

DCS Engineering, LLC
1101 S. Capital of Texas Highway
Building G-100
Austin, Texas 78746
Tel: (512) 614-6171
T.B.P.E. Firm No F- 13162
www.DCS-Engineering.com

December 1, 2020

Mr. Brandon Pritchett
City of Pflugerville
Utility Director
15500 Sun Light Near Way #B
P.O. Box 589
Pflugerville, Texas 78660-0589

Re: City of Pflugerville – High Service Pumping Station Expansion from 17.14 mgd to 25.71 mgd
Recommendation to Award Contract

Dear Mr. Pritchett:

On November 11, 2020, DCS assisted the City in opening bids for the above referenced project. Four (4) bid proposals were received with total Base Bid prices ranging from \$1,060,200.00 to \$1,559,970.00; Alternate Bid No. 1 prices ranging from \$242,745.00 to \$387,545.00; and Alternate Bid No. 2 prices ranging from \$49,200.00 to \$116,500.00. A tabulation of the bids received is attached.

The budgeted amount for the Base Bid was \$1,986,000 in the City's CIP list; and the final engineer's opinion of most probable construction cost was \$1,760,000. The total budgeted amount for the items included under Add Alternate No.1 and No. 2 (i.e. the Colorado River Intake Pumping Station Improvements) was \$526,000 which included the installation of two chemical treatment systems, one located at the Colorado River Intake Pumping Station and one located at the Lake Intake Pumping Station; however, the City elected to remove the Lake Intake Pumping Station portion of the project. Thus, the scope of work for the project consists of installing and furnishing a copper ion solution generator with a control panel, 2" copper ion solution piping to dose in the 36" Raw Water Intake Line, and copper analyzer at the Colorado River Intake Pumping Station. This portion of the project was initially bid as a separate project on October 13, 2020, however only one bid for the project was received at a total base bid of \$775,395.00. DCS recommended to the City to package the Colorado River Intake Pumping Station Improvements project as an Add Alternate to the High Service Pumping Station Expansion from 17.14 mgd to 25.71 mgd. The intent of combining these projects was to provide an economy of scale which more contractors may be interested in.

The low bidder for the Total Base Bid, Add Alternate No.1, and Add Alternate No. 2 is Legion Development, LLC from Georgetown, Texas with a bid of \$1,439,345.00, which is below the two project's combined budgeted \$2,512,000.00. DCS has reviewed the bid proposal submitted by Legion Development, LLC and found two mathematical errors resulting in a total cost decrease of \$2,055.00 which is reflected in the above mentioned Bid amount of \$1,439,345.00. The following minor issues were also noted in Legion Development's bid package:

- The entity type was not identified as a corporation on page one of the Proposal and Bid Schedule. This information was subsequently provided after the Bids were opened and was found to be acceptable.
- The required documentation of signatory authority of a corporation was not included as part of the bid package per page 3 of the Proposal and Bid Schedule. This information was subsequently provided after the Bids were opened and was found to be acceptable.
- The Total Base Bid written in words was \$2,000 less than the summed numerical amount. Per Instruction to Bidders Item No. 4, in the case of a conflict between words and numbers, the words shall govern. Thus, the total project cost is the lower amount written in words resulting in a bid amount of \$1,439,345.

Mr. Brandon Pritchett
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- The total amount for each Add Alternate Bid No. 1 and Bid No. 2 item was not provided in words, only numbers.
- Contractor's name and address was not filled in on the top of the page on the Non-Collusion Certification. Contractor's name and address was filled in at the second location on the bottom of the page. This information was subsequently provided after the Bids were opened and was found to be acceptable.

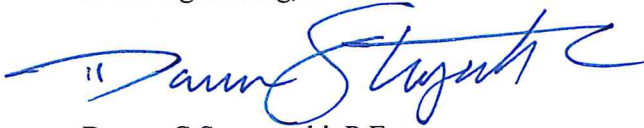
The bid package is otherwise accurate and complete. Legion Development, LLC bid for Add Alternate No. 1 and No. 2 only was a total of \$379,145.00 which is below the City's budgeted and final engineer's estimate.

Based on the information presented and taking into account the above mentioned minor issues, we recommend that the City accept the Add Alternate No. 2 from Legion Development, LLC in the amount of \$1,439,345.00 for furnishing all labor; material, tools and equipment and performing all work required for and furnishing a concrete slab with drilled piers, a 600 HP Vertical Turbine Pump, 600 HP Soft Starter, electrical conduit, SCADA, discharge piping and suction piping, pump control valve, and roof hatches at the High Service Pump Station at the City's Surface Water Treatment Plant. In addition to furnishing all labor; material, tools and equipment and performing all work required for installing and furnishing a copper ion solution generator with a control panel, approximately 315 LF of 2" copper ion solution piping, and copper analyzer at the Colorado River Intake Pumping Station.

If you have any questions, please call me at (512) 614-6171.

Sincerely,

DCS Engineering, LLC



Darren C Strozewski, P.E.
Project Manager



Enclosures

12/1/2020

City of Pflugerville
High Service Pumping Station Expansion from 17.14 mgd to 25.71 mgd
Bids Opened: 11/11/2020 at 11:00 am

BID TABULATION	Legion Development, LLC	Archer Western Construction, LLC	BAR Constructors	American Mine Services, LLC
City of Pflugerville Proposal and Bid Schedule (Y/N)	Y	Y	Y	Y
City of Pflugerville State of Texas Tax Code, Chapter 151 Compliance Certificate (Y/N)	Y	Y	Y	Y
Compliance to Texas State Law Regarding Nonresident Bidders (Y/N)	Y	Y	Y	Y
Conflict of Interest Questionnaire (Y/N)	Y	Y	Y	Y (Not filled out)
City of Pflugerville Non-Collusion Certificate (Y/N)	Y	Y	Y	Y
City Of Pflugerville Bid Bond (Y/N)	Y	Y	Y	Y

BASE BID ITEMS:														
Bid Item	Description	Quantity	Unit	Unit Price		Total Amount	Unit Price		Total Amount	Unit Price		Total Amount	Unit Price	Total Amount
1	Mobilization (maximum 5% of total Bid)	1	LS	\$ 50,000.00		\$ 50,000.00	\$ 50,000.00		\$ 50,000.00	\$ 60,000.00		\$ 60,000.00	\$ 40,049.00	\$ 40,049.00
2	Furnish, Deliver and Install High Service Pumping Station Expansion from 17.14 mgd to 25.71 mgd including but not limited to all labor, materials, and equipment, for all work not included in other bid items listed below, Complete in Place:	1	LS	\$ 976,000.00	2	\$ 974,000.00	\$ 1,137,000.00		\$ 1,137,000.00	\$ 1,283,000.00		\$ 1,283,000.00	\$ 1,450,000.00	\$ 1,450,000.00
3	Furnish and Install Project Sign including all Material and Labor, Complete in Place:	1	EA	\$ 1,300.00		\$ 1,300.00	\$ 1,800.00		\$ 1,800.00	\$ 800.00		\$ 800.00	\$ 3,200.00	\$ 3,200.00
4	Furnish, Install, Maintain and Remove Stabilized Construction Entrance with appurtenances, Complete in Place:	1	LS	\$ 4,384.00		\$ 4,384.00	\$ 3,000.00		\$ 3,000.00	\$ 2,900.00		\$ 2,900.00	\$ 5,400.00	\$ 5,400.00
5	Furnish, Install and Remove Silt Fence with appurtenances, Complete in Place:	500	LF	\$ 3.08		\$ 1,540.00	\$ 4.00		\$ 2,000.00	\$ 6.00		\$ 3,000.00	\$ 16.00	\$ 8,000.00
6	Furnish all Materials, Labor, and Equipment to Clear, and Grub with appurtenances, Complete in Place:	0.10	AC	\$ 45,000.00		\$ 4,500.00	\$ 10,000.00		\$ 1,000.00	\$ 5,000.00		\$ 500.00	\$ 16,200.00	\$ 1,620.00
7	Pollution Prevention Implementation including Storm Water Pollution Prevention Plan, Maintenance, Permitting, Inspections, and Reporting for all Pollution Prevention Measures as shown on the plans, Complete in Place:	1	LS	\$ 2,500.00		\$ 2,500.00	\$ 1,000.00		\$ 1,000.00	\$ 1,000.00		\$ 1,000.00	\$ 6,100.00	\$ 6,100.00
8	Furnish, Install, Maintain and Remove Concrete Washout, Complete in Place:	1	EA	\$ 3,700.00		\$ 3,700.00	\$ 1,000.00		\$ 1,000.00	\$ 900.00		\$ 900.00	\$ 8,600.00	\$ 8,600.00
9	Furnish and Install Trench Safety Protection including design, installation, maintenance, and removal as required by state and federal laws and regulations, Complete in Place:	200	LF	\$ 2.50		\$ 500.00	\$ 5.00		\$ 1,000.00	\$ 21.00		\$ 4,200.00	\$ 72.00	\$ 14,400.00
10	Furnish all Materials, Labor and Equipment for Testing and Startup of proposed Facilities, Complete in Place:	1	LS	\$ 4,600.00		\$ 4,600.00	\$ 1,000.00		\$ 1,000.00	\$ 4,600.00		\$ 4,600.00	\$ 4,900.00	\$ 4,900.00
11	Furnish and Install Hydromulch seeding per plans and specifications, Complete in Place:	0.75	AC	\$ 4,266.67		\$ 3,200.00	\$ 4,000.00		\$ 3,000.00	\$ 1,700.00		\$ 1,275.00	\$ 9,600.00	\$ 7,200.00
12	Furnish Equipment, Labor, and Materials for watering of hydromulch seeding until revegetation is established. Water provided by City at no cost to the Contractor, Complete in Place:	0.75	AC	\$ 3,200.00		\$ 2,400.00	\$ 4,000.00		\$ 3,000.00	\$ 3,100.00		\$ 2,325.00	\$ 3,900.00	\$ 2,925.00
13	Allowance for Alterman, Inc. to provide SCADA system programming, testing, and startup necessary to monitor and control the High Service Pumping Station equipment and instruments per the Specifications. Complete in Place:	1	LS	\$ 7,576.00		\$ 7,576.00	\$ 7,576.00		\$ 7,576.00	\$ 7,576.00		\$ 7,576.00	\$ 7,576.00	\$ 7,576.00
	TOTAL BASE BID (Items 1-13, shall equal total of Base Bid Schedule)				2	\$ 1,060,200.00			\$ 1,212,376.00			\$ 1,372,076.00		\$ 1,559,970.00

ADD ALTERNATE BID NO.1 ITEMS														
Bid Item	Description	Quantity	Unit	Unit Price		Total Amount	Unit Price		Total Amount	Unit Price		Total Amount	Unit Price	Total Amount
14	Furnishing of Copper Ion Generation System by Manufacturer to General Contractor: Fortress MC40 copper ion generator skid per Section 11010 including 2" 316 SST inlet/out 250# flanges, inlet/outlet 2" 316 SST ball valves, 1/2" 316 SST Drain plugs, 304 SST piping supports, stainless steel skid piping, grooved couplings and gaskets, 1/2" NPT outlet sample tap with PVC ball valve, pressure sensor, 2" flow meter, 2" flow control valve, four powder coated ionization chambers; wall-mounted automatic PLC control panel including powder coated interior/exterior, dosing technology, operator touch screen; handheld copper analyzer meter with reagents for low and medium copper test; Flexim strap-on flow meter and flow transducers w/ 10 FT cable, box for remote access to SCADA PLC; on-site inspection/commissioning (4 days) booked 30 days in advance; on-site operator training (2 days) booked 30 days in advance; and shipping and handling to site. This bid item specifically excludes the costs of installation from the General Contractor.	1	LS	\$ 191,200.00		\$ 191,200.00	\$ 178,000.00		\$ 178,000.00	\$ 161,100.00		\$ 161,100.00	\$ 182,000.00	\$ 182,000.00



City of Pflugerville
High Service Pumping Station Expansion from 17.14 mgd to 25.71 mgd
Bids Opened: 11/11/2020 at 11:00 am

Bid Item	Description	Quantity	Unit	Unit Price		Total Amount	Unit Price		Total Amount	Unit Price		Total Amount	Unit Price		Total Amount
15	Install Copper Ion Generation System by General Contractor including but not limited to piping, instruments, electrical conduit and wiring, communication wiring, and all other work not included in other bid items. Terminate 2" SCH 80 PVC copper ion solution carrier pipe 5'-0" below wet well cat walk per Detail 2, Drawing 01P-02 of the Colorado River Intake Pumping Station Improvements. Complete in Place:	1	LS	\$ 44,000.00		\$ 44,000.00	\$ 45,500.00		\$ 45,500.00	\$ 203,600.00		\$ 203,600.00	\$ 142,000.00		\$ 142,000.00
16	Furnish all Materials, Labor and Equipment for General Contractor's Testing and Startup of proposed chemical feed facility equipment not included in other Bid items, Complete in Place:	1	LS	\$ 9,200.00		\$ 9,200.00	\$ 1,000.00		\$ 1,000.00	\$ 4,600.00		\$ 4,600.00	\$ 21,200.00		\$ 21,200.00
17	Allowance for Alterman, Inc. to connect new copper ion generation system to SCADA and complete the integration and programming necessary to monitor and control the copper ion generation system per the Colorado River Intake Pumping Station Improvements Specification Sections 11010 and 13442. Complete in place with Appurtenances:	1	LS	\$ 18,245.00		\$ 18,245.00	\$ 18,245.00		\$ 18,245.00	\$ 18,245.00		\$ 18,245.00	\$ 18,245.00		\$ 18,245.00
	TOTAL ADD ALTERNATE BID NO. 1 (Items 1-17, shall equal total of add Alternate Bid No. 1 Schedule)				^{1, 2}	\$ 1,322,845.00			\$ 1,455,121.00			\$ 1,759,621.00			\$ 1,923,415.00

ADD ALTERNATE BID NO.2 ITEMS:															
Bid Item	Description	Quantity	Unit	Unit Price		Total Amount	Unit Price		Total Amount	Unit Price		Total Amount	Unit Price		Total Amount
18	Install 2" diameter 316 SST copper ion solution carrier pipe starting at 2" high pressure threaded coupling as shown on Detail 2, Drawing 01P-02 of the Colorado River Intake Pumping Station Improvements. This bid item includes all work to be completed by Divers shown on Drawing 01P-02A. Complete In Place:	1	LS	\$ 116,500.00		\$ 116,500.00	\$ 110,000.00		\$ 110,000.00	\$ 115,000.00		\$ 115,000.00	\$ 49,200.00		\$ 49,200.00
	TOTAL ADD ALTERNATE BID NO. 2 (Items 1-18, shall equal total of add Alternate Bid No. 2 Schedule)				^{1, 2}	\$ 1,439,345.00			\$ 1,565,121.00			\$ 1,874,621.00			\$ 1,972,615.00

¹Calculation error, Total submitted was \$55.00 above calculated total.

²Bidder error, Total numerical summation for "Total Base Bid" is correct; however, total written in words for "Total Base Bid" is \$1,060,200.00, Per Instructions to Bidders, Item 4, words govern over numerical values. Thus, Bid Item 2 value should be \$974,000 instead of \$976,000 as submitted by the Contractor.

