

COAL CITY

Special Village Board Meeting

Thursday
APRIL 20, 2023
5:30 P.M.

AGENDA

1. Call meeting to order
2. Pledge of Allegiance
3. Public Comment
4. Award Water Treatment Expansion Bid – D Construction
5. Accept Change Order #1 to Water Treatment Expansion Project
6. Award Newly Installed Well #7 Bid – Municipal Well & Pump
7. Accept the Alternative Provided within Well #7 Bid
8. Award Completion of Well #7 Head Improvement Bid – Gene Wren Construction
9. Accept Change order #1 to Well #7 Head Improvement Bid
10. Adjourn

MEMO

TO: Mayor Halliday and the Board of Trustees

FROM: Matthew T. Fritz
Village Administrator

MEETING

DATE: April 20, 2023

RE: WATER TREATMENT PLANT EXPANSION CONTRACTOR BIDS

Below is a summary of the water treatment plant expansion bids in one location. There are three bids related to the water treatment expansion project.

The first bid, which is 86% of the total projected cost for this project has the lowest responsive bid of \$5,600,000 from D Construction. This bid is for the work at the plant as the new pre-treatment method, building expansion, and new equipment. Having been the lowest responsive bidder, the Village Engineer worked with the contractor to identify possible savings in the materials and methodology to align the total cost of construction closer to the allowable capital to be borrowed from the IEPA. One of those savings items – a replacement roof, was waived after consideration of this savings opportunity. Thus, the original reduced contract amount of \$5,240,190 was increased by the cost of that structure element to the final anticipated contract amount of \$5,315,190.

Water Treatment Plant Location Expansion

<i>Contractor</i>	<i>Bid</i>	<i>Add'l Alternate</i>	<i>Change Order</i>	<i>Final Approved</i>
D Construction	\$5,600,000	-	(284,810)	\$5,315,190
Vissering Constr.	5,976,000	-		
Integral Constr.	6,103,200	-		
John Burns	6,829,000	-		

The next portion of the total project cost is related to the new raw water well to be constructed adjacent to Fire Station 1, south of Division on the east side of DeWitt. This location is advantageous because the village's raw water main is already located alongside this property allowing the source water to be delivered efficiently to the water treatment plant. This portion of the project represents 11% of the total recommended bid approval. The lowest responsive bidder, Municipal Well & Pump included an alternate with their bid that can be accommodated at this location for some additional savings.

Well #7 Construction

<i>Contractor</i>	<i>Bid</i>	<i>Add'l Alternate</i>	<i>Change Order</i>	<i>Final Approved</i>
Municipal Well	\$818,650	(\$122,397)		\$696,253
Great Lakes	951,253	-		

The last portion of construction due to the different components of the water treatment plant expansion project include the improvements at the well head. This construction completes the source of electrification to the raw water pump and connects the raw water retrieved from the well into the village's raw water conveyance system. This portion of the project has been aided by the Fire District's cooperation allowing for a significant savings due to the incorporation of the finish work to be located in the southwest corner of the existing detached garage rather than constructing a separate well house that

would require additional real estate and equipment. This is the smallest component of the overall project; its final approved expenditure amount with the proposed change order equals 3% of the overall project.

Well #7 Well Head Improvement

<i>Contractor</i>	<i>Bid</i>	<i>Add'l Alternate</i>	<i>Change Order</i>	<i>Final Approved</i>
Gene Wren Constr.	\$414,041	-	(\$231,350)	\$182,691
Integral Contr.	453,200	-		

Attached are the materials that provide summaries for each portions of the bids as well as the first change order for D Construction providing the largest reduction in the proposed cost of construction. Upon the village's approval of this project the IEPA will finish its debt obligation documents in order to finalize the previously arranged manner of borrowing the capital necessary to complete this project. Although only \$6,106,503.90 was planned to be utilized to fund this project (\$87,629.62 under the upfront estimate of construction for the overall cost of the project with change orders from two of its contractors and an alternative provided by the third), the Village has identified \$730,000 in additional capital should the contingency require funding as well as the professional fees associated with engineering.

Recommendation:

Award the bids to the contractors to complete the Water Treatment Plant Expansion Project as presented by the Village Engineer to include –

- 1.) Award the lowest responsive bidder for completion of the Water Treatment Plant Expansion to D Construction due to their submitted base bid of \$5,600,000.
- 2.) Accept Change Order #1 provided by D Construction, which shall deduct \$284,810 reducing their total expected cost downward to \$5,315,190.
- 3.) Award the lowest responsive bidder for completion of newly installed Well#7 to Municipal Well & Pump due to their submitted base bid of \$818,650.
- 4.) Accept the Alternative provided by Municipal Well & Pump within their bid, which shall deduct \$122,397 reducing their total expected cost downward to \$696,253.
- 5.) Award the lowest responsive bidder for completion of the Well #7 Head Improvement to Gene Wren Construction due to their submitted base bid of \$414,041.
- 6.) Accept Change Order #1 provided by Wren Construction, which shall deduct \$231,350 reducing their total expected cost downward to \$182,691.

Water Treatment Plant Expansion Bid Comparisons

	<u>Bid</u>	<u>Revised Amount</u>	<u>Additional Potential Savings Amount</u>	<u>Savings</u>
<u>Capital Improvement Costs</u>				
WTP Capacity Increase	\$5,600,000.00	\$5,240,190.00	\$5,315,190.00	\$75,000.00
Well Drilling	\$818,650.00	\$696,253.00	\$696,253.00	\$0.00
Well Completion	\$414,041.35	\$182,690.52	\$182,690.52	\$0.00
	\$6,832,691.35	\$6,119,133.52	\$6,194,133.52	
Construction Contingency	\$204,980.74	\$204,980.74	\$367,148.01	\$162,167.27
Total Construction	\$7,037,672.09	\$6,324,114.26	\$150,000.00	(\$217,148.01)
Interest During Construction	\$116,600.73	\$116,600.73	\$6,344,133.52	(\$54,980.74)
Design Engineering (already paid)	\$328,020.00	\$328,020.00	\$104,940.66	(\$11,660.07)
Construction Engineering	\$382,690.00	\$382,690.00	\$20,000.00	(\$308,020.00)
Legal	\$25,000.00	\$25,000.00	\$344,421.00	(\$38,269.00)
Total Project Costs	\$7,889,982.82	\$7,176,424.99	\$20,000.00	(\$5,000.00)
Total Project (less \$1.25M Forgiveness)		\$5,926,424.99	\$6,833,495.18	(\$342,929.81)
			(\$1,250,000.00)	
			\$5,583,495.18	True Projected COST

<u>Coverage</u>	
Estimated Project Capital Total Cost -	\$6,835,000.00
Existing Borrowing Maximum	\$6,106,503.90
	\$728,496.10
	\$240,000.00
	\$350,000.00
	\$140,000.00
	\$730,000.00
	TIF (2 years of scheduled debt)
	#48 Infrastructure
	ARP Contribution

CHANGE ORDER NO. 1

Owner: Village of Coal City
 Engineer: Michael W. Perry, P. E.
 Contractor: D. Construction, Inc.
 Project: Water Treatment Plant Expansion
 Owner's Project No.:
 Engineer's Project No.: 09875.02
 Contractor's Project No.:

Date Issued: 03/31/2023 Effective Date of Change Order: 04/12/2023

The Contract is modified as follows upon execution of this Change Order:

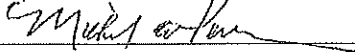
Description: Deduct one (1) bare softener tank and freight, deduct Cummins 350kW Generator and 800A Transfer Switch. The contractor will still install raceways to be used at a later date.

Attachments: N/A

Change in Contract Price	Change in Contract Times [State Contract Times as either a specific date or a number of days]
Original Contract Price: \$ 5,600,000.00	Original Contract Times: Substantial Completion: _____ Ready for final payment: _____
[Increase] [Decrease] from previously approved Change Orders No. 1 to No. [Number of previous Change Order]: \$ N/A	[Increase] [Decrease] from previously approved Change Orders No.1 to No. [Number of previous Change Order]: Substantial Completion: _____ Ready for final payment: _____
Contract Price prior to this Change Order: \$ 5,600,000.00	Contract Times prior to this Change Order: Substantial Completion: _____ Ready for final payment: _____
[Decrease] this Change Order: \$ 284,810.00	[Increase] [Decrease] this Change Order: Substantial Completion: _____ Ready for final payment: _____
Contract Price incorporating this Change Order: \$ 5,315,190.00	Contract Times with all approved Change Orders: Substantial Completion: _____ Ready for final payment: _____

Recommended by Engineer (if required)

Accepted by Contractor

By: 

Title: Michael W. Perry, P. E.

Date: 4/12/23

Authorized by Owner

Approved by Funding Agency (if applicable)

By: _____

Title: Matt Fritz, Village Administrator

Date: _____
