

July 25, 2025



Invitation to Bid

Engineering Services for 2025 Lyle Wolz to Lyons Structure Change Out and Re-conductor

BF-1820

Bluebonnet Electric Cooperative would like to invite you to submit a firm bid for engineering services for the Lyle Wolz to Lyons structure change out and re-conductor. The Lyle Wolz to Lyons transmission line is owned by Bluebonnet Electric Cooperative and is located in the Burleson County area. This line segment is approximately 14 miles long and begins at the Lyle Wolz Substation and travels East ending at the Lyons Substation.

This line segment was built to support 336 ACSR. Bluebonnet Electric needs engineering services to design new structures to support 959 ACSS Suwanee conductor (Heavy Loading) with a new 144 fiber OPGW. (Structure change out and Reconductor)

All bid submittals with the required bid information are due on or before **August 29, 2025**, to Brian Mitschke, Superintendent of Technical Services by **2 p.m.** via email or by hard copy (email preferred). The Engineering services shall start in **September 2025** with IFB drawings issued **November 2025** and IFC drawings completed on or before **December 2025**. The construction for this structure change out will be performed in the 2026 calendar year.

Brian Mitschke
Superintendent of Technical Services
3186 East Austin Street
Giddings, TX 78942
brian.mitschke@bluebonnet.coop
Office – 1-979-542-8682

Bid Package shall include (minimum):

1. Cost estimate for each of the Deliverables below (Itemized)
2. Total firm cost for the bid
3. Exhibit "A" shall include bidding firm's pricing schedule
4. Exclusions taken by bidding firm

Engineering Deliverables (are to include, but not limited to):

1. Complete set of transmission structure and foundation drawings "For Bid" and "Approved for Construction"
2. Completed PLS Model, KMZ file (Google Earth)
3. Construction bid specification and bid unit documents (provided by BBEC to engineering firm)
4. Complete transmission Bill Of Materials (BOM)
5. Complete set of As-Built drawings upon completion of construction (PDF and AutoCad)
6. Electronic drawing files "For Bid", "Approved for Construction" and "As-Built" (PDF and AutoCad, KMZ)
7. Provide any and all other engineering reports as needed or used in this project (soil borings, foundation design calculations and etc.)
8. Soil Investigation (soil borings) (3 soil bores minimum) if needed
9. SWPPP study (Environmental studies if required)
10. Update line impedances (Cape Line Constant)
11. Update facility ratings (normal, emergency and conductor)
12. Update line relay settings if applicable (a review of the settings at a minimum)
13. Perform protection system coordination verification

Engineering deliverables shall include:

1. Engineered plan and profile for the replacement of the of the current wood pole structures – PLS CADD Model:
 - a. Use Google Earth structure and angle coordinates
 - b. Incorporating Chartiff elevation data; ownership data on the plan
 - c. Creation of Plexscape Google Map Ortho
 - d. Pole models of new steel H-frame structures

- e. Loading Cases
- f. Engineering wire model of existing 336 ACSR conductor and (2) 3/8" HS Shield wire
- g. Engineering wire model of future 959 ACSS conductor and (1) 3/8" HS Shield wire and 144 OPGW
- h. Location of any and all distribution under build or crossings
- i. Railroad, TXDOT, County or Farm to Market crossings
- j. All permits required for completion of the project

2. Engineered structure drawings – AutoCad

- a. Drawings to include layout, hardware material list, load diagram and details
- b. Structure drawings for each pole design used
- c. Material list for each structure type and material list for entire project
- d. Provide PDF drawings to Bluebonnet for construction bidding purposes
- e. Provide load calculations for new structures for pole manufacturer use
- f. Review vendor engineering drawings and calculations

3. Engineered Foundation drawings- AutoCad, analyzed per Caisson/LPile

- a. Using Soil Bore Report, provide foundation drawings for all structure types

Bluebonnet Deliverables:

- 1. BBEC will provide accurate updated distribution facility measurements as required
- 2. BBEC will provide any and all mylar, PDF or AutoCad drawings of the line segment if available for the firm to meet the deliverables
- 3. BBEC will make the BBEC project manager available at reasonable notice to firm for project meetings to meet project timelines as agreed upon

4. BBEC will provide access to line segment ROW for onsite services required for this project (firm shall undergo a member best practices meeting with BBEC before performing field services)

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

Bid must be submitted on this form only, in a single copy, unless otherwise stated.

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.

1. The determination of quantities of work acceptably completed under the terms of the contract, or as directed by 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: **Lyle Wolz to Lyons Reconductor**

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: _____

Exceptions List

[illegible]