

SUBMITTED BY: Chad Isakson, Project Engineer

THROUGH: Kristina Handt, City Administrator

REVIEWED BY: Jack Griffin, City Engineer
Cathy Bendel, Finance Director
Mike Bouthilet, Public Works

SUGGESTED ORDER OF BUSINESS:

- Introduction of Item..... City Engineer
- Report/Presentation City Engineer
- Questions from Council to Staff..... Mayor Facilitates
- Public Input, if Appropriate..... Mayor Facilitates
- Call for Motion Mayor & City Council
- Discussion Mayor & City Council
- Action on Motion Mayor Facilitates

POLICY RECOMMENDER: Engineering.

FISCAL IMPACT: \$1,308,404.

Approval of this resolution commits the council to enter into a construction contract for the project with a construction contract amount of \$1,308,404. The improvement will be funded through a combination of the city's water enterprise fund, bonding, and DEED Grant funds.

SUMMARY AND ACTION REQUESTED:

The City Council is respectfully requested to consider accepting contractor bids and awarding a contract for the Inwood Water Booster Station Improvements.

LEGISLATIVE HISTORY/BACKGROUND INFORMATION:

The City Council approved the Plans and Specifications for the Inwood Water Booster Station on January 19, 2016 and authorized staff to advertise the Project for bids. The Project was advertised on QuestCDN.com and in the Oakdale-Lake Elmo Review in accordance with the Minnesota Competitive

Bidding requirements. The improvements include a building structure approximately 40-feet by 28-feet to house pumps, discharge piping, electrical equipment, and chemical feed equipment. The building environment is humid and corrosive due to chemicals, so the general building structure will be a slab on grade with masonry load bearing walls and a protective/water resistant coated ceiling.

Bids were received, publicly opened, and read aloud on March 3, 2016. The City's design consultant has prepared and attached the letter of recommendation for the award of the contract together with the Tabulation of Bids. The City received 3 bids for this project, with Magney Construction, Inc. providing the lowest base bid in the amount of \$1,308,404.

Contractor references for Magney Construction, Inc. were reviewed and verified. The City Engineer and the design consultant are therefore recommending that the Council award the contract to the lowest responsible bidder, Magney Construction, Inc., as outlined in the attached letter.

An alternate bid was taken to install a smaller standby generator that would only run one of the two pumps in the event of a power outage. Based on the savings offered for the smaller generator, Staff's recommendation is to award the contract based on the base bid to maintain the ability for the generator to run both pumps and provide additional flow capacity for fire protection services during a power outage.

The project construction costs are higher than previously presented to council due to the need to include automated chlorination sampling and feed equipment along with the building addition necessary to house this added equipment. During the design phase of the project, the additional equipment was found to be required to maintain proper residual chlorine within the system.

Following the receipt of bids on March 3rd, staff delayed the project award recommendation to review the project with public works, the design consultant and the Minnesota Department of Health to verify the operational needs, design assumptions and to review opportunities to reduce costs. With the operational needs verified through the MDH and Public Works the project is being recommended to be awarded per the Base Bid.

RECOMMENDATION:

Staff is recommending that the City Council approve Resolution No. 2016-23, thereby accepting bids and awarding a contract to Magney Construction, Inc., for the Base Bid in the amount of \$1,308,404 for the Inwood Water Booster Station Improvements. The recommended motion for this action is as follows:

“Move to approve Resolution No. 2016-23, Accepting Bids and Awarding a Contract to Magney Construction, Inc. for the Base Bid in the amount of \$1,308,404 for the Inwood Water Booster Station Improvements.”

ATTACHMENT(S):

1. Resolution 2016-23 Accepting Bids and Awarding a Contract.
2. Engineer's Letter of Award Recommendation and Tabulation of Bids.
3. Project Schedule.

**CITY OF LAKE ELMO
WASHINGTON COUNTY
STATE OF MINNESOTA**

RESOLUTION NO. 2016-23

**A RESOLUTION ACCEPTING BIDS AND AWARDING A CONTRACT
FOR THE INWOOD WATER BOOSTER STATION IMPROVEMENTS**

WHEREAS, pursuant to an advertisement for bids for the Inwood Water Booster Station, bids were received, opened, and tabulated according to law, and bids were received complying with the advertisement; and

WHEREAS, bids were tabulated, checked and summarized to verify that all requirements of the submittals were met; and

WHEREAS, the project engineer reviewed the bids and has provided a letter recommending the award of the contract to the lowest responsible bidder, Magney Construction, Inc. in the amount of \$1,308,404.

NOW, THEREFORE, IT IS HEREBY RESOLVED,

1. The Mayor and City Clerk are hereby authorized and directed to enter into a Contract in accordance with the above ordered Project, in the amount of the Contractor's lowest responsible bid, and according to the plans and specifications thereof approved by the City Council.
2. The City Clerk is hereby authorized and directed to return forthwith to all bidders the deposits made with their bids, except that the deposits of the successful bidder and the next two lowest bidders shall be retained until a contract has been signed.

**ADOPTED BY THE LAKE ELMO CITY COUNCIL ON THE FIFTH DAY OF APRIL
2016.**

CITY OF LAKE ELMO

By: _____

Mike Pearson

Mayor

(Seal)

ATTEST:

Julie Johnson
City Clerk



March 31, 2016

Chad Isakson, Municipal Engineer
Focus Engineering
3880 Laverne Ave N, Suite 175
Lake Elmo, MN 55042

Re: Inwood Water Booster Station

Dear Chad:

Upon review of the bids received on March 3, 2016 for the above-referenced project, it was found that they were submitted by qualified contractors. It is our recommendation that the low responsive bidder listed below be accepted and award made at your next meeting.

Magney Construction
1401 Park Road
Chanhassen, MN 55317

It is our recommendation that the City award the project with a 230 KW Generator Set (Base Bid) for the contract amount of \$1,308,404.00

Sincerely,

MSA Professional Services, Inc.

Chuck Schwartz
Team Leader

sm

Offices in Illinois, Iowa, Minnesota, and Wisconsin

60 Plato Blvd. East, Suite 140 • ST. PAUL, MN 55107-1835
612.548.3132 • 1.866.452.9454 • FAX: 763.786.4574
www.msa-ps.com

BID TABULATION									
PROJECT: Inwood Water Booster Station					PROJECT NUMBER: 09880003				
OWNER: City of Lake Elmo					BID DATE: March 3, 2016				
				Magney Construction, Inc. Chanhassen, MN		Rice Lake Construction Group Deerwood, MN		Municipal Builders, Inc. Andover, MN	
ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE
BASE BID									
	DIVISION 1 - GENERAL								
1.	MOBILIZATION	1	LS	\$ 55,000.00	\$ 55,000.00	\$ 65,000.00	\$ 65,000.00	\$ 45,000.00	\$ 45,000.00
2.	TRAFFIC CONTROL	1	LS	\$ 700.00	\$ 700.00	\$ 1,500.00	\$ 1,500.00	\$ 1,000.00	\$ 1,000.00
3.	SILT FENCE	240	LF	\$ 3.00	\$ 720.00	\$ 5.00	\$ 1,200.00	\$ 3.00	\$ 720.00
4.	CLEARING AND GRUBBING	1	LS	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,500.00	\$ 2,500.00
5.	TEMPORARY ROCK CONSTRUCTION ENTRANCE	1	EA	\$ 1,000.00	\$ 1,000.00	\$ 2,000.00	\$ 2,000.00	\$ 900.00	\$ 900.00
6.	STREET SWEEPING	10	HR	\$ 105.00	\$ 1,050.00	\$ 150.00	\$ 1,500.00	\$ 115.00	\$ 1,150.00
7.	SITE RESTORATION	1	LS	\$ 4,800.00	\$ 4,800.00	\$ 2,500.00	\$ 2,500.00	\$ 6,750.00	\$ 6,750.00
	DIVISION 2 - WATER MAIN								
8.	CONNECT TO EXISTING WATERMAIN AND SERVICE	3	EA	\$ 1,500.00	\$ 4,500.00	\$ 1,200.00	\$ 3,600.00	\$ 1,450.00	\$ 4,350.00
9.	1.5" COPPER WATER SERVICE PIPE	65	LF	\$ 50.00	\$ 3,250.00	\$ 48.00	\$ 3,120.00	\$ 45.75	\$ 2,973.75
10.	12" DUCTILE IRON WATERMAIN PIPE, CLASS 52	100	LF	\$ 120.00	\$ 12,000.00	\$ 86.00	\$ 8,600.00	\$ 107.25	\$ 10,725.00
11.	DUCTILE IRON FITTINGS	344	LB	\$ 16.00	\$ 5,504.00	\$ 6.00	\$ 2,064.00	\$ 15.00	\$ 5,160.00
	DIVISION 3 - STORM SEWER								
12.	10" PVC DRAIN	15	LF	\$ 50.00	\$ 750.00	\$ 32.00	\$ 480.00	\$ 45.50	\$ 682.50
13.	18" RCP STORM SEWER PIPE, CLASS 5	130	LF	\$ 50.00	\$ 6,500.00	\$ 49.00	\$ 6,370.00	\$ 44.50	\$ 5,785.00
14.	18" RCP FLARED END SECTION	1	EA	\$ 1,500.00	\$ 1,500.00	\$ 1,250.00	\$ 1,250.00	\$ 1,060.00	\$ 1,060.00
15.	CATCH BASIN/MANHOLE	2	EA	\$ 3,000.00	\$ 6,000.00	\$ 2,800.00	\$ 5,600.00	\$ 2,900.00	\$ 5,800.00
16.	RANDOM RIPRAP CLASS III (CV)	10	CY	\$ 160.00	\$ 1,600.00	\$ 90.00	\$ 900.00	\$ 155.00	\$ 1,550.00
	DIVISION 4 - DRIVEWAY CONSTRUCTION								
17.	COMMON EXCAVATION (P)	690	CY	\$ 20.00	\$ 13,800.00	\$ 6.00	\$ 4,140.00	\$ 26.55	\$ 18,319.50
18.	SELECT GRANULAR BORROW (P)	110	CY	\$ 25.00	\$ 2,750.00	\$ 15.00	\$ 1,650.00	\$ 25.00	\$ 2,750.00
19.	SUBGRADE PREPARATION	1	LS	\$ 1,400.00	\$ 1,400.00	\$ 500.00	\$ 500.00	\$ 1,255.00	\$ 1,255.00
20.	AGGREGATE BASE CLASS 5	140	TON	\$ 22.00	\$ 3,080.00	\$ 32.00	\$ 4,480.00	\$ 19.20	\$ 2,688.00
21.	TYPE SP 9.5 WEAR COURSE MIX (2,B)	50	TON	\$ 95.00	\$ 4,750.00	\$ 100.00	\$ 5,000.00	\$ 87.00	\$ 4,350.00
22.	4" CONCRETE SIDEWALK	41	SY	\$ 70.00	\$ 2,870.00	\$ 55.00	\$ 2,255.00	\$ 31.00	\$ 1,271.00
23.	SEGMENTAL RETAINING WALL	480	FF	\$ 23.00	\$ 11,040.00	\$ 20.00	\$ 9,600.00	\$ 27.00	\$ 12,960.00
24.	SPLIT RAIL FENCE	120	LF	\$ 17.00	\$ 2,040.00	\$ 15.00	\$ 1,800.00	\$ 14.00	\$ 1,680.00
25.	GUARD POST	3	EA	\$ 350.00	\$ 1,050.00	\$ 300.00	\$ 900.00	\$ 450.00	\$ 1,350.00
26.	6" PERFORATED PVC DRAIN	140	LF	\$ 40.00	\$ 5,600.00	\$ 20.00	\$ 2,800.00	\$ 35.40	\$ 4,956.00
27.	8" INLINE DRAIN	5	EA	\$ 900.00	\$ 4,500.00	\$ 560.00	\$ 2,800.00	\$ 750.00	\$ 3,750.00
28.	ROOF DRAIN CONNECTION	5	EA	\$ 900.00	\$ 4,500.00	\$ 525.00	\$ 2,625.00	\$ 750.00	\$ 3,750.00
29.	DRAINTILE CLEANOUT	1	EA	\$ 900.00	\$ 900.00	\$ 450.00	\$ 450.00	\$ 775.00	\$ 775.00
	DIVISION 5 - BOOSTER FACILITY								
30.	BOOSTER FACILITY (COMPLETE)	1	LS	\$ 762,000.00	\$ 762,000.00	\$ 860,541.00	\$ 860,541.00	\$ 908,534.25	\$ 908,534.25
31.	SCADA INTEGRATION AND SYSTEM IMPROVEMENTS (SCADA CONTRACTOR) ALLOWANCE	1	LS	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00	\$ 30,000.00
32.	PROCESS INSTRUMENTATION AND CONTROL (SYSTEM INTEGRATOR)	1	LS	\$ 215,000.00	\$ 215,000.00	\$ 210,000.00	\$ 210,000.00	\$ 209,817.00	\$ 209,817.00
33.	230 KW GENERATOR SET	1	LS	\$ 105,000.00	\$ 105,000.00	\$ 101,000.00	\$ 101,000.00	\$ 100,248.00	\$ 100,248.00
34.	UTILITY ALLOWANCE (ELECTRIC, NATURAL GAS, TELECOMMUNICATION/DATA)	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
35.	HOLDING TANK AND ASSOCIATED PIPING	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 23,000.00	\$ 23,000.00	\$ 15,860.00	\$ 15,860.00
36.	EROSION CONTROL BLANKET	625	SY	\$ 2.00	\$ 1,250.00	\$ 3.00	\$ 1,875.00	\$ 1.00	\$ 625.00
TOTAL ESTIMATED CONSTRUCTION COST					\$1,308,404.00		\$1,383,100.00		\$1,431,045.00
	ALTERNATE A - 150 KW PORTABLE GENERATOR								
33A.	150 KW GENERATOR SET (DEDUCT)	1	LS	\$ (30,000.00)	\$ (30,000.00)	\$ (28,000.00)	\$ (28,000.00)	\$ (29,286.00)	\$ (29,286.00)

PROJECT SCHEDULE
CITY OF LAKE ELMO

FOCUS ENGINEERING, inc.

Cara Geheren, P.E. 651.300.4261
Jack Griffin, P.E. 651.300.4264
Ryan Stempski, P.E. 651.300.4267
Chad Isakson, P.E. 651.300.4283

INWOOD BOOSTER STATION
PROJECT NO. 2014.129

MARCH 2016

January 21, 2014 Council Orders the Improvement for the Inwood Booster Station and the preparation of Plans and Specifications.

Project was delayed due to delay in receipt of MN-DEED Water System Grant.

February 2, 2016 Council approves Plans and Specifications and orders Advertisement for Bids.

March 3, 2016 Receive Contractor Bids.

April 5, 2016 Council accepts Bids and awards Contract.

April 24, 2016 Conduct Pre-construction meeting and issue Notice to Proceed.

October 31, 2016 Substantial Completion (booster station online and operational).

January 15, 2017 Final Completion (punch list and final paperwork).