



M&S ENGINEERING
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February 1, 2022

City of Seguin Electric Dept
Attn: Clarence Smith
Director of Electric Utilities
City of Seguin, Texas
830-401-2405 office
830-433-1279 cell

Submitted electronically via email to csmith@seguintexas.gov

Subject: 3-PHASE OVERHEAD UPGRADE BAUER – GUADALUPE – SE 40 CIRCUIT

Dear Mr. Smith,

Thank you for the opportunity to continue supporting City of Seguin for the Electric Distribution System Assessment project. We appreciate our ongoing partnership and we look forward to continuing our lengthy partnership with City of Seguin Electric Dept. From our initial meetings, conversations and site visits, we have a general understanding of the project and have based our proposal on this understanding.

Project Overview

In support of City of Seguin strategic initiative to identify and replace aging infrastructure, increase overall safety and to improve reliability, a system-wide condition assessment is being performed for the electric distribution system. To accomplish the overall goal, it has been decided to segment the overall project into smaller phases.

System assessment will include visual inspection of assets, safety and condition assessments, recommendations for repair and mapping reconciliations.

Scope of Work

The intention of this project is to assess the current condition of assets currently installed throughout CITY OF SEGUIN electrical distribution system. M&S Engineering will provide senior field personnel with extensive background in system design, operations and construction to visually inspect, gather sufficient data and make recommendations for remedy where necessary.

Specific Reference Work Area In CITY OF SEGUIN Service Area:

1.) REPLACEMENT OF EXISTING 3-PHASE OH PRIMARY CONDUCTOR INCLUDING POLES ALONG BAUER ST – ROSEMARY ST – GUADALUPE ST === INCLUDES THE FOLLOWING:
 - A. INSPECT AND REPLACE ANY AGING OH INFRASTRUCTURE AND REPLACE EXISTING 3-PHASE OH PRIMARY WITH 795 AAC / 336 AAC CONDUCTOR == INCLUDES REPLACING EXISTING POLES WITH STEEL POLES.
 - B. INSPECT AND REPLACE ANY AGING UNDERGROUND INFRASTRUCTURE.
 - C. LENGTH OF DESIGN SCOPE OF WORK APPROX-- 7400' (ft.) == INCLUDES BOTH SIDES OF GUADALUPE STREET.

Specifically our scope will include the following:

- 1) Gather size, type and condition by visually inspecting:
 - Overhead
 - Visual inspection
 - Photograph each pole
 - Identify and itemize assets on pole for reconciliation with system inventory provided
 - GPS each pole location (if required)

- Identify number of foreign attachments
 - Note and prioritize any remedy actions needed, such as:
 - Equipment and pole condition (ex: leaking transformer, broken cross arm brace, etc.)
 - Tree trimming is needed
 - Clearances over roads, highways, railroads, other utilities, etc.
 - Safety concerns
 - Note: Safety concerns will be reported immediately to NBU representative for action.
 - Underground
 - Visual inspection
 - Photograph all equipment (transformers, junction boxes, sectionalizers, etc.)
 - Reconciliation with system inventory provided
 - GPS all URD equipment (transformers, junction boxes, etc.)
 - Note and prioritize any remedy actions needed, such as:
 - Equipment condition (ex: leaking transformer, vegetation, signage etc.)
 - Safety concerns
 - Note: Safety concerns will be reported immediately to NBU representative for action.
- 2) Verify locations and addresses matches CITY OF SEGUIN ArcGIS system and work with COS ELECTRIC DEPT team to reconcile when needed.
- 3) **** Some amount time will be required for Custom Coordination, potential customer questions will arise due to Back Lot Construction. On-site meetings will be required with many of the customers throughout project design.

Deliverables shall include, but not be limited to:

- 1) Recommendations for repairs and replacements
- 2) Project plan set (SEAL/SIGNED) by M&S Engineering noting required scope of work.
- 3) Digital photographs when needed:

The skillsets required for this type of work include:

- a) Knowledge of CITY OF SEGUIN ELECTRIC Construction and joint use standards
- b) Working knowledge of CITY OF SEGUIN ELECTRIC material standards
- c) Knowledge of CITY OF SEGUIN ELECTRIC Safety Policies.
- d) Knowledge of NESC and OSHA standards

M&S Engineering classification for personnel which possess the required skill sets for the scope of work as defined above is Senior Technician II or above. We currently have sufficient man-power available and could begin work on this project if awarded. All personnel utilized for this scope of work shall be knowledgeable and trained in NBU operations and procedures.

Information needed from CITY OF SEGUIN

Prior to the commencement of this project, M&S Engineering will need to receive data from CITY OF SEGUIN ELECTRIC Included in this information would be the current electrical system map and system inventory.

Pricing Estimate

M&S will provide the above described scope of work for the estimated price of **\$ 49,850.00** Actual billing will be in accordance with the existing Master Services Agreement between M&S Engineering and CITY OF SEGUIN ELECTRIC DEPT.

We appreciate your consideration of M&S Engineering for this project. If there is anything that you would like to discuss about this proposal or additional information that you require, please do not hesitate to contact us.

Sincerely,

M & S Engineering, LLC.
Josh Schindler

Project Manager