

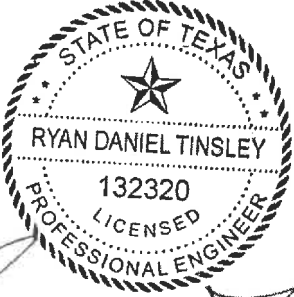


Strand Associates, Inc.*
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CITY OF RICHWOOD, TEXAS
AMERICAN RESCUE PLAN ACT
LIFT STATION AND WATER WELL GENERATORS
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
STRAND PROJECT NO. P211.026
April 1, 2022

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY		UNIT COST	TOTAL COST
CONSTRUCTION					
1.	Well No. 5 Generator with Automatic Transfer Switch, (480-Volt (V), 3-Phase, 100-Kilowatt (KW), 200-Amperage (Amp), Natural Gas-Powered).	1	LS	\$ 109,000.00	\$ 109,000.00
2.	Lift Station No. 1 and Service Center Generator with Automatic Transfer Switch, (480-V, 3-Phase, 125-KW, 400-Amp, Natural Gas-Powered).	1	LS	\$ 118,000.00	\$ 118,000.00
Subtotal Construction Cost (Rounded):					\$ 227,000.00
20% Contingency (Rounded):					\$ 46,000.00
TOTAL CONSTRUCTION COST:					\$ 273,000.00
ENGINEERING AND GRANT ADMINISTRATION					
1.	ENGINEERING—Design, Bidding, and Construction-Related Services.				\$ 74,670.00
2.	GRANT ADMINISTRATION.				\$ 28,250.00
TOTAL ENGINEER'S OPINION OF PROBABLE PROJECT COST:					\$ 375,920.00

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4/1/2022



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**CITY OF RICHWOOD, TEXAS
AMERICAN RESCUE PLAN ACT
SOUTH WATER PLANT BOOSTER PUMP REPLACEMENTS
ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST
STRAND PROJECT NO. P211.026
April 1, 2022**

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY		UNIT COST	TOTAL COST
CONSTRUCTION					
1.	Mobilization.	1	LS	\$ 30,000.00	\$ 30,000.00
2.	Metal Roof Structure with Concrete Slab over Booster Pumps (34- by 10-Foot).	1	LS	\$ 40,000.00	\$ 40,000.00
3.	Metal Roof Structure over Existing Concrete Slab and Electrical Controls.	1	LS	\$ 10,000.00	\$ 10,000.00
4.	Centrifugal Booster Pumps.	3	EA	\$ 40,000.00	\$ 120,000.00
5.	Ductile Iron Piping, Buried, Mechanical Joint, Various Sizes, and Miscellaneous Fittings.	300	LF	\$ 120.00	\$ 36,000.00
6.	Ductile Iron Piping, Aboveground, Flanged, Various Sizes, and Miscellaneous Fittings.	1	LS	\$ 60,000.00	\$ 60,000.00
7.	Gate Valves, Aboveground, Flanged, and Various Sizes.	8	EA	\$ 4,500.00	\$ 36,000.00
8.	Check Valves, Aboveground, Flanged, and Weighted Arm or Spring.	3	EA	\$ 6,000.00	\$ 18,000.00
9.	Electrical Conduit and Wire.	1	LS	\$ 60,000.00	\$ 60,000.00
10.	Trench Safety.	1	LS	\$ 5,000.00	\$ 5,000.00
11.	Seeding and Restoration.	1	LS	\$ 5,000.00	\$ 5,000.00
Subtotal Construction Cost (Rounded):					\$ 420,000.00
20% Contingency (Rounded):					\$ 84,000.00
TOTAL CONSTRUCTION COST:					\$ 504,000.00
ENGINEERING AND GRANT ADMINISTRATION					
1.	ENGINEERING—Design, Bidding, and Construction-Related Services.				\$ 80,000.00
2.	GRANT ADMINISTRATION.				\$ 28,250.00
TOTAL ENGINEER'S OPINION OF PROBABLE PROJECT COST:					\$ 612,250.00

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