



***Bluebonnet***  
**ELECTRIC COOPERATIVE**

Bluebonnet Electric Cooperative

155 Electric Avenue

Bastrop TX 78602

800-842-7708

[brian.mitschke@bluebonnet.coop](mailto:brian.mitschke@bluebonnet.coop)

Date Issued:

**November 15, 2024**

**Sandy Hill High Side and T-2 Addition Engineering**  
**BF-1812**

**Sealed or Electronic Bids TO BE SUBMITTED BY:**

**Friday, December 20, 2024 at 2:00 pm CST**

## Notice to Bidders

- **Sealed** bids addressed to Bluebonnet Electric Cooperative, **Brian Mitschke, 3186 E. Austin St, Giddings TX 78942 will be received until 2:00 p.m. CST, Friday, December 20, 2024** (Company Name and Address must be located on the outside of envelope/package). Any bid received after the above closing time will not be accepted and will be returned to the bidder upon request of the bidder.
- **Electronic** bids to be sent to [brian.mitschke@bluebonnet.coop](mailto:brian.mitschke@bluebonnet.coop) by **2:00 p.m. Friday, December 20, 2024**.
- Interested parties must agree on at least (1) one site visit prior to submission of bid.
- *Engineering services to be performed January 2025 with IFC prints available for contractor by April 30, 2025.*
- Incomplete bids will invalidate the bid and the bid will be rejected and returned to the bidder upon request. Any and all exceptions taken to the bid by the bidder shall be listed on the “Exceptions List” when the bid is submitted. The right to accept any bid or to reject any or all bids and to waive all formalities is hereby reserved by Bluebonnet Electric Cooperative.
- Bidder will be responsible for providing a detail description of services that will be provided, an itemized pricing list for the services offered and information needed from BBEC to perform the services.

Sealed Bids sent to:

**Bluebonnet Electric Coop**

**Sandy Hill High Side and T-2 Addition**

Attn: Brian Mitschke

3186 East Austin St

Giddings, TX 78942

or via email to

[brian.mitschke@bluebonnet.coop](mailto:brian.mitschke@bluebonnet.coop)

**Deadline: 2:00 p.m. CST, Friday, December 20, 2024**

## Engineering Firm Scope of Work

- Provide engineering services to install a 138kV ring bus to support (2) two power transformers and (2) two 138kV transmission line segments. (Design needs to match 959 ACSS conductor)
- Provide engineering services to relocate mobile switch and footing if layout allows.
- Provide Engineering services to install bus pipe and bus support structures to route 138kV bus to the location of (1) one existing circuit switcher and (1) one CPV-2 circuit switcher.
- Provide engineering services to facilitate the installation of a new circuit switcher and install a 22MVA power transformer with a LTC owned by BBEC.
- Provide engineering services to review and approve transformer drawings.
- Provide engineering services to add a transformer protection panel and provide transformer protection settings. Coordinate with BBEC and LCRA engineering staff to ensure coordination is correct and submit settings.
- Provide engineering services to facilitate the installation of one (1) CPV-2 Circuit switcher and footings.
- Provide engineering services to facilitate the installation of a new transformer pad with moat. (9" reveal) (if bidder requires a geotechnical soil bore, bidder shall state so and include the cost of the geo-tech in the bid)
- Provide engineering services for the installation of (1) one transformer structure (with vacuum interrupter switches) and footings.
- Evaluate concrete mix design provided by contractor to ensure proper mixture properties.
- Provide engineering services to evaluate ampacity ratings of ALL substation components to ensure that they are all sufficiently sized for new capacity of PWTs in the station. (Hook switches, Breakers, Conductors, ETC...)
- Provide engineering services to updated fault currents, line impedances, facility ratings and KA ratings required in the Aspen Model.
- Provide engineering services that will develop Relay and Control drawings of all necessary ring bus equipment, PWT R&C connections in the new transformer control cabinet, circuit switcher and transformer protection panel to ensure proper coordination.
- Provide updated line relay protection settings for necessary equipment.
- Provide engineering services to design the cable and conduit schedule and layout for all substation components.
  
- Provide engineering services to provide lightning protection with the use of dynaspheres.
- Provide engineering services to update control house design with the addition of one (1) transformer protection panel, (1) one (LCRA owned) metering panel, (1) one SIP telecom panel, and (4) four 138kV circuit breaker panels as deemed necessary to support ring bus design.
- Provide engineering services to redesign control house for the addition of (2) two new battery rooms and removal of existing battery room wall. Relay panel lines to be extended for the addition of necessary panels.

- Provide engineering services to install addition AC/DC panel boards as deemed necessary.
- Update all substation drawings to reflect the new construction and/or retirement of the scope of the project.
- Update drawings to reflect the addition of one 300kva MTU, conduits, and footings.
- Provide engineering services to review and update BBEC construction units and create a detailed accurate bill of materials (steel, concrete, electrical equipment and cable/s) for the transformer addition. Shall include quantities and manufacturer part numbers in a Microsoft Excel sheet.
- Update Spill Protection Plan for the substation and create a new protection plan board to be posted at the substation. Include SPCC plan in drawings in both CAD and Microsoft Word Format.
- Provide AutoCad 2018 (or newer version) and PDF drawing of R&C, structural and electrical drawings for bid and construction (Issued for Bid and Issued for Construction). (all prints shall be labeled by the name of the print and the date the print was created)
- Provide detailed material list needed to implement the R&C, structural and electrical work that is designed (including manufacturer part numbers and quantities needed) in an Excel sheet.
- Provide as-built prints at the completion of the project in AutoCad 2018 (or newer version) and PDF. **(90 Day Deadline after as-builts have been received)**. (all prints shall be labeled by the name of the print and the date the print was created)

## **BBEC SCOPE OF WORK**

- Provide the R&C, Electrical and Structural drawings for use as “go-by” drawings.
- Provide BBEC construction drawings for review and bill of material creation.
- Provide all necessary drawings requested by engineering firm that is awarded the project; within reason that is applicable to the project scope.
- Allow reasonable access to the substation for the firm if needed to perform services as requested.
- Initiate pre-design and progress meetings with the firm that is awarded the project.
- Submit red-line markup of prints after construction for the engineering firm to perform as-built requirements.

## **GENERAL INSTRUCTIONS FOR BIDDING TO BLUEBONNET ELECTRIC COOPERATIVE**

## REQUEST FOR BIDS-TERMS AND CONDITIONS

### **Instructions**

The following instructions apply to all bids and become a part of the terms and conditions of any bid submitted, unless bidder takes exception in writing when submitting bid.

### **Form**

Bidder must provide their own itemized bid form that displays cost per itemized expectation from the scope of work section of the bid package.

### **BIDDER MUST RETURN THE ENTIRE ORIGINAL BID DOCUMENT WITH BID.**

### **Bid Return**

Bid must be received, and to ensure proper recognition upon arrival, list the Bidding Company Name, Address and Bid Number on the outside of your envelope.

### **Authorized Signature**

Bids must show full firm name and mailing address of bidder and be manually signed by an authorized sales or quotation representative of the bidder. Firm name and authorized signature should appear on each page of bid where spaces are provided. Submission of a signed bid will be interpreted to mean that bidder has hereby agreed to all terms and conditions set forth in all of the sheets which make up this invitation.

### **Late Bids**

Bids must be received at the location indicated in the bidding documents and received prior to the time indicated on this form. Late bids will not be opened and will be returned to the bidder upon written request.

### **Withdrawal-Alteration of Bids**

Bids cannot be altered after receiving time or opening time. No bid may be withdrawn after opening time without acceptable reason in writing and with the approval of Bluebonnet Electric Cooperative.

### **Firm Prices**

Bid prices must be firm for a minimum of 90 days from the date of bid opening.

## **Best Value**

All bidders are hereby notified that Bluebonnet Electric Cooperative shall consider all factors it believes to be relevant in selecting the offer that provides the best value, including, but not limited to, the purchase price, the proximity of the bidder as it relates to his ability to perform the contract for Bluebonnet Electric, the delivery date, the reputation of the bidder and the bidder's goods or services, the quality of the bidder's goods or services, and the bidder's past performance under contracts with Bluebonnet Electric.

## **Right to Reject Bids**

Bluebonnet Electric Cooperative reserves the right to accept or reject any or all bids, to waive any informalities and technicalities, to accept the offer considered most advantageous in order to obtain the best value for Bluebonnet Electric Cooperative. Causes for rejection of a bid may include, but shall not be limited to, the bidder's current inability to satisfactorily perform the work or service, or the bidder's previous failure to properly and timely perform its obligations under a contract with Bluebonnet Electric Cooperative. Bidders may be disqualified and rejection of proposals may be recommended for any (but not limited to) of the following causes: 1) Failure to use the proposal form furnished by Bluebonnet Electric Cooperative; 2) Lack of signature by an authorized representative on the proposal form; 3) Failure to properly complete the proposal; 4) Evidence of collusion among bidders; or 5) Unauthorized alteration of bid form. Bluebonnet Electric Cooperative reserves the right to waive any minor informality or irregularity.

## **No Bids**

If bidder is unable to quote, the bid form should be returned to the purchasing agent before opening time, and reason given for not bidding if bidder desires to bid on future purchases.

## **Award of Contract**

The bid award may be based on, but not necessarily limited to, the following factors:

- a. The purchase price, including payment discount terms;
- b. The reputation of the bidder and of the bidder's goods or services;
- c. The quality of the bidder's goods or services;
- d. The extent to which the goods or services meet Bluebonnet Electric's needs;
- e. The bidder's past relationship with Bluebonnet;
- f. The total long-term cost to Bluebonnet Electric to acquire the bidder's goods or services;  
and
- g. Any relevant criteria specifically listed in this request for bid.

Bluebonnet Electric prefers to award the entire contract to a single Contractor; although, Bluebonnet Electric reserves the right to award multiple contracts to secure the best value for Bluebonnet Electric.

## **Payment of Invoices**

Invoices must be scanned and submitted by the successful bidder to Brian Mitschke, Superintendent of Technical Services, [brian.mitschke@bluebonnet.coop](mailto:brian.mitschke@bluebonnet.coop).

1. The determination of quantities of work acceptably completed under the terms of the contract, or as directed by the Bluebonnet Electric in writing, will be made by the inspector or subcontractor assigned by Bluebonnet Electric.
2. The payment of any current or partial estimate prior to final acceptance of the work by the Owner shall in no way constitute an acknowledgment of the acceptance of the work, nor in any way prejudice or affect the obligation of the Contractor to repair, correct, or replace, at his own expense, any defects, imperfections, or damages resulting from defects or imperfections in the construction. The Project Manager shall be the sole judge of such defects, imperfections, or damage.

Any item of work not covered in the proposal will not be paid for directly, but shall be considered as subsidiary to a regular bid item.

### 3. Retainage

As security for the faithful and satisfactory completion of the work by the Contractor, Bluebonnet Electric Cooperative may retain up to 5 percent of the total dollar amount of work completed on all contracts until acceptance by Bluebonnet Electric Cooperative.

### 4. Final Acceptance

After Contractor has completed the Work, Contractor shall notify Bluebonnet and request a final inspection of the Work or a sample thereof. Bluebonnet shall inspect or cause to be inspected all or a portion of the Work, and prepare and deliver to Contractor an itemized list of all Work, if any, which is found to be unacceptable.

### 5. Final Payment

Whenever the improvements provided for by the contract shall have been completely performed on the part of the Contractor as evidenced by the inspector, the contractor will provide a final invoice. All prior estimates upon which payments have been made are subject to necessary corrections or revisions in the final payment. The amount of this final invoice less any sums previously paid under the provisions of the contract, will be paid the Contractor within thirty (30) days after final acceptance provided the Contractor has furnished Bluebonnet Electric satisfactory evidence that all sum of money due for any labor, materials, apparatus, fixtures, or machinery furnished for and used in the prosecution of the work, or that the person or persons to whom the same may respectively be due have consented to such final payment.

### **Safety Data Sheets**

SDS's must be provided prior to or with receipt of order, and when revised. Containers must be properly labeled and identified in accordance with the OSHA Hazard Communication Standard. Improperly labeled containers will result in refusal of the shipment and possible change in vendors.

### **Addenda**

In the event of a needed change in the published bid documents, it is understood that all the foregoing terms and conditions and all performance requirements will apply to any published addendum.

All published addenda shall be signed and included with the response package as acknowledgement of the addendum. Bidders are responsible for obtaining all published addenda from Bluebonnet Electric Cooperative. Bluebonnet Electric Cooperative assumes no responsibility for the Bidders failure to obtain or properly submit any addendum. Failure to acknowledge and submit any addendum may be cause for the bid to be rejected. Bluebonnet Electric's decision to accept or reject any particular bid due to a failure to acknowledge and submit addenda shall be final.

### **Examination of Site**

Bidders are required, prior to submitting any proposal, to read the specifications carefully, to visit the site of the work, to examine carefully local conditions, to inform themselves by their independent research, test and investigations of the difficulties to be encountered and judge for themselves of the accessibility of the work and all attending circumstances affecting the cost of doing the work or time required for its completion and obtain all information required to make an intelligent proposal. No information given by Bluebonnet Electric other than that contained in the specifications shall be binding upon Bluebonnet Electric. Bidders shall rely exclusively upon their own estimates, investigations, tests and other data which are necessary for full and complete information upon which the proposal may be based. It is mutually agreed that submission of a proposal is evidence that the bidder has made the examination, investigations and test required herein.



Bluebonnet Electric Cooperative

**Certification of Bid**

**Re: Sandy Hill High Side and T2 Addition engineering**

I, the undersigned, hereby certify and represent that I am duly authorized to submit this bid on behalf of the firm identified herein and that this firm hereby agrees to be bound by and is willing, capable and does qualify to comply with all the provisions specified herein for completion of the services requested at the terms and conditions as quoted.

Representative's Name:

\_\_\_\_\_  
*(Please print or type)*

Representative's Signature:

\_\_\_\_\_

Representative's Title:

\_\_\_\_\_

Date: \_\_\_\_\_

Bidding Firm Name and Address:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Phone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

