



ROCKY MOUNT
FINANCE
THE CENTER OF IT ALL

ENERGY RESOURCES

ELECTRIC DIVISION

Request for Quote #: 320- 210923CG

Steel Poles for Transmission Line Upgrades at South POD

Date of Issue: 10/09/2023

Quote Due Date: 10/23/2023

2:00 P.M.

Direct all inquiries concerning this RFQ to:

Casey Garris

Purchasing Associate I

Email: casey.garris@rockymountnc.gov

Phone: 252-972-1226



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For purchasing division processing, please provide your company's Federal Employer Identification Number or alternate identification number (e.g. Social Security Number). Pursuant to North Carolina General Statute 132-1.10(b) this identification number shall not be released to the public. **This page will be removed and shredded, or otherwise kept confidential**, before the procurement file is made available for public inspection.

**This page is to be filled out and returned with your bid.
Failure to do so may subject your bid to rejection.**

ID Number:

Federal ID Number or Social Security Number

Vendor Name

“All bidders are hereby notified that they must have the proper license as required under the North Carolina laws. All prospective contractors shall be responsible for complying with state law and local ordinances.”

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1.0 PURPOSE AND BACKGROUND

The City of Rocky Mount is seeking quotes from qualified vendors to provide steel poles for transmission lines as referenced in this document.

This project consists of the supply and delivery of steel poles including steel crossarms for the upgrade of the 69KV overhead transmission lines out of the south POD substation at the City of Rocky Mount, NC.

Quotes shall be submitted in accordance with the terms and conditions of this RFQ and any addenda issued hereto.

2.0 GENERAL INFORMATION

2.1 REQUEST FOR QUOTE DOCUMENT

The RFQ is comprised of the base RFQ document, any attachments, and any addenda released before Contract award. All attachments and addenda released for this RFQ in advance of any Contract award are incorporated herein by reference. Vendor may attach its quote to this RFQ for submission; however, any and all additional, modified or conflicting terms and conditions submitted on or with Vendor’s quote shall be disregarded and shall not be considered a part of any contract arising from this RFQ. Any attempt to delete or avoid the force of the previous sentence shall render Vendor’s quote invalid, and it shall not be considered.

2.2 NOTICE TO VENDORS REGARDING TERMS AND CONDITIONS

It shall be the Vendor’s responsibility to read the Instructions, the Cities’ terms and conditions, all relevant exhibits and attachments, and any other components made a part of this RFQ and comply with all requirements and specifications herein. Vendors are also responsible for obtaining and complying with all Addenda and other changes that may be issued concerning this RFQ.

If Vendors have questions, issues, or exceptions regarding any term, condition, or other component within this RFQ (including proposed alternate language), those **must** be submitted as questions in accordance with the instructions in Section 2.4. QUESTIONS ABOUT QUOTE. If the City determines that any changes will be made resulting from the questions asked, then such decisions will be communicated in the form of an RFQ addendum. The City may also elect to leave open the possibility for post-contract negotiation and amendment of specific provisions of the Contract that have been addressed during the question and answer period. Other than through this process, the City rejects and will not be required to evaluate or consider any additional or modified terms and conditions submitted with Vendor’s quote. This applies to any language appearing in or attached to the document as part of the Vendor’s quote that purports to vary any terms and conditions or Vendors’ instructions herein or to render the quote non-binding or subject to further negotiation. *Vendor’s quote shall constitute a firm offer.* **By execution and delivery of a quote in response to this RFQ, the Vendor agrees that any additional or modified terms and conditions, whether submitted purposefully or inadvertently, shall have no force or effect, and will be disregarded. Noncompliance with, or any attempt to alter or delete, this paragraph shall constitute sufficient grounds to reject Vendor’s quote as nonresponsive. Any quote that contains language that indicates the quote is non-binding or subject to further negotiation before a contractual document may be signed shall be rejected.**

Contact with anyone working for or with the City regarding this RFQ other than the City of Rocky Mount Purchasing Office Contract Lead named on the face page of this RFQ or in the manner specified by this RFQ shall constitute grounds for rejection of said Vendor’s offer, at the Cities election.

2.3 RFQ SCHEDULE

The table below shows the *intended* schedule for this RFQ. The City will make every effort to adhere to this schedule.

Action	Responsibility	Date/Time
Issue RFQ	City	Monday 10/09/2023
Submit Written Questions/Question Deadline	Vendors	Monday 10/16/2023 5:00PM
Provide Response to Questions/Addendum	City	Thursday 10/19/2023

Quote Number:320- 210923CG

Vendor: [Redacted]

Submit Bids	Vendors	Monday 10/23/2023 2:00PM
Award Contract	City	TBD

2.4 QUESTIONS ABOUT QUOTE

Purpose: Upon review of the RFQ documents, Vendors may have questions to clarify or interpret the RFQ in order to submit the best quote possible. To accommodate the Quote Questions process, Vendors shall submit any such questions by the above due date.

Instructions: Written questions shall be emailed to casey.garris@rockymountnc.gov by the date and time specified above. Vendors should enter "RFQ #320-210923CG – Questions" as the subject for the email. Questions submittals should include a reference to the applicable RFQ section and be submitted in a format shown below:

Reference	Vendor Question
RFQ Section, Page Number	Vendor question...?

Questions received prior to the submission deadline date, the City 's response, and any additional terms deemed necessary by the City will be posted in the form of an addendum, available on the City of Rocky Mount Purchasing webpage <http://www.rockymountnc.gov/services-finance-bids/>, and/or the North Carolina's Interactive Purchasing System (IPS), <http://www.ips.state.nc.us>, and shall become an Addendum to this RFQ. No information, instruction or advice provided orally or informally by any City personnel, whether made in response to a question or otherwise in connection with this RFQ, shall be considered authoritative or binding. Vendors shall be entitled to rely *only* on written material contained in an Addendum to this RFQ. The date noted in the RFQ schedule for the City to provide responses to questions also serves as the addendum deadline. If you do not receive a courtesy email notification regarding the addendum by that date do check the City of Rocky Mount Purchasing webpage.

2.5 EMAILING OR MAILING INSTRUCTIONS

Instructions: Quotes, subject to the conditions made a part hereof and the receipt requirements described below, shall be received at the address indicated in the table below, for furnishing and delivering those items as described herein.

MAILING ADDRESS FOR DELIVERY OF QUOTE VIA U.S. POSTAL SERVICE	OFFICE ADDRESS FOR DELIVERY BY ANY OTHER MEANS, SPECIAL DELIVERY, OVERNIGHT DELIVERY, OR BY ANY OTHER CARRIER
QUOTE NUMBER: 320-210923CG Attn: Casey Garris, Purchasing Associate I Address: PO BOX 1180 Rocky Mount, NC 27802	QUOTE NUMBER: 320-210923CG Attn: Casey Garris, Purchasing Associate I Address: 331 S. Franklin Street Rocky Mount, NC 27804

Vendors shall deliver either **one (1) signed electronic emailed copy** to casey.garris@rockymountnc.gov response or **one (1) signed original executed quote** to the address identified in the table in this Section. Address package and insert quote number as shown in the table above.

Quote number shall be marked on the outside of the sealed envelope with the Vendor's name and date and time of opening.

IMPORTANT NOTE: It is the responsibility of the Vendor to have the signed quote physically in this Office by the specified time and date quotes are due, regardless of the method of delivery. **This is an absolute requirement.** The time of

delivery will be marked on each quote when received, and any quote received after the submission deadline will not be accepted or evaluated.

All risk of late arrival due to unanticipated delay—whether delivered by hand, U.S. Postal Service, courier or other delivery service or method—is entirely on the Vendor. Note that the U.S. Postal Service generally does not deliver mail to the street address above, but to the City 's Mail Service Center. Vendors are cautioned that quotes sent via U.S. Mail, including Express Mail, may not be delivered to the purchasing office on the due date in time to meet the quote deadline. All Vendors are urged to take the possibility of delay into account when submitting a quote.

If quote is hand delivered please note that the Frederick E. Turnage Municipal Building requires all visitors to sign in with the guard stationed on the first floor. Visitors will only have access through the building accompanied with a City employee.

This informal RFQ does not require a public opening of bids.

2.6 QUOTE CONTENTS

Vendor shall populate all attachments of this RFQ that require the Vendor to provide information and include an authorized signature where requested, as outlined below. Vendor Responses shall include the following items and they should be arranged in the following order:

- a) Completed and signed version of EXECUTION PAGE, along with the body of the RFQ, and signed receipt pages of any addenda released in conjunction with this RFQ.
- b) Completed version of ATTACHMENT A: PRICING FORM
- c) ATTACHMENT B: INSTRUCTIONS TO BIDDERS
- d) ATTACHMENT C: ACCEPTANCE OF TERMS AND CONDITIONS
- e) ATTACHMENT D: SUPPLEMENTAL VENDOR INFORMATION

2.7 DEFINITIONS, ACRONYMS, AND ABBREVIATIONS

- a) **BUYER:** The employee of the City Department that places an order with the Vendor.
- b) **CONTRACT LEAD:** Representative of the *City of Rocky Mount Purchasing Office* who corresponds with potential Vendors in order to identify and contract with that Vendor providing the greatest benefit to the City of Rocky Mount and who will administer the contract for the City.
- c) **FOB-DESTINATION:** Title changes hand from Vendor to purchaser at the destination point of the shipment; Vendor owns commodity in transit and files any claims, and Vendor pays all freight and any related transportation charges. A solicitation may request Vendors to separately identify freight charges in their quote, but no amount or charge not included as part of the total quote price will be paid.
- d) **LOT:** A grouping of similar products within this RFQ.
- e) **ON-TIME DELIVERY:** The delivery of all items within a single order to the receiving point designated by the ordering entity within the delivery time required.
- f) **RFQ:** Request for Quote.
- g) **VENDOR:** Supplier, proposer, company, firm, corporation, partnership, individual or other entity submitting a response to a Request for Quote.

3.0 METHOD OF AWARD AND QUOTE EVALUATION PROCESS

3.1 METHOD OF AWARD

Contracts will be awarded in accordance with G.S. 143-129, 143-131 and the evaluation criteria set out in this solicitation. Prospective Vendors shall not be discriminated against on the basis of any prohibited grounds as defined by Federal and State law.

The City may obtain quotes from one or more potential Vendors. All quotes will be evaluated, and award will be based on lowest responsive quote meeting specifications.

Local Preference Policy. *The only exception to the lowest responsive, responsible bidder method of award will be the local preference policy. The preference will allow an Eligible Local Bidder to match the price and terms of the lowest responsible, responsive bidder who is a Non-Local Bidder, if the Eligible Local Bidder's price is within five percent (5%) or \$25,000, whichever is less, of the lowest responsible, responsive Non-Local Bidder's price .An eligible local vendor is one that is current on property taxes in the City of Rocky Mount and meets the qualifications set forth in the policy. An application can be found at <https://rockymountnc.gov/services-finance-vendor-registration/>*

3.2 QUOTE EVALUATION PROCESS

- a) Quotes are requested for the items as specified, or item(s) equivalent in design, function and performance. The City reserves the right to reject any quote on the basis of fit, form and function as well as cost.
- b) The City shall review the responses to this RFQ to confirm that they meet the specifications and requirements. The City reserves the right to waive any minor informality or technicality.
- c) For all responses that pass the initial review process, the City will review and assess the Vendors' pricing. The City may request additional formal responses or submissions from any or all Vendors for the purpose of clarification or to amplify the materials presented in any part of the quote. Vendors are cautioned, however, that the City is not required to request clarification, and often does not. Therefore, all quotes should be complete and reflect the most favorable terms available from the Vendor. Prices quoted cannot be altered or modified as part of a clarification.
- d) Quotes will be evaluated, based on the award criteria identified in Section 3.1 METHOD OF AWARD.

Award of a Contract to one Vendor does not mean that the other quotes lacked merit, but that, all factors considered, the selected quote was deemed most advantageous and represented the best value to the City.

Vendors are cautioned that this is a request for quote, not a request or an offer to contract, and the City reserves the unqualified right to reject any and all offers at any time if such rejection is deemed to be in the best interest of the City .

CONFIDENTIALITY DURING PROCESS: During the evaluation period and prior to award, all information concerning the quote and evaluation is confidential, and possession of the quotes and accompanying information is limited to personnel of the issuing department and any third parties involved in this procurement process, and to the committee responsible for participating in the evaluation. Any attempt on behalf of a Vendor to gain such confidential information, or to influence the evaluation process (e.g., contact anyone involved in the evaluation, criticize another Vendor, offer any benefit or information not contained in the quote) in any way is a violation of North Carolina purchasing law and regulations and shall constitute sufficient grounds for disqualification of Vendor's offer from further evaluation or consideration in the discretion of the City .

3.3 INTERPRETATION OF TERMS AND PHRASES

This Request for Quote serves two functions: (1) to advise potential Vendors of the parameters of the solution being sought by the Department; and (2) to provide (together with other specified documents) the terms of the Contract resulting from this procurement. As such, all terms in the Request for Quote shall be enforceable as contract terms in accordance with the General Contract Terms and Conditions. The use of phrases such as "shall," "must," and "requirements" are intended to create enforceable contract conditions. In determining whether quotes should be

evaluated or rejected, the Department will take into consideration the degree to which Vendors have proposed or failed to propose solutions that will satisfy the Department’s needs as described in the Request for Quote. Except as specifically stated herein, no one requirement shall automatically disqualify a Vendor from consideration. However, failure to comply with any single requirement may result in the Department exercising its discretion to reject a quote in its entirety.

4.0 REQUIREMENTS

This Section lists the requirements related to this RFQ. By submitting a quote, the Vendor agrees to meet all stated requirements in this Section as well as any other specifications, requirements and terms and conditions stated in this RFQ. If Vendor is unclear or has any question about the specifications, requirements and terms and conditions herein, it is urged and cautioned to contact the issuing department Contract Lead as specified in this RFQ.

4.1 PRICING

Quote price shall constitute the total cost to Buyer for delivery fully assembled and ready for use, including all applicable charges for shipping, delivery, handling, administrative and other similar fees. Vendor shall not invoice for any amounts not specifically allowed for in this Quote. Complete ATTACHMENT A: PRICING FORM and include Quote.

4.2 TRANSPORTATION AND IDENTIFICATION

The Vendor shall deliver Free-On-Board (FOB) Destination to the specified destination(s) with all transportation costs included in the quoted price.

When an order is placed using a purchase order, the purchase order number shall be shown on all packages and shipping manifests to ensure proper identification and payment of invoices. If an order is placed without using a purchase order, such as via phone, the Buyer’s name shall be shown on all packages. A complete packing list shall accompany each shipment. Vendors shall not ship any products until they have received an order.

4.3 DELIVERY

The Vendor shall deliver Free-On-Board (FOB) Destination to the following location(s):

2716 Berkley Drive, Rocky Mount, NC 27803

Successful Vendor shall complete delivery as soon as possible after receipt of purchase order.

For completion by Vendor: Delivery will be made from [REDACTED] (city, state) within [REDACTED] consecutive calendar days after receipt of purchase order. Promptness of delivery may be used as a factor in the award criteria.

Delivery shall not be considered to have occurred until installation has been completed. Upon completion of the installation, the Vendor shall remove and properly dispose of all waste and debris from the installation site. The Vendor shall be responsible for leaving the installation area clean and ready to use.

- Each shipment shall be accompanied by a list of all parts, Identifiable by structure type and number. Arms, bolts and miscellaneous hardware will be identified by the list for matching up with the respective pole shaft. All parts required for any one structure shall be in one shipment, if possible.
- The Owner and Owner’s representative shall be notified prior to shipment that such shipment is to take place, and they reserve the right to inspect the components prior to shipment. The notification shall give quantities, weight, name of common carrier used, and expected time of arrival.
- The anchor bolts shall be welded to the holding plate in the bottom of the cage. A removable template shall be used at the top of the cage and shall be marked to show the centerline for tangent structures and the angle bisector for angle structures. Matching marks are to be on the base plate so proper alignment can be made. Bolt clusters shall be rigid enough to withstand the normal jolts of shipping and handling with no displacement of bolts from the proper positions within the cluster.

- Unless otherwise agreed to by the Owner, the anchor bolt cage shall be shipped at least thirty days prior to pole shipment.
- Salt-treated wood blocking and urethane foams shall not be used when shipping or storing weathering steel poles.
- Delivery shall be made either to a single designated location or to the individual structure locations.
- Manufacturer shall be prepared to unload the poles and place in a designated area identified by the Owner.

4.4 QUALITY ACCEPTANCE INSPECTION

It is the responsibility of the receiving department to inspect all materials, supplies and equipment upon delivery to ensure compliance with the contract requirements and specifications.

INVOICES MAY NOT BE PAID BY THE USING DEPARTMENT UNTIL AN INSPECTION HAS OCCURRED AND THE GOODS ACCEPTED.

4.5 PRODUCT RECALL

Vendor expressly assumes full responsibility for prompt notification to the Buyer listed on the face of this RFQ of any product recall in accordance with the applicable state or federal regulations. The Vendor shall support the City, as necessary, to promptly replace any such products, at no cost to the City.

4.6 WARRANTY

Manufacturer’s standard warranty shall apply. Vendors shall include a copy of the manufacturer’s standard warranty with the quote response.

4.7 INVOICES

- a) The Vendor must submit one monthly invoice within fifteen (15) calendar days following the end of each month in which work was performed.
- b) Invoices must be submitted to the following address:
 - Accounts Payable
 - PO BOX 1180
 - Rocky Mount, NC 27802
 - or
 - acctpayable@rockymountnc.gov

Vendor shall invoice the City of Rocky Mount Accounting Department. The standard format for invoicing shall be Single Invoices meaning that the Vendor shall provide the Buyer with an invoice for each order. Invoices shall include detailed line item information to allow Buyer to verify pricing at point of receipt matches the correct price from the original date of order. At a minimum, the following fields shall be included on all invoices:

Vendor’s Billing Address, Customer Account Number, NC Contract Number, Order Date, Buyers Order Number, Manufacturer Part Numbers, Vendor Part Numbers, Item Descriptions, Price, Quantity, and Unit of Measure.

4.8 MINORITY BUSINESS PARTICIPATION

The Bidder has the responsibility to make a good faith effort to solicit minority proposals and to attain the aspirational ten percent (10%) goal. We encourage all Bidders even MWBE/HUBs to obtain the aspirational goal where sub-contracting and supplier opportunities exist.

MWBE FIRM	OWNERSHIP STATUS	ADDRESS	WORK TYPE

4.9 REFERENCES

Vendors shall provide at least three (3) different references for which your company has provided Services of similar size and scope to that proposed herein. The city of Rocky Mount may contact these users to determine the Services provided are substantially similar in scope to those proposed herein and Contractor’s performance has been satisfactory. The information obtained shall be considered in the evaluation of the quote. If city of Rocky Mount references are provided it cannot be counted towards your three (3) required references but may be included in addition to.

COMPANY NAME	CONTACT NAME	TELEPHONE NUMBER	EMAIL
Optional: City of Rocky Mount			

5.0 TECHNICAL SPECIFICATIONS

5.1 SPECIFICATIONS

The intent of these specifications is to describe minimum requirements for the tubular steel poles as follows:

1.0 **SCOPE**

This specification covers the design, materials, welding, inspection, protective coatings, and delivery of steel transmissions single pole structures. The Proposal submitted by the manufacturer shall include field bolts, locknuts, vangs, attachment provisions for arms and / or insulators, and other necessary items to make a complete structure. The City of Rocky Mount steel pole specifications are based on the design approved vendors. Valmont, Thomas & Betts, Sabre and Rohn are on the approved supplier list.

1.1 Quotations

Quotations will be received and evaluated by the City of Rocky Mount.

1.2 The Manufacturer shall provide quotations for the following schedules:

Schedule 1: Steel Transmissions Structures-Galvanized Steel A572, Grade 60, with Corroccote below grade protection

2.0 **DEFINITIONS**

- a. Cambering-the fabrication of a slight convex curve in a pole.
- b. D/t-the ratio of the diameter of a tubular pole to the steel plate thickness
- c. Engineer- a registered or licensed person, who may be a staff employee or an outside consultant, and who provides engineering services. Engineer also includes duly authorized assistants and representatives of the licensed person.
- d. Ground line-a designated location on the pole where the surface of the ground will be after installation of a direct embedded pole.
- e. Overload factors (OLF)- a multiplier which is applied to each of the vertical, transverse and longitudinal structure loads to obtain an ultimate load
- f. P-delta moment-secondary moment created by the vertical loads acting on the structure when the structure deflects from its unloaded position
- g. Point-of -fixity-location on the pole at ground line or below ground line where the maximum moment occurs
- h. Raking-the practice of installing a straight pole of plumb, or at an inclined angle
- i. W/t-ratio of the width of the pole(flat-to-flat) to the plate thickness
- j. Ultimate load-the maximum design load which includes the appropriate overload factor specified

3.0 **CODES AND STANDARDS**

Codes, standards, or other documents referred to in this specification shall be considered as part of this specification. The following codes and standards are referenced:

- a. American Institute of Steel Construction (AISC), Specification for the Design, Fabrication and Erection of Structural Steel for Buildings, latest edition.
- b. American Society of Civil Engineers (ASCE) Standard, Design of Steel Transmission Pole Structures, Manual 72, latest edition.
- c. American Concrete Institute (ASTM), various standards, latest edition.
- d. American Concrete Institute (ACI), Building Code Requirements for Reinforced Concrete, ACI 318, latest edition.
- e. American Welding Society (AWS), Structural Welding Code, AWS D1.1, latest edition.
- f. American National Standards Institute (ANSI), National Electrical Safety Code, ANSI C2, latest edition.
- g. Steel Structure Painting Council (SSPC), Surface Preparation Specification, SPCC-SP6, latest edition.

4.0 **CONFLICT BETWEEN THIS SPECIFICATION, DRAWINGS AND AND REFERENCED DOCUMENTS**

In the event of conflict between this specification and the above referenced documents, the requirements of this specification shall take precedence. In the case of conflict between several referenced documents, the more stringent requirement shall be followed. If a conflict exists between this specification or the referenced documents, please contact the Owner or Owner’s representative.

5.0 **GENERAL REQUIRMENTS**

The design, fabrication, allowable stresses, processes, tolerances, and inspection shall conform to American Society of Civil Engineers (ASCE) Standard, Design of Steel Transmission Pole Structures, latest edition, with the following additions and / or exceptions:

5.1 Design

The structure shall be capable of withstanding all specified loading cases including secondary stressed from foundation movements when specified in Appendix C, but not considering the possible restraining effect of conductors or shield wires. The structure shall withstand the loads without failure, permanent distortion, or exceeding any specified deflection limitations.

5.1.1 Wind pressures shown in the loading criteria shall be multiplied by the appropriate shape factor applied to the poles. Pressures in psf shall be computed as follows:

$$P=W \times Cd$$

Where p= pressures on projected area of the pole normal to wind, W= Wind pressure, and Cd=shape (or drag) factor.

Shape factors for computing the wind on poles are:

- Round=1.0**
- Hexagon-1.4**
- Octagon=1.4**
- Dodecagon=1.0**
- Square=1.6**

5.1.2 The maximum design unit stress shall be the minimum yield strength as stated in applicable ASTM specifications for the particular application and types of loads, including overload factors. Poles shall be designed with a minimum number of joints. Field welding shall not be allowed as part of the design of a new pole. The shaft joints to be made in the field shall be slip joints or bolted flange joints. Slip joint length shall be at least one and one half (1-1/2) times the largest inside diameter of the female section. Bolted flange joints shall be used for medium angle and heavy angle guyed structures and x-braced h-frame structures. If approved by the Owner or Owner’s representative, a strap across the pole splice to prevent separation of the male and female sections of the pole may be used for X-braced H-frame structures. Approval must be obtained prior to bid.

5.1.4.1 Manufacturer shall verify slip joint fit before Shipments. Joints should not interfere with vangs, through holes or jacking nuts.

5.1.4.2 Sufficient jacking lugs and permanent orientation marks shall be provided at all slip joints to ensure proper alignment and complete overlap of the joint.

5.1.4.3 Bottom section to be shorter that the top section.

- 5.1.4.4 Jacking Lugs shall not allow free open access to interior of pole from the outside.
- 5.1.5 The ultimate load in guys shall not exceed sixty-five percent (65%) of the rated breaking strength of the guy.
- 5.1.6 Design of anchor bolts shall be in accordance with the ACI -318-1983 Edition, Building Code Requirements for Reinforced Concrete, assuming a concrete strength as specified by the Owner.
- 5.1.6.1 When anchor bolts are specified, they shall have the top two feet (2'-0") galvanized. Anchor bolts shall be threaded at the top end a distance equal to the base plate thickness, plus the thickness of two (2) anchor bolt nuts, plus two and one-half inches (2-1/2"). Each anchor bolt shall include two (2) heavy hex nuts.
- 5.1.6.2 Welding on anchor bolts will only be allowed in the bottom twelve inches (12"). Only one (1) length of anchor bolt shall be used on each pole. Anchor bolts/clusters shall be plainly marked to indicate the structure type, structure number, orientation, and top of concrete.
- 5.1.6.3 Anchor bolts shall be designed to be shipped as a rigid cage with top and bottom plates holding the anchor bolts in place. The anchor bolt thread shall be protected during shipping. The anchor bolts shall be welded to the holding plate in the bottom of the cage. The top template shall be designed to be removable and to support the assembled cage during lifting and setting operations without detrimental deformations. Bolt clusters shall be designed to be rigid enough to withstand the normal jolts of shipping, handling and installation with no displacement of bolts from the proper positions within the cluster.
- 5.1.6.4 The removable template at the top shall be marked to show the centerline for tangent structures and the angle bisector for angle structures. Matching marks are to be on the base plate of the structure so proper alignment can be made.
- 5.1.7 Minimum plate thickness for all pole components shall be three-sixteenths inch (3/16").
- 5.1.8 Structures which are to be direct embedded shall have
Which are to be direct embedded shall have bearing plates. Bearing plates shall have a diameter not more than two inches (2") greater than the maximum pole diameter.
- 5.1.8.1 Galvanized pole shall have a drain hole at the
Bottom. When a painted finish is specified, poles shall be hermetically sealed.
- 5.1.8.2 The ground sleeve shall have a minimum thickness of three-sixteenths inch (3/16") and shall be centered at the ground line. A seal weld shall be provided around the ground sleeve. The ground sleeve shall not be considered in strength calculations.
- 5.1.9 Poles shall have nearly a uniform taper throughout their
Entire length. The maximum difference in tapers between two (2) pole sections measured by the diameters shall be .20 inch/ft. for poles with variable taper.
- 5.1.10 Poles with elliptical cross sections shall have a minor axis dimension equal to at least seventy-five percent (75%) of the major axis dimension.

- 5.1.11 All unguyed angle poles or unguyed tangent deadends shall pre-cambered to remain plumb when the calculated deflection at the top of the pole exceeds one percent (1%) of the pole height under an initial conductor tension loading of sixty degrees Fahrenheit (60f), no wind, and no overload factors. Pole height shall be the height of the pole from top of the base plate, or designated ground line, to the top. Tangent poles with unbalanced vertical loading shall be pre-cambred for the previously stated conditions.
- 5.1.11.1 Tangent and guyed angle structures have been Specified as wood poles class equivalent steel poles.
- 5.1.11.2 Wood pole class equivalent steel poles shall be Classed based on ANSI 05.1 Annex B loading with appropriate NESC Grade B overload factors.
- 5.1.11.3 The Material man is responsible for determining the “worst-case” orientation, for an unguyed structure, of the wind load and applying it in the design calculations.
- 5.1.11.4 The Material man shall calculate the deflections for the sixty degrees Fahrenheit (60f) initial tension and sixty degrees Fahrenheit final tension load cases. The material man shall limit the difference in deflection produced by these two (2) loads cases to six inches (6”) or less.
- 5.1.11.5 If shop cambering is required, the manufacturer shall prefit multi-piece poles together prior to cambering.
- 5.1.11.6 The manufacturer shall verify at the plant prior to shipment that the appropriate orientation and magnitude of pre-camber is built into those structures requiring shop cambering.
- 5.1.11.7 The manufacturer is responsible for repairing or replacing any structures which are delivered to the site with manufacturing errors. Repair and / or replacement costs shall include the structure itself, as well as any associated construction costs.
- 5.1.11.8 The shop camber dimension and orientation or the raking dimension and orientation (whichever is applicable) shall be clearly marked on the Material man’s Detail Drawings.
- 5.1.12 Lifting lugs are optional. The manufacturer shall supply all instructions for handling and erection of poles and arms.
- 5.1.13 In the design of connections for vangs, brackets, or stiffeners Attached to the pole shaft, care shall be taken to distribute the loads sufficiently to protect the wall of the pole from local buckling.
- 5.1.14 Each pole shall be permanently marked on the pole shaft sixty inches above ground line and on the bottom of base plate or bearing plate with the following identifying information: structure type, height, structure number, ultimate ground line moment, Owner name, and date manufactured. The method of identification shall be approved by the Owner.
- 5.1.15 Grounding Attachments
- 5.1.15.1 One (1), two (2)-hole NEMA grounding pad shall Be provided on the side of each pole in the following locations:
- a. One foot below the overhead ground wire to Provide a Grounding location.

- b. One foot below neutral attachment to provide a grounding location for the neutral.
- c. A minimum of six inches above the top of the Protective coating applied to the embedded section of the pole, or two-feet six inches above the top of the foundation of surface-mounted poles.

5.1.15.2 Grounding pads and threads shall not be painted or covered with other coatings.

5.1.18

5.1.18.1 Tubular sections shall be sealed from moisture entering the inside of the pole. Factory drilled pole holes shall be plugged to prevent moisture intrusion during shipping. For field drilled poles and factory drilled poles, manufacturer shall provide silicon sealant to seal all through-bolt holes. Non-drilled poles when assembled shall be effectively sealed to prevent moisture intrusion.

5.1.18.1.1 Connections shall be designed to reduce the effect of pack-out by preventing moisture from entering the joint or by designing the connection to allow moisture to easily drain off.

5.1.18.2 Plastic plugs shall be installed in all nuts welded to and all tapped holes.

6.0 Information to be supplied by the Manufacturer

6.1 Information to be supplied with the Proposal

- a. Calculated shipping weight of each structure excluding anchor bolts. Separate weights shall be given for arms and poles.
- b. Calculated shipping weight of anchor bolts.
- c. Ultimate ground line reactions (including overload factors) in Poles and guy wires.
- d. Anchor bolt size, length, and locations (bolt circle diameters).
- e. Type of material of major components (ASTM number).
- f. Description of pole shaft, including thickness, length, diameter Cross-sectional geometry, and method of fastening each shaft component.
- g. Data showing the design of the arm, arm connections, arm attachment plates, and brackets.
- h. Design exceptions.

6.2 Documentation to be Supplied for the Owner’s Approval Prior to Fabrication

Documentation includes final design calculations for pole shaft, base plate, anchor bolts, arms, and other appurtenances, including their connections for all structures. The following information shall be supplied:

- a. For the loading cases with overload factors, the total shear, Axial forces, moments, stresses or stress ratios, section moduli, cross-sectional areas, deflections w/t’s for

polygonal and D/t's for round cross sections at all splices, at arm attachment points (top and bottom), and at least every ten feet (10'-0") along the pole.

- b. For the critical loading case, shear and axial forces, moments, stresses, section moduli, cross-sectional areas at the arm connections, bolt stresses in the arm connection, and deflection at the end of the arm.
- c. Anticipated deflections at the top of the pole and at the ends of the arms shall be indicated for each pole for the normal, everyday loading condition of sixty degrees Fahrenheit, no wind, no overload factors.
- d. For all specified loading cases, reactions and ground line moments shall be supplied.
- e. Detail drawings for each structure type giving weights of structure components, dimensions, and bill of materials.
- f. Assembly instructions and erection drawings. Slip joint lengths and allowable tolerances. Special handling instructions.

6.3 Final Documents shall be supplied to the Owner for the items in paragraph 6.2.e. after erection of all structures and prior to final payment.

6.4 Test Reports (as requested)

- a. Certified mill test reports for all structural material
- b. Certified welding reports for each structure
- c. Impact property test reports showing that the material used in the structures meets the impact properties
- d. Test reports on coating thickness
- e. Report of structure testing, when required, including photographs, diagrams, load trees, etc.

7.0 Approval, Acceptance, and Ownership

7.1 Final design must be approved by the Engineer before material is ordered and fabricated. Material ordering and fabrication prior to approval will be at supplier's risk. It is understood that award of this contract does not constitute acceptance of design calculations submitted with the bid, if corrections are required in the final structure designs due to manufacturer's errors, omissions, or misinterpretations of the specifications, the quoted price shall not change. Approval of the drawings and calculations by the Engineer does not relieve the supplier of responsibility for the adequacy of the design, correctness of dimensions, details on the drawings, and the proper fit of parts.

7.2 After delivery, the poles will be inspected and shall be free of dirt, oil blisters, flux, black spots, dross, tear-drop edges and in general, shall be smooth, attractive, and unscarred. Poles not meeting this requirement shall be repaired or replaced by the fabricator at no additional cost to the Owner.

Specifications of steel structures:

- Attached to this bid document are the design drawings for the steel structures (5 drawings).
- Poles and crossarms shall be hot-dipped galvanized steel.
- Holes should be drilled as per the attached five (5) drawings for the steel structures.
- Bolts, nuts, washers, not required.

Any contradiction or conflict between the specifications in different documents, then the attached five (5) drawings for structures supersede.

Technical Specifications of Tubular Steel Structures

Steel Transmissions Structures-Galvanized Steel A572, Grade 60, with Corroccote below grade protection, multisided

5.2 VENDOR'S REPRESENTATION

- a) Vendor warrants that qualified personnel shall provide all services that may be required under The Contract in a professional manner. "Professional manner" means that the personnel performing the services shall possess the skill and competence consistent with at least the prevailing business standards in the industry. Vendor agrees that it shall not enter any agreement with a third party that may abridge any rights of the City under The Contract. Vendor shall serve as the prime contractor under The Contract and shall be responsible for the performance and payment of all subcontractor(s) that may be approved by the City. Names of any third-party Vendors or subcontractors of Vendor may appear for purposes of convenience in Contract documents; and shall not limit Vendor's obligations hereunder.
- b) If any goods, services, functions, or responsibilities not specifically described in The Contract are required for Vendor's proper performance, provision and delivery of the goods and services under The Contract, or are an inherent part of or necessary sub-requirement included within such goods and services, they will be deemed to be implied by and included within the scope of the contract to the same extent and in the same manner as if specifically described in the contract. Unless otherwise expressly provided herein, Vendor will furnish all of its own necessary management, supervision, labor, facilities, furniture, computer and telecommunications equipment, software, supplies and materials necessary for the Vendor to provide and deliver the goods and services.
- c) Vendor warrants that it has the financial capacity to perform and to continue perform its obligations under the contract; that Vendor has no constructive or actual knowledge of an actual or potential legal proceeding being brought against Vendor that could materially adversely affect performance of The Contract; and that entering into The Contract is not prohibited by any contract, or an order by any court of competent jurisdiction.

Attachments to this RFQ begin on the next page.

ATTACHMENT A: PRICING FORM

FURNISH AND DELIVER:

STR #	TYPE	LENGTH	CLASS	EMBEDMENT	10%+X	QTY.	Unit Price	Extended Price
1	TS-5A	65	H4 WPE	8.5	2	1	\$ ETA _____	\$
1A	TS-5A	55	H4 WPE	7.5	2	1	\$ ETA _____	\$
1B	TH-7	65	H4 WPE	11.5	5	2	\$ ETA _____	\$
2B	TH-7	45	H2 WPE	9.5	5	2	\$ ETA _____	\$
3B	TH-7	55	H2 WPE	10.5	5	2	\$ ETA _____	\$

TOTAL COST (including delivery) \$



ATTACHMENT B: INSTRUCTIONS TO BIDDERS

City of Rocky Mount Instructions to Bidders Review <https://rockymountnc.gov/services-finance-vendor-registration/>

ATTACHMENT C: ACCEPTANCE OF GENERAL TERMS & CONDITIONS

Review Terms and Conditions: General at <https://rockymountnc.gov/services-finance-vendor-registration/>

/Terms and conditions on the vendor webpage that do not apply to this bid: [Federal UG Terms, FEMA Contract Provisions, Sample Contract Terms.](#)

Check here to indicate that you have read and agree to the City of Rocky Mount General Terms & Conditions.

ATTACHMENT D: SUPPLEMENTAL VENDOR INFORMATION

HISTORICALLY UNDERUTILIZED BUSINESSES

Historically Underutilized Businesses (HUBs) consist of minority, women and disabled business firms that are at least fifty-one percent owned and operated by an individual(s) of the categories. Also included in this category are disabled business enterprises and non-profit work centers for the blind and severely disabled.

Pursuant to G.S. 143B-1361(a), 143-48 and 143-128.4, the City invites and encourages participation in this procurement process by businesses owned by minorities, women, disabled, disabled business enterprises and non-profit work centers for the blind and severely disabled. This includes utilizing subcontractors to perform the required functions in this IFB. Any questions concerning NC HUB certification, contact the [North Carolina Office of Historically Underutilized Businesses](#) at (919) 807-2330. The Vendor shall respond to question #1 and #2 below.

- a) Is Vendor a Historically Underutilized Business? Yes No
- b) Is Vendor Certified with North Carolina as a Historically Underutilized Business? Yes No

If so, state HUB classification: [REDACTED]

NEW VENDOR REGISTRATION

New vendors must complete a vendor registration form using the link below. If you are a current vendor that needs to update your vendor information you may also complete the online vendor registration form. Once registration is complete email a copy of your W9 an E-Verify Affidavit to the contact person listed on the coversheet.

<https://rockymountnc.gov/services-finance-vendor-registration/>

SUSTAINABILITY

According to G.S. 143-58.2, it is the policy of this State to encourage and promote the purchase of products with recycled content and to purchase items that are reusable, refillable, repairable, more durable and less toxic to the extent that the purchase or use is practicable and cost effective.

Do the items offered have any recycled content? Yes No

If yes, what is the post-consumer recycled content? [REDACTED] % What is the total recycled content? [REDACTED] %

Other sustainable properties:

HOW TO DO BUSINESS WITH THE CITY OF ROCKY MOUNT

Becoming a Vendor <https://youtu.be/MGOjZxI4iQc>

Competing in the Bid Process <https://youtu.be/yy8dYzPOCUs>

Purchase Order, Payment and Performance <https://youtu.be/wA5zVTizZQM>