

Webb County Utilities
Request for Proposals
“Sewer Plant Electrical Improvements”

Section I. Wastewater Treatment Plant Lift Station

- A.) This proposal is intended to provide the City of Rio Bravo a completely functional local control system at the WWTP Main Lift Station, any repairs not specifically called out that are needed will be provided.
- B.) Provide and install Level transmitter (Siemens Hydro Ranger 200), set up for pump control based on levels to be provided by Water Plant Operator.
- C.) Provide and install (6) new floats as back-up Pump Controls.
- D.) Repair existing Pump Control Panel. Replace all damaged components and wiring as needed to complete a fully functioning Panel.
- E.) Provide and install new piping and junction boxes as shown on attached drawing, junction boxes to be stainless steel NEMA 4X sized appropriately for this installation, new piping to match existing.
- F.) Provide and install Seal-offs as required in new piping to protect control panel from excess gasses.
- G.) Provide and install new control and power wire as required to complete a working system.

Section II. Aeration Basins Electrical Repair

- A.) Provide (2) Siemens ITE VFD Drive MCC Buckets to replace missing units for Aeration Basins 1 and 3.
- B.) Installation, Control Termination and testing.

Section III. Installation of Positioning Valves

- A.) Provide four (4) EMO (Electric Motor Operated) Positioning Valves for Aeration Basins 1-4 Air Valve Model: AUMA SG 12.1
- B.) Provide four (4) EMO Positioning Valves for Aeration Basins 1-4 Sludge Valve Model: AUMA SG 05.1
- C.) Installation, control termination and testing.

Section IV. Area Safety Lighting

- A.) Provide twelve (12) SYL 75W FLU LAMP Cat# F96T12/CWXSSCVP
- B.) Provide twenty-three (23) SYL100W MED LAMP Cat# MP100UMED
- C.) Provide four (4) ATLAS 150MH WALL PACK Cat# WLM150MHPQPK
- D.) Installation to be included of all lighting.