



June 8, 2021

Mr. Corbin Ballast
Director of Utilities
City of Texas City
911 Highway 146 North
Texas City, Texas 77590

Re: **Letter of Recommendation for Blower and Fine Screen Improvements at WWTP
BID #2021-406**
City of Texas City
ARKK Job No. 20-050

Dear Mr. Ballast:

On June 8, 2021, eight (8) bids were received for the above referenced project. This project involves blower and fine screen improvements at the Texas City Wastewater Treatment Plant as shown below:

- Blower addition
- Blower panel replacement
- Fine screen replacement
- New handrails at the Grit Basin
- Grit Basin wall liner

Following is a summary of our bid evaluation:

1. Bid Tabulation Sheet – Eight (8) construction firms participated in the bidding process. The bids were checked for mathematical errors and/or bid irregularities. The project was bid with a base bid and one (1) add alternate. The Add Alternate includes the installation of a section of corrosion resistant wall liner material as well as bypass pumping to accomplish wall liner installation. A copy of the bid tabulation is attached.
2. As discussed with the City of Texas City, the Base Bid and Add Alternate #1 were utilized as the basis for award of the contract. The bids for the project (Base Bid + Add Alternate #1) are as follows:

<u>Bidder</u>	<u>Total Bid</u>
C3 Constructors, LLC	\$1,125,120.00
Gilleland Smith Construction Inc.	\$1,139,050.00
JTR Constructors Inc.	\$1,143,510.00
N&S Construction Co., LP	\$1,253,035.00
R&B Group, Inc.	\$1,347,912.00
Stolz Mechanical Contractors, LLC	\$1,349,004.35
LEM Construction Company Inc.	\$1,415,926.00
Sustanite Support Services, LLC	\$1,451,638.79
Mathematical Error Corrected	

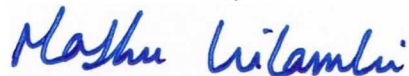
3. Qualifications and References – C3 Constructors, LLC submitted a list of references and qualifications. C3 Constructors has completed similar wastewater plant improvement projects in the past for other municipalities in the greater Houston area. The references contacted indicated that they were very pleased with the work performed by C3 Constructors and would recommend them on future projects.

C3 Constructors, LLC appears to be a responsible firm that is capable of performing the specified work in a satisfactory manner. For these reasons, we recommend that the City of Texas City award the **Blower and Fine Screen Improvements at WWTP to C3 Constructors, LLC for a total amount of \$1,126,000.**

If you have any questions, please contact me.

Sincerely,

ARKK ENGINEERS, LLC



Madhu Kilambi, P.E.

Senior Project Manager

cc: Mr. Jack Haralson – City of Texas City

ITEM NO.	ITEM DESCRIPTION	UNIT	QUAN.	LOW BIDDER				JTR Constructors, Inc		N & S Construction Co., LP	
				C3 Constructors, LLC		Gilleland Smith Construction, Inc					
BASE BID ITEMS:											
1	Purchase and install one (1) new multistage blower and control panel; install intake and discharge piping, valves, accessories, pipe supports, electrical installation including electrical conduit, wiring, breakers, starters, panels, disconnects, complete in place, for a fully functioning blower assembly, complete in place, the sum of:	LS	1	\$ 207,700.00	\$ 207,700.00	\$ 207,000.00	\$ 207,000.00	\$ 300,000.00	\$ 300,000.00	\$ 252,000.00	\$ 252,000.00
2	Remove and replace four (4) existing blower control panels with four (4) new blower control panels as per the electrical drawings and specifications, complete in place, the sum of:	LS	1	\$ 82,700.00	\$ 82,700.00	\$ 100,000.00	\$ 100,000.00	\$ 80,000.00	\$ 80,000.00	\$ 100,000.00	\$ 100,000.00
3	Recoat the blower station piping to the limits shown on the design drawings, complete in place, the sum of:	LS	1	\$ 12,600.00	\$ 12,600.00	\$ 20,000.00	\$ 20,000.00	\$ 10,000.00	\$ 10,000.00	\$ 24,000.00	\$ 24,000.00
4	Remove and Replace one (1) existing 14" coupling on the blower station discharge header pipe, complete in place, the sum of:	LS	1	\$ 3,600.00	\$ 3,600.00	\$ 1,500.00	\$ 1,500.00	\$ 1,800.00	\$ 1,800.00	\$ 6,400.00	\$ 6,400.00
5	Remove and Replace one (1) existing 10" coupling on the plant steel air piping, complete in place, the sum of:	LS	1	\$ 1,600.00	\$ 1,600.00	\$ 1,500.00	\$ 1,500.00	\$ 1,700.00	\$ 1,700.00	\$ 4,700.00	\$ 4,700.00
6	Remove and Replace one (1) existing 8" coupling on the plant steel air piping, complete in place, the sum of:	LS	1	\$ 1,200.00	\$ 1,200.00	\$ 1,500.00	\$ 1,500.00	\$ 1,300.00	\$ 1,300.00	\$ 4,000.00	\$ 4,000.00
7	Purchase and install two (2) new Huber mechanical step screen assemblies, including electrical installation, control stations, emergency stops, disconnects; remove and dispose of existing units complete in place, the sum of:	LS	1	\$ 445,900.00	\$ 445,900.00	\$ 525,000.00	\$ 525,000.00	\$ 395,087.00	\$ 395,087.00	\$ 490,000.00	\$ 490,000.00
8	Purchase and install one (1) new conveyor and screenings washer assembly, including electrical installation, control station, wiring, disconnects, emergency shutoffs; remove and dispose of existing unit, complete in place, the sum of:	LS	1	\$ 157,000.00	\$ 157,000.00	\$ 50,000.00	\$ 50,000.00	\$ 115,000.00	\$ 115,000.00	\$ 180,000.00	\$ 180,000.00
9	Install a new handrail system for the headworks assembly as indicated in the design drawings. Remove and dispose of existing handrails, complete in place, the sum of:	LS	1	\$ 45,900.00	\$ 45,900.00	\$ 50,000.00	\$ 50,000.00	\$ 62,000.00	\$ 62,000.00	\$ 48,000.00	\$ 48,000.00
10	Install a 100% Calcium Aluminate or Geopolymer corrosion-resist wall liner material to the limits and thicknesses as indicated on the drawings, in Basins that cannot be isolated and do not require bypass pumping , complete in place, the sum of:	SF	3123	\$ 40.00	\$ 124,920.00	\$ 40.00	\$ 124,920.00	\$ 31.00	\$ 96,813.00	\$ 35.00	\$ 109,305.00
11	Miscellaneous Allowance, as Approved by the Engineer, Complete in Place, the Sum of:	AL	1	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
TOTAL BASE BID ITEMS:				\$ 1,103,120.00		\$ 1,101,420.00		\$ 1,083,700.00		\$ 1,238,405.00	
ADD ALTERNATE NO. 1 BID ITEMS:											
12	Install a 100% Calcium Aluminate or Geopolymer corrosion-resist wall liner material to the limits and thicknesses as indicated on the drawings, in Basins that cannot be isolated without bypass pumping (Grit Effluent Channel), complete in place, the sum of:	SF	218	\$ 40.00	\$ 8,720.00	\$ 35.00	\$ 7,630.00	\$ 45.00	\$ 9,810.00	\$ 35.00	\$ 7,630.00
13	Bypass Pumping to accomplish wall liner in the combined Grit Effluent Channel as required during wall liner installation, preparation, and curing, min flow rate 3,500 gpm	LS	1	\$ 13,280.00	\$ 13,280.00	\$ 30,000.00	\$ 30,000.00	\$ 50,000.00	\$ 50,000.00	\$ 7,000.00	\$ 7,000.00
TOTAL ADD ALTERNATE NO.1:				\$ 22,000.00		\$ 37,630.00		\$ 59,810.00		\$ 14,630.00	
TOTAL BASE BID ITEMS:				\$ 1,103,120.00		\$ 1,101,420.00		\$ 1,083,700.00		\$ 1,238,405.00	
TOTAL ADD ALTERNATE NO. 1:				\$ 22,000.00		\$ 37,630.00		\$ 59,810.00		\$ 14,630.00	
GRAND TOTAL:				\$ 1,125,120.00		\$ 1,139,050.00		\$ 1,143,510.00		\$ 1,253,035.00	
MATHEMATICAL ERROR CORRECTED BY ENGINEER											

Texas City Blowers and Fine Screen Improvements
Bid No. 2021-406

ITEM NO.	ITEM DESCRIPTION	UNIT	QUAN.	R & B Group, Inc.		Stolz Mechanical Contractors, LLC		LEM Construction Company, Inc.		Sustanite Support Services, LLC	
BASE BID ITEMS:											
1	Purchase and install one (1) new multistage blower and control panel; install intake and discharge piping, valves, accessories, pipe supports, electrical installation including electrical conduit, wiring, breakers, starters, panels, disconnects, complete in place, for a fully functioning blower assembly, complete in place, the sum of:	LS	1	\$ 300,000.00	\$ 300,000.00	\$ 258,000.00	\$ 258,000.00	\$ 205,000.00	\$ 205,000.00	\$ 200,000.00	\$ 200,000.00
2	Remove and replace four (4) existing blower control panels with four (4) new blower control panels as per the electrical drawings and specifications, complete in place, the sum of:	LS	1	\$ 90,000.00	\$ 90,000.00	\$ 100,000.00	\$ 100,000.00	\$ 95,000.00	\$ 95,000.00	\$ 150,000.00	\$ 150,000.00
3	Recoat the blower station piping to the limits shown on the design drawings, complete in place, the sum of:	LS	1	\$ 20,000.00	\$ 20,000.00	\$ 53,000.00	\$ 53,000.00	\$ 30,000.00	\$ 30,000.00	\$ 20,000.00	\$ 20,000.00
4	Remove and Replace one (1) existing 14" coupling on the blower station discharge header pipe, complete in place, the sum of:	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 12,000.00	\$ 12,000.00	\$ 1,500.00	\$ 1,500.00	\$ 6,000.00	\$ 6,000.00
5	Remove and Replace one (1) existing 10" coupling on the plant steel air piping, complete in place, the sum of:	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 4,000.00	\$ 4,000.00	\$ 1,500.00	\$ 1,500.00	\$ 4,500.00	\$ 4,500.00
6	Remove and Replace one (1) existing 8" coupling on the plant steel air piping, complete in place, the sum of:	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 4,000.00	\$ 4,000.00	\$ 1,000.00	\$ 1,000.00	\$ 4,000.00	\$ 4,000.00
7	Purchase and install two (2) new Huber mechanical step screen assemblies, including electrical installation, control stations, emergency stops, disconnects; remove and dispose of existing units complete in place, the sum of:	LS	1	\$ 494,000.00	\$ 494,000.00	\$ 479,000.00	\$ 479,000.00	\$ 475,000.00	\$ 475,000.00	\$ 561,500.00	\$ 561,500.00
8	Purchase and install one (1) new conveyor and screenings washer assembly, including electrical installation, control station, wiring, disconnects, emergency shutoffs; remove and dispose of existing unit, complete in place, the sum of:	LS	1	\$ 214,000.00	\$ 214,000.00	\$ 206,000.00	\$ 206,000.00	\$ 210,000.00	\$ 210,000.00	\$ 200,000.00	\$ 200,000.00
9	Install a new handrail system for the headworks assembly as indicated in the design drawings. Remove and dispose of existing handrails, complete in place, the sum of:	LS	1	\$ 75,000.00	\$ 75,000.00	\$ 38,000.00	\$ 38,000.00	\$ 95,000.00	\$ 95,000.00	\$ 100,000.00	\$ 100,000.00
10	Install a 100% Calcium Aluminate or Geopolymer corrosion-resist wall liner material to the limits and thicknesses as indicated on the drawings, in Basins that cannot be isolated and do not require bypass pumping , complete in place, the sum of:	SF	3123	\$ 32.00	\$ 99,936.00	\$ 44.51	\$ 139,004.73	\$ 70.00	\$ 218,610.00	\$ 44.19	\$ 138,005.37
11	Miscellaneous Allowance, as Approved by the Engineer, Complete in Place, the Sum of:	AL	1	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
TOTAL BASE BID ITEMS:				\$ 1,315,936.00		\$ 1,313,004.73		\$ 1,352,610.00		\$ 1,404,005.37	
ADD ALTERNATE NO. 1 BID ITEMS:											
12	Install a 100% Calcium Aluminate or Geopolymer corrosion-resist wall liner material to the limits and thicknesses as indicated on the drawings, in Basins that cannot be isolated without bypass pumping (Grit Effluent Channel), complete in place, the sum of:	SF	218	\$ 32.00	\$ 6,976.00	\$ 110.09	\$ 23,999.62	\$ 162.00	\$ 35,316.00	\$ 44.19	\$ 9,633.42
13	Bypass Pumping to accomplish wall liner in the combined Grit Effluent Channel as required during wall liner installation, preparation, and curing, min flow rate 3,500 gpm	LS	1	\$ 25,000.00	\$ 25,000.00	\$ 12,000.00	\$ 12,000.00	\$ 28,000.00	\$ 28,000.00	\$ 38,000.00	\$ 38,000.00
TOTAL ADD ALTERNATE NO.1:				\$ 31,976.00		\$ 35,999.62		\$ 63,316.00		\$ 47,633.42	
TOTAL BASE BID ITEMS:				\$ 1,315,936.00		\$ 1,313,004.73		\$ 1,352,610.00		\$ 1,404,005.37	
TOTAL ADD ALTERNATE NO. 1:				\$ 31,976.00		\$ 35,999.62		\$ 63,316.00		\$ 47,633.42	
GRAND TOTAL:				\$ 1,347,912.00		\$ 1,349,004.35		\$ 1,415,926.00		\$ 1,451,638.79	
MATHEMATICAL ERROR CORRECTED BY ENGINEER											