



Gupta & Associates, Inc.

consulting engineers

TBPE Reg. #F-2593
13717 Neutron Road
Dallas, Texas 75244
Tel: 972-490-7661

23 November 2021

City of Pflugerville, Texas
15500 Sun Light Near Way, #B
Pflugerville, Texas 78660
Attn: Brandon Pritchett, P.E.

Re: Pflugerville Surface Water Treatment Plant Standby Generator
Construction Bid Award Recommendation

Dear Mr. Pritchett:

Three competitive, sealed bids were received at the City's Office in Pflugerville, Texas on Wednesday, November 17, 2021 for the above referenced project. They were opened and publicly read as follows:

Contractor	Tax Exempt	Taxable Products	Total Bid
McDonald Municipal and Industrial	\$7,479,469.00	\$150,000.00	\$7,629,469.00
Alterman Inc.	\$8,662,809.63	\$27,712.00	\$8,690,521.63

A few observations:

1. The final Engineering Opinion of Probable Construction Costs (OPCC) was \$6,736,00.00. The low bidder is approximately 13% higher than the OPCC. There are a number of reasons that explain this difference:
 - a. The market is not very competitive at this time due to an abundance of work and a shortage of qualified contractors.
 - b. Material commodity prices are still extremely volatile and currently relatively inflated.
2. There were two other issues with the bid from Alterman Inc.:
 - a. It was not a compliant bid in that it lacked a few required pieces of supporting documentation.
 - b. The total of the individual line items was \$29.99 less than the total bid shown above due to a simple arithmetic error.
3. McDonald Municipal is currently doing a project of with the same level of complexity for the City of Garland. That project is currently at approximately 85% complete, it is on schedule, there have been no change orders to date, and the general consensus is that the project is going well.
4. McDonald Municipal is also doing a project for the City of Pflugerville at the Lake Pump Station. That project is currently at approximately 10% complete. MM&I is finishing up the shop drawing phase and have recently mobilized on site.

It is our opinion that McDonald Municipal is qualified to perform the required work based on their previous experience with other similar scale projects. Based on the above details, we recommend awarding the contract to McDonald Municipal and Industrial in the amount of \$7,629,469.00.

If there are any questions, or if you require additional information, please do not hesitate to contact us. We look forward to working with you on this project as we move into the construction phase.

Regards,



George Luke, P.E.
Gupta & Associates, Inc.

cc: V. K. Gupta, P.E.
Andrew Reed, P.E.
Mazhar Hajizadeh

Item No.	Approx Quantity	Unit	Description of item With Bid Price Written in Words	McDonald Municipal and Industrial		Alterman Inc.	
				Unit Price	Total Amount of Bid	Unit Price	Total Amount of Bid
PROJECT MOBILIZATION/DEMOLIBILIZATION							
1	1	LS	Mobilization as per Specification 700S, Bid Item 700S-TM @ Per Lump Sum.	\$ 290,000.00	\$ 290,000.00	\$ 437,494.70	\$ 437,494.70
ELECTRICAL DISTRIBUTION AND CONTROLS							
2	1	LS	Furnish the Phase 1 tier 4 electric generator @ <u>One million five hundred sixty-three thousand five hundred eighty-five dollars and zero cents</u> Per Lump Sum.	\$ 1,563,585.00	\$ 1,563,585.00	\$ 1,563,585.00	\$ 1,563,585.00
3	1	LS	Furnish and install all electrical related materials and labor, including any cost associated with the handling, transporting, installation, and all other work not identified in other bid items for the above line-item, complete as specified@ Per Lump Sum.	\$ 100,000.00	\$ 100,000.00	\$ 407,157.01	\$ 407,157.01
4	1	LS	Furnish the Phase 1 electric switchgear @ Six hundred twelve thousand three hundred forty-five dollars and zero cents Per Lump Sum.	\$ 612,345.00	\$ 612,345.00	\$ 612,345.00	\$ 612,345.00
5	1	LS	Furnish and install all electrical related materials and labor, including any cost associated with the handling, transporting, installation, and all other work not identified in other bid items for the above line-item, complete as specified@ Per Lump Sum.	\$ 50,000.00	\$ 50,000.00	\$ 162,956.27	\$ 162,956.27
6	1	LS	Furnish and install all electrical related materials and labor for demolition of existing wire, conduit, and transformers including excavation and backfill, not including pavement repair included elsewhere @ Per Lump Sum.	\$ 35,000.00	\$ 35,000.00	\$ 161,007.12	\$ 161,007.12
7	1	LS	Furnish and install all electrical related materials and labor for construction of the electrical building, not including structural or civil work included elsewhere Per Lump Sum.	\$ 1,239,446.00	\$ 1,239,446.00	\$ 74,000.00	\$ 74,000.00
8	1	LS	Furnish and install all electrical related materials and labor for the new switchgear DC batteries @ Per Lump Sum.	\$ 10,000.00	\$ 10,000.00	\$ 772.90	\$ 772.90
9	1	LS	Furnish and install all electrical related materials and labor for the 2500 kVA transformer Per Lump Sum.	\$ 70,000.00	\$ 70,000.00	\$ 100,100.00	\$ 100,100.00
10	1	LS	Furnish and install all electrical related materials and labor for the 750 kVA transformer for the generator load bank heaters @ Per Lump Sum.	\$ 40,000.00	\$ 40,000.00	\$ 50,600.00	\$ 50,600.00
11	1	LS	Furnish and install all electrical related materials and labor for the 1000 kVA transformer @ Per Lump Sum.	\$ 55,000.00	\$ 55,000.00	\$ 60,800.00	\$ 60,800.00
12	1	LS	Furnish and install all electrical related materials and labor for the 480 V Motor Control Center MCC-1 @ Per Lump Sum.	\$ 200,000.00	\$ 200,000.00	\$ 144,900.00	\$ 144,900.00
13	80	LF	Furnish and install all electrical related materials and labor for the underground ductback between the Utility primary service pole to the Utility pad-mount transformer, not including any cabling @ Per Linear Foot	\$ 400.00	\$ 32,000.00	\$ 347.88	\$ 27,830.26
14	50	LF	Furnish and install all electrical related materials and labor for the underground ductbank and cabling between the Utility pad-mount transformer to the switchgear @ Per Linear Foot	\$ 600.00	\$ 30,000.00	\$ 4,569.22	\$ 228,461.18
15	50	LF	Furnish and install all electrical related materials and labor for the underground ductbank and cabling between the standby generator to the switchgear, ATO Cabinet, and PLC @ Per Linear Sum.	\$ 500.00	\$ 25,000.00	\$ 954.69	\$ 47,734.28

Pflugerville SWTP Standby Generator Bid Evaluation

Item No.	Approx Quantity	Unit	Description of item With Bid Price Written in Words	McDonald Municipal and Industrial		Alterman Inc.	
16	30	LF	Furnish and install all electrical related materials and labor for the underground ductbank and cabling between the switchgear and the 2500 kVA transformer @ Per Linear Foot	\$ 600.00	\$ 18,000.00	\$ 654.81	\$ 19,644.22
17	30	LF	Furnish and install all electrical related materials and labor for the underground ductbank and cabling between the switchgear and the 1000 kVA transformer @ Per Linear Foot	\$ 300.00	\$ 9,000.00	\$ 509.28	\$ 15,278.38
18	100	LF	Furnish and install all electrical related materials and labor for the underground ductbank and cabling between the Main Electrical Building and the existing High Service Pump Station @ Per Linear Foot	\$ 600.00	\$ 60,000.00	\$ 538.99	\$ 53,898.67
19	80	LF	Furnish and install all electrical related materials and labor for the underground ductback between the Electrical Building to electrical manhole HV-EMH-1, not including any cabling @ Per Linear Foot	\$ 600.00	\$ 48,000.00	\$ 785.44	\$ 62,835.20
20	80	LF	Furnish and install all electrical related materials and labor for the underground ductback between the Electrical Building to electrical manhole HV-EMH-1, not including any cabling @ Per Linear Foot	\$ 600.00	\$ 48,000.00	\$ 888.99	\$ 71,119.00
21	30	LF	Furnish and install all electrical related materials and labor for the underground ductback between the Electrical Building to electrical manhole HV-EMH-3, not including any cabling @ Per Linear Foot	\$ 600.00	\$ 18,000.00	\$ 1,359.35	\$ 40,780.51
22	100	LF	Furnish and install all electrical related materials and labor for the underground ductback between the Electrical Building to electrical manhole HV-EMH-4, not including any cabling @ Per Linear Foot	\$ 400.00	\$ 40,000.00	\$ 80,335.00	\$ 80,335.00
23	30	LF	Furnish and install all electrical related materials and labor for the underground ductback between the Electrical Building to electrical manhole LV-EMH-1, not including any cabling @ Per Linear Foot	\$ 300.00	\$ 9,000.00	\$ 1,333.38	\$ 40,001.39
24	30	LF	Furnish and install all electrical related materials and labor for the underground ductbank and cabling between the 2500 kVA transformer and the existing secondary enclosure @ Per Linear Foot	\$ 2,000.00	\$ 60,000.00	\$ 2,213.88	\$ 66,416.44
25	40	LF	Furnish and install all electrical related materials and labor for the underground ductbank and cabling between the 750 kVA transformer and SWG-1A @ Per Linear Foot	\$ 300.00	\$ 12,000.00	\$ 631.41	\$ 25,256.58
26	40	LF	Furnish and install all electrical related materials and labor for the underground ductbank and cabling between the Generator Ancillary Pad and the Generator @ Per Linear Foot	\$ 500.00	\$ 20,000.00	\$ 1,041.37	\$ 41,654.67
27	30	LF	Furnish and install all electrical related materials and labor for the underground ductbank and cabling between the 1000 kVA transformer and MCC-1 @ Per Linear Foot	\$ 700.00	\$ 21,000.00	\$ 1,581.10	\$ 47,433.12
28	5	EA	Furnish and install all electrical related materials and labor for electrical manholes @ Per Each.	\$ 25,000.00	\$ 125,000.00	\$ 28,880.00	\$ 144,400.00
29	1	LS	Furnish and install all electrical related materials and labor for installation of all 480 V cabling from MCC-1 to the various loads, complete as specified and indicated on the drawings, @ Per Lump Sum.	\$ 200,000.00	\$ 200,000.00	\$ 14,677.53	\$ 14,677.53
30	1	LS	Furnish and install all electrical related materials and labor for installation of all other requirements to provide a complete and working system as specified and indicated on the drawings, @ Per Lump Sum.	\$ 100.00	\$ 100.00	\$ 556,100.00	\$ 556,100.00
31	1	LS	Furnish and install all related materials and labor for the PLC Cabinet not including wiring and conduit@ Per Each@ Per Lump Sum.	\$ 125,000.00	\$ 125,000.00	\$ 1,433.05	\$ 1,433.05

Item No.	Approx Quantity	Unit	Description of item With Bid Price Written in Words	McDonald Municipal and Industrial		Alterman Inc.	
32	1	LS	Furnish and install all wiring, conduit and related material associated with the PLC cabinet @ Per Lump Sum.	\$ 50,000.00	\$ 50,000.00	\$ 19,825.19	\$ 19,825.19
33	1	LS	Furnish and install all related materials and labor for the UPS Cabinet not including wiring and conduit@ Per Lump Sum.	\$ 15,000.00	\$ 15,000.00	\$ 772.88	\$ 772.88
34	1	LS	Furnish and install all wiring, conduit and related material associated with the UPS cabinet @ Per Lump Sum.	\$ 20,000.00	\$ 20,000.00		\$ -
35	1	LS	Furnish and install all related materials and labor for the Network Cabinet not including wiring and conduit@ Per Lump Sum.	\$ 50,000.00	\$ 50,000.00	\$ 1,195.31	\$ 1,195.31
36	1	LS	Furnish and install all related materials and labor for the Network Cabinet not including wiring and conduit@ Per Lump Sum.	\$ 20,000.00	\$ 20,000.00		\$ -
37	1	LS	Furnish and install all wiring, conduit and related material associated with the Network cabinet @ Per Lump Sum.	\$ 20,000.00	\$ 20,000.00	\$ 8,783.11	\$ 8,783.11
38	1	LS	Furnish and install all electrical related materials and labor for the Load Bank Connection Cabinet @ Per Lump Sum.	\$ 20,000.00	\$ 20,000.00	\$ 1,400.00	\$ 1,400.00
39	1	LS	Furnish and install all electrical related materials and labor for the underground ductbank and cabling between the Load Bank Connection Cabinet and SWG-1A @ Per Lump Sum.	\$ 35,000.00	\$ 35,000.00	\$ 26,521.24	\$ 26,521.24
40	1	LS	Furnish and install all electrical related materials and labor for the 1200A Distribution Panelboard @ Per Lump Sum.	\$ 35,000.00	\$ 35,000.00	\$ 9,986.20	\$ 9,986.20
41	1	LS	Owner's allowance for software programming services to be provided by Alterman, Inc. @ Twenty-two thousand six hundred dollars and zero cents per Lump Sum. Per Lump Sum.	\$ 22,600.00	\$ 22,600.00	\$ 22,600.00	\$ 22,600.00
42	1	LS	Owner's allowance for security system services to be provided by Texas Security & Surveillance @ Fifteen thousand six hundred thirty-three dollars and zero cents per Lump Sum.@ Per Lump Sum.	\$ 15,633.00	\$ 15,633.00	\$ 15,633.00	\$ 15,633.00
43	1	LS	Owner's allowance for Aid to Construction Charges to be paid to Oncor Electric @ One hundred fifty thousand dollars and zero cents Per Lump Sum.	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00	\$ 150,000.00
CIVIL AND MECHANICAL IMPROVEMENTS							
44	1	LS	Preparing Right of Way as per Specification 101S-C, Pay Item 101S-C @	\$ 2,500.00	\$ 2,500.00	\$ 12,650.00	\$ 12,650.00
45	490	SY	Subgrade preparation as per Specification 201S-A, Pay Item 201S-A @	\$ 15.00	\$ 7,350.00	\$ 50.60	\$ 24,794.00
46	110	CY	Flexible Base as per Specification 210S-A, Pay Item 210S-A @	\$ 60.00	\$ 6,600.00	\$ 189.75	\$ 20,872.50
47	490	SY	6 In. Concrete Pavement as per Specification 360S-A @	\$ 90.00	\$ 44,100.00	\$ 170.78	\$ 83,679.75
48	245	SF	New PC Concrete Sidewalks (Thickness 4") @	\$ 10.00	\$ 2,450.00	\$ 31.63	\$ 7,748.13
49	250	LF	Trench Excavation Safety Protective Systems (all depths) as per Specification 509S, Pay Item 509S-1 @	\$ 50.00	\$ 12,500.00	\$ 6.33	\$ 1,581.25
50	80	LF	Furnish and install all related materials and labor for relocation of 12" backwash return, including all fittings and appurtenances @	\$ 300.00	\$ 24,000.00	\$ 822.25	\$ 65,780.00

Pflugerville SWTP Standby Generator Bid Evaluation

Item No.	Approx Quantity	Unit	Description of item With Bid Price Written in Words	McDonald Municipal and Industrial		Alterman Inc.	
51	90	LF	Furnish and install all related materials and labor for removal and relocation of 6" sludge line, including all fittings and appurtenances@	\$ 200.00	\$ 18,000.00	\$ 695.75	\$ 62,617.50
52	0.58	TONS	Ductile Iron Fittings @	\$ 12,000.00	\$ 6,960.00	\$ 15,180.00	\$ 8,804.40
53	1	EA	2" Combination Air Release Valve and Vault @	\$ 2,000.00	\$ 2,000.00	\$ 7,590.00	\$ 7,590.00
54	1	Acre	Native Seeding for Erosion Control Method, Hydraulic Planting, as per Specification 604S, Pay Item 604S-A @	\$ 4,000.00	\$ 4,000.00	\$ 3,795.00	\$ 3,795.00
55	15	LF	Rock Berm as per Specification 639S-A, Pay Item 639S-A @	\$ 100.00	\$ 1,500.00	\$ 126.50	\$ 1,897.50
56	660	LF	Silt Fence for Erosion Control as per Specification 642S, Pay Item 642S-A @	\$ 5.00	\$ 3,300.00	\$ 3.80	\$ 2,504.70
57	1	EA	CIP Project Sign	\$ 2,000.00	\$ 2,000.00	\$ 632.50	\$ 632.50
58	1	LS	Furnish and install Generator Pad as indicated as specified and indicated on the drawings @	\$ 175,000.00	\$ 175,000.00	\$ 759,000.00	\$ 759,000.00
59	1	LS	Furnish and install Electrical Building Pad as indicated as specified and indicated on the drawings @	\$ 225,000.00	\$ 225,000.00	\$ 923,450.00	\$ 923,450.00
60	1	LS	Furnish and Install electrical building indicated as specified and as indicated on the drawings @	\$ 1,468,500.00	\$ 1,468,500.00	\$ 1,075,250.00	\$ 1,075,250.00
61	1	LS	Prepare and implement Storm Water Pollution Prevention Plan (SWPPP) as per SP642-SWPPP @	\$ 5,000.00	\$ 5,000.00	\$ 10,120.00	\$ 10,120.00
			TOTAL AMOUNT BID		\$ 7,629,469.00		\$ 8,690,491.64