



DATE: January 18, 2022
REGULAR

AGENDA ITEM: Accept Bids and Award Contract for Water Tower No. 3

SUBMITTED BY: Jack Griffin, City Engineer

REVIEWED BY: Kristina Handt, City Administrator
Marty Powers, Public Works Director
Chad Isakson, Assistant City Engineer

ISSUE BEFORE COUNCIL: Should the City Council accept bids and award a contract for Water Tower No. 3?

BACKGROUND: In accordance with the City's Capital Improvement Plan, a new water tower is planned for construction in 2022/2023 to support growth and development within the low-pressure zone areas of the city and to provide overall storage capacity for the city's water supply system. The project includes a 1.0 million gallon composite elevated storage tank, similar in design and construction to the Inwood Water Storage Tank constructed in 2014. The welded steel storage tank will be elevated roughly 100 feet high by placing it on a large diameter reinforced concrete support tower. The tank overflow elevation will be set at the 1085 elevation as identified in the city's comprehensive water plan. The foundation design and construction will require over excavation by approximately 10 feet with import of granular fill materials due to the existing fill materials that were found on the site during geotechnical investigations. The project includes site and utility improvements, electrical and control improvements, and pressure reducing valve control station modifications necessary for a complete and functioning water storage tank. To integrate the tank communications and operations with the city's SCADA system, modifications are included for the pressure reducing valve located on Lake Elmo Avenue and the UPRR. Site work includes grading, restoration with seeding, access roadway with turnaround, and minor tree planting (five trees) to be placed for screening. The bid package also includes the painting of 2 City logos on the tank. The tank color and logo orientation can be determined after bids are received. The project is planned to start construction in 2022 and be online at the end of 2023.

On November 16, 2021, the City Council approved the plans and specifications for Water Tower No. 3 and authorized staff to advertise the project for bids. The Project was advertised on QuestCDN.com and in the Stillwater Gazette in accordance with the Minnesota Competitive Bidding requirements.

PROPOSAL DETAILS/ANALYSIS: Bids were received and opened electronically on January 11, 2022. The City received 3 bids for this project, with Phoenix Fabricators & Erectors, LLC providing the lowest bid in the amount of \$3,493,000. Contractor references for Phoenix Fabricators & Erectors, LLC were reviewed by the City's engineering consultant for the project and a letter recommending the award of the project is attached as part of this agenda item. The City Engineer and his consultant are therefore recommending that the Council award the contract to the lowest responsible bidder, Phoenix Fabricators & Erectors, LLC as outlined in the attached letter.

FISCAL IMPACT: Approval of this resolution commits the council to enter into a construction contract for Water Tower No. 3. Entering into a construction contract for this portion of the project has a total post-bid estimated project cost of \$3,910,000. The project will be funded through the Water Enterprise Fund.

This project is a part of the Water Tower No. 3 Capital Improvement Project which has a total post-bid estimated project cost of \$4,550,000 (vs. CIP Budget of \$4,110,000).

RECOMMENDATION: Staff is recommending that the City Council approve a resolution accepting bids and awarding a contract to Phoenix Fabricators & Erectors, LLC in the low bid amount of \$3,493,000 for Water Tower No. 3. The recommended motion for this action is as follows:

“Move to approve Resolution No. 2022–012 accepting bids and awarding a contract to Phoenix Fabricators & Erectors, LLC in the amount of \$3,493,000 for Water Tower No. 3.”

ATTACHMENTS:

1. Resolution Accepting Bids and Awarding a Contract for Water Tower No. 3.
2. Letter of Award Recommendation and Tabulation of Bids.
3. Project Schedule.

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

RESOLUTION NO. 2022-012

**A RESOLUTION ACCEPTING BIDS AND AWARDING A CONTRACT FOR
WATER TOWER NO. 3**

WHEREAS, pursuant to an advertisement for bids for Water Tower No. 3, 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 submittal 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, Phoenix Fabricators & Erectors, LLC, for the bid amount of \$3,493,000.00.

NOW, THEREFORE, BE IT RESOLVED,

1. That the Mayor and City Clerk are hereby authorized and directed to enter into a Contract in the 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 EIGHTEENTH DAY OF
JANUARY, 2022.**

CITY OF LAKE ELMO

(Seal)
ATTEST:

Julie Johnson
City Clerk

By: _____
Charles Cadenhead
Mayor



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for All of Us®

January 12, 2022

RE: Lake Elmo, Minnesota
Water Tower No. 3
2020.118
SEH No. LAKMO 161368 14.00

Mr. Jack Griffin
City Engineer
City of Lake Elmo
3880 Laverne Avenue North, Suite 100
Lake Elmo, MN 55042

Dear Mr. Griffin:

On January 11, 2022, bids were received for the Water Tower No. 3 project. The attached Tabulation of Bids shows the bids received from all bids submitted.

Three (3) bids were received for the project. The bids ranged from \$3,493,000.00 to \$4,382,000.00. The low bid was submitted by Phoenix Fabricators & Erectors, LLC of Avon, IN. Based on our experience and review, it is our opinion that Phoenix Fabricators & Erectors, LLC has the required equipment and expertise to perform the work as outlined in the contract specifications. We, therefore, recommend award of the project in the low bid amount of \$3,493,000.00.

We hope this analysis of the bids is adequate for your needs. If you have any questions regarding this information, please contact me.

Sincerely,

Chad T. Katzenberger, PE
Project Manager
(Lic. MN)

mrbr
Attachment

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Engineers | Architects | Planners | Scientists

Short Elliott Hendrickson Inc., 3535 Vadnais Center Drive, St. Paul, MN 55110-3507

651.490.2000 | 800.325.2055 | 888.908.8166 fax | sehinc.com

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SEH TABULATION OF BIDS

1

2

3

Water Tower No. 3 Lake Elmo, Minnesota SEH No.: LAKMO 161368 Bid Date: 2:00 p.m., Tuesday, January 11, 2022				Engineer's Estimate \$3,642,380.00		Phoenix Fabricators & Erectors, LL 182 South CR 900 East Avon, IN 46123 \$3,493,000.00		Landmark Structures 1665 Harmond Road Fort Worth, TX 76177 \$3,874,000.00		Caldwell Tanks, Inc. 4000 Tower Road Louisville, KY 40219 \$4,382,000.00	
Item No.	Item	Unit	Est. Quantity	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	SITE GRADING	LS	1.00	\$20,000.00	\$20,000.00	\$18,000.00	\$18,000.00	\$47,000.00	\$47,000.00	\$30,000.00	\$30,000.00
2	ROCK CONSTRUCTION ENTRANCE	EACH	1.00	200.00	200.00	3,400.00	3,400.00	4,000.00	4,000.00	3,500.00	3,500.00
3	TRAFFIC CONTROL	LS	1.00	5,000.00	5,000.00	12,000.00	12,000.00	5,000.00	5,000.00	5,000.00	5,000.00
4	SUBGRADE EXCAVATION	CY	175.00	19.00	3,325.00	14.00	2,450.00	25.00	4,375.00	25.00	4,375.00
5	GEOTEXTILE FABRIC TYPE V	SY	200.00	4.00	800.00	17.50	3,500.00	4.00	800.00	5.00	1,000.00
6	ORGANIC TOPSOIL BORROW	CY	175.00	40.00	7,000.00	35.00	6,125.00	60.00	10,500.00	35.00	6,125.00
7	SELECT GRANULAR BORROW	CY	200.00	30.00	6,000.00	29.00	5,800.00	40.00	8,000.00	35.00	7,000.00
8	AGGREGATE BASE CLASS 1 (MODIFIED) -	CY	8.00	24.00	192.00	45.00	360.00	55.00	440.00	100.00	800.00
9	AGGREGATE BASE, CLASS 6 (CV) (P)	CY	375.00	18.00	6,750.00	65.00	24,375.00	36.00	13,500.00	40.00	15,000.00
10	TYPE SP 9.5 WEARING CORUSE MIX (3,C)	TON	80.00	120.00	9,600.00	130.00	10,400.00	135.00	10,800.00	170.00	13,600.00
11	BIT. MATERIAL FOR TACK COAT	GAL	35.00	3.00	105.00	30.00	1,050.00	10.00	350.00	25.00	875.00
12	5" CONCRETE SIDEWALK	SF	202.00	11.00	2,222.00	20.00	4,040.00	15.00	3,030.00	15.00	3,030.00
13	8" CONCRETE DRIVEWAY	SF	240.00	11.00	2,640.00	45.00	10,800.00	20.00	4,800.00	16.00	3,840.00
14	CONNECT TO EXISTING WATER MAIN	EACH	1.00	3,500.00	3,500.00	1,900.00	1,900.00	4,000.00	4,000.00	5,000.00	5,000.00
15	6" DIP WATER MAIN PIPE, CL. 52 (POLY ENCASED)	LF	17.00	90.00	1,530.00	55.00	935.00	80.00	1,360.00	70.00	1,190.00
16	16" DIP WATER MAIN PIPE, CL. 52 (POLY ENCASED)	LF	78.00	120.00	9,360.00	140.00	10,920.00	200.00	15,600.00	110.00	8,580.00
17	6" GATE VALVE & BOX	EACH	1.00	2,500.00	2,500.00	2,500.00	2,500.00	2,600.00	2,600.00	3,000.00	3,000.00
18	HYDRANT	EACH	1.00	6,000.00	6,000.00	6,000.00	6,000.00	6,200.00	6,200.00	6,500.00	6,500.00
19	DUCTILE IRON FITTINGS,	LB	650.00	12.00	7,800.00	9.00	5,850.00	5.00	3,250.00	9.00	5,850.00
20	4' X 4' CATCH BASIN WITH GRATING	EACH	1.00	4,200.00	4,200.00	4,500.00	4,500.00	6,000.00	6,000.00	8,500.00	8,500.00
21	1.5" CLEAR ROCK (WRAPPED IN TYPE 1	CY	16.00	72.00	1,152.00	85.00	1,360.00	90.00	1,440.00	50.00	800.00
22	18" RCP STORM SEWER PIPE, CL. V	LF	100.00	76.00	7,600.00	110.00	11,000.00	93.00	9,300.00	70.00	7,000.00
23	18" RCP APRON W/ TRASH GUARD	EACH	1.00	2,300.00	2,300.00	2,500.00	2,500.00	2,200.00	2,200.00	2,500.00	2,500.00
24	15" CAS PIPE CULVERT	LF	73.00	60.00	4,380.00	55.00	4,015.00	75.00	5,475.00	50.00	3,650.00
25	15" CAS PIPE APRON W/ TRASH GUARD	EACH	2.00	600.00	1,200.00	450.00	900.00	1,250.00	2,500.00	450.00	900.00
26	HAND PLACED RIP RAP, CL. III	CY	20.00	120.00	2,400.00	125.00	2,500.00	104.00	2,080.00	150.00	3,000.00
27	GEOTEXTILE FABRIC TYPE IV	SY	74.00	6.00	444.00	4.50	333.00	10.00	740.00	10.00	740.00
28	GEOTEXTILE FABRIC TYPE V	SY	400.00	6.00	2,400.00	4.50	1,800.00	4.00	1,600.00	2.00	800.00
29	SILT FENCE, TYPE HI	LF	300.00	4.00	1,200.00	6.00	1,800.00	2.00	600.00	5.00	1,500.00
30	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LF	40.00	4.00	160.00	7.00	280.00	8.00	320.00	10.00	400.00
31	TEMPORARY SEEDING (MIX 22-112 WITH TYPE 1	ACRE	0.50	2,000.00	1,000.00	5,000.00	2,500.00	1,600.00	800.00	5,000.00	2,500.00
32	SEEDING (MIX 25-141 WITH FERTILIZER &	ACRE	0.50	6,000.00	3,000.00	9,000.00	4,500.00	1,000.00	500.00	10,000.00	5,000.00
33	CONIFEROUS TREE 8' HT B&B	TREE	12.00	1,350.00	16,200.00	550.00	6,600.00	1,200.00	14,400.00	500.00	6,000.00
34	LOAM TOPSOIL BORROW	CY	28.00	40.00	1,120.00	55.00	1,540.00	60.00	1,680.00	33.00	924.00
35	MULCH MATERIAL TYPE 6	CY	27.50	40.00	1,100.00	46.00	1,265.00	64.00	1,760.00	100.00	2,750.00
36	1 MG COMPOSITE ELEVATED WATER STORAGE	LS	1.00	3,345,000.00	3,345,000.00	3,091,202.00	3,091,202.00	3,524,000.00	3,524,000.00	3,942,771.00	3,942,771.00
37	SCADA AND NEW RTU AT NEW TOWER, AND	LS	1.00	35,000.00	35,000.00	44,000.00	44,000.00	40,000.00	40,000.00	45,000.00	45,000.00
38	PRV STATION VALVE MODIFICATIONS AND	LS	1.00	75,000.00	75,000.00	100,000.00	100,000.00	63,000.00	63,000.00	128,000.00	128,000.00
39	FURNISH ASN INSTALL COMPLETE GAS	LS	1.00	43,000.00	43,000.00	80,000.00	80,000.00	50,000.00	50,000.00	95,000.00	95,000.00
TOTAL BID PRICE				\$3,642,380.00		\$3,493,000.00		\$3,874,000.00		\$4,382,000.00	

PROJECT SCHEDULE
CITY OF LAKE ELMO

FOCUS ENGINEERING, inc.

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

WATER TOWER NO. 3
PROJECT NO. 2020.118

JUNE 9, 2021	Authorize Geotechnical Investigation Services.
JUNE 22, 2021	Preliminary Design Scoping meeting with Public Works.
JULY 6, 2021	Approve Purchase Option Agreement for Elevated Storage Tank No. 3.
JULY 6, 2021	Authorize Plans and Specifications for Elevated Storage Tank No. 3. *Review preliminary design recommendations (tower style, materials and site plan)
JULY 9, 2021	Receive Preliminary Borings/Soil Classifications.
JULY 23, 2021	Receive Geotechnical Services Evaluation Report.
NOVEMBER 16, 2021	Approve Plans and Specifications for Elevated Storage Tank No. 3.
JANUARY 11, 2022	Receive Contractor Bids.
JANUARY 18, 2022	Accept Bids and Award Contract.
FEBRUARY 8, 2022	Conduct Pre-construction meeting and issue Notice to Proceed.
2022 CONSTRUCTION	Foundation and Concrete Shaft Construction, On Ground Tank Fabrication, preliminary Site Work.
2023 CONSTRUCTION	On Ground Tank Painting, Raising Tank, Roof Assembly and Final Painting, Electrical-Controls and Final Site Work.
OCTOBER 13, 2023	Substantial Completion (water tower online and operational).
NOVEMBER 17, 2023	Final Completion (punch list and final paperwork).