



815 E. CALTON RD. SUITE 4

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License # TECL 30114

June 12, 2018

Webb County Engineering Department  
**Attn: Luis Perez-Garcia, PE, CFM**  
1620 Santa Ursula, 2nd Floor  
Laredo, Texas 78040

**Reference: Justice Center - 1110 Victoria St. – Switchboard Replacement**

We are submitting a cost proposal as requested for replacement of the existing main switchboard for the Justice Center Main located at 1110 Victoria St. Below is our scope of work:

**Inclusions:**

1. Remove existing switchboard:
  - a. Coordinate with AEP for power shut down over a holiday and weekend.
  - b. Identify rotation, phase designation and circuit load for all loads currently connected to the switchboard.
  - c. Disconnect incoming main feeder wires from AEP transformer to main switchboard.
  - d. Disconnect all branch feeder switch loads from main switchboard.
2. Provide and install new switchboard:
  - a. New switchboard will match the footprint of the existing cabinet and layout.
  - b. New switchboard will have the following specifications:
    - i. 5000A/3PH/480-277V/N3R/MCB
    - ii. Copper bussing – 65,000 AIC bracing.
    - iii. LSIG protection on the main circuit breaker.
    - iv. Integrated surge protection device rated at 320KA/Phase.
    - v. 4 – 1600A – 3P circuit breakers with LSI protection
    - vi. 1 – 800A – 3P circuit breaker with LSI protection
    - vii. 1 – 600A – 3P circuit breaker with LSI protection
3. Switchboard Schedule:
  - a. Phenolic labels identifying each branch breaker load.
4. Reconnection and testing of new switchboard:
  - a. Identify rotation, phase designation and circuit load for all new loads connected to the switchboard.
  - b. Re-connect incoming main feeder wires from AEP transformer to main switchboard.
  - c. Re-connect all branch feeder loads from main switchboard.
  - d. Coordinate with AEP for power re-connection.

**Exclusions:**

1. Provide and apply arc flash labels.
2. Change electronic circuit breaker settings unless a coordination study is provided by Webb County.
3. Existing switchboard has a rating of 200,000 AIC, after verifying with AEP on available fault current a 65,000 AIC rated switchboard is being quoted.

**Total:**

**\$ 147,000.00**

If you have any questions regarding this change or need any additional information, please do not hesitate to contact me.

Respectfully,  
**LED Electric and Lighting Contractors, LLC**

*J. UBALDO PARRA*

Ubaldo Parra  
**General Manager**