

STATE OF NORTH CAROLINA

Department of Transportation

Invitation for Bid #: 54-DLS-11978640

Headwall

Date Issued: March 1, 2021

Bid Opening Date: March 12, 2021

At 2:00 PM ET

Direct all inquiries concerning this IFB to:

Dorothy Shaw

Procurement Specialist

Email: dlshaw@ncdot.gov



STATE OF NORTH CAROLINA

Invitation for Bids #54-DLS-11978640

For internal State agency processing, including tabulation of bids in the Interactive Purchasing System (IPS), provide your company's eVP (Electronic Vendor Portal) Number or alternate identification number (e.g., Social Security Number). Pursuant to G.S. 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 shall be filled out and returned with your bid.
Failure to do so shall be sufficient cause to reject your bid.**

Vendor Name

Vendor #

Note: For your bid to be considered, your company (you) must be a North Carolina registered vendor in good standing. You must enter the vendor number assigned through eVP (Electronic Vendor Portal). If you do not have a vendor number, register at

<https://vendor.ncgov.com/vendor/login>

Sealed, mailed responses ONLY will be accepted for this solicitation

STATE OF NORTH CAROLINA

Department of Transportation

Refer <u>ALL</u> Inquiries regarding this IFB to: Dorothy Shaw dlshaw@ncdot.gov	Invitation for Bids # 54-DLS-11978640
	Bids will be publicly opened: March 12, 2021 @ 2:00 PM ET
Using Agency: Department of Transportation	Commodity No. and Description: 210-27 - Headwall
Requisition No.: 11978640	

EXECUTION

In compliance with this Invitation for Bids (IFB), and subject to all the conditions herein, the undersigned Vendor offers and agrees to furnish and deliver any or all items upon which prices are bid, at the prices set opposite each item within the time specified herein.

By executing this bid, the undersigned Vendor understands that False certification is a Class I felony and certifies that:

- this bid is submitted competitively and without collusion (G.S. 143-54),
- that none of its officers, directors, or owners of an unincorporated business entity has been convicted of any violations of Chapter 78A of the General Statutes, the Securities Act of 1933, or the Securities Exchange Act of 1934 (G.S. 143-59.2), and
- it is not an ineligible Vendor as set forth in G.S. 143-59.1.

Furthermore, by executing this bid, the undersigned certifies to the best of Vendor's knowledge and belief, that:

- it and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal or State department or agency.

As required by G.S. 143-48.5, the undersigned Vendor certifies that it, and each of its sub-Contractors for any Contract awarded as a result of this IFB, complies with the requirements of Article 2 of Chapter 64 of the NC General Statutes, including the requirement for each employer with more than 25 employees in North Carolina to verify the work authorization of its employees through the federal E-Verify system.

G.S. 133-32 and Executive Order 24 (2009) prohibit the offer to, or acceptance by, any State Employee associated with the preparing plans, specifications, estimates for public Contract; or awarding or administering public Contracts; or inspecting or supervising delivery of the public Contract of any gift from anyone with a Contract with the State, or from any person seeking to do business with the State. By execution of this bid response to the IFB, the undersigned certifies, for Vendor's entire organization and its employees or agents, that Vendor are not aware that any such gift has been offered, accepted, or promised by any employees or agents of Vendor's organization.

By executing this bid, Vendor certifies that it has read and agreed to the INSTRUCTIONS TO VENDORS and the NORTH CAROLINA GENERAL TERMS AND CONDITIONS.

Failure to execute/sign bid prior to submittal may render bid invalid and it MAY BE REJECTED. Late bids cannot be accepted.

COMPLETE/FORMAL NAME OF VENDOR:		
STREET ADDRESS:	P.O. BOX:	ZIP:
CITY & STATE & ZIP:	TELEPHONE NUMBER:	TOLL FREE TEL. NO:
PRINCIPAL PLACE OF BUSINESS ADDRESS IF DIFFERENT FROM ABOVE (SEE INSTRUCTIONS TO VENDORS ITEM #11):		
PRINT NAME & TITLE OF PERSON SIGNING ON BEHALF OF VENDOR:		FAX NUMBER:
VENDOR'S AUTHORIZED SIGNATURE:	DATE:	E-MAIL:

Bid Number: **54-DLS-11978640**

Vendor: _____

VALIDITY PERIOD

Offer valid for at least 60 days from date of bid opening, unless otherwise stated here: _____ days. After this date, any withdrawal of offer shall be made in writing, effective upon receipt by the agency issuing this IFB.

BID ACCEPTANCE

If your bid is accepted and results, through negotiation or otherwise, in a contract award you will be expected to accept the NORTH CAROLINA GENERAL TERMS AND CONDITIONS as part of the Contract. Dependent upon the product or service being offered, other terms and conditions may apply.

FOR STATE USE ONLY: Offer accepted and Contract awarded this ____ day of _____, 20____, as indicated on the attached certification, by _____

(Authorized Representative of the Department of Transportation)

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1.0 PURPOSE AND BACKGROUND

The purpose of this Invitation for Bids is to obtain pricing from Vendors to furnish and deliver Aluminum Pipe with Fully Welded Aluminum Structural Plate Headwall for the NC Department of Transportation.

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

2.0 GENERAL INFORMATION

2.1 INVITATION FOR BID DOCUMENT

The IFB is comprised of the base IFB document, any attachments, and any addenda released before Contract award. All attachments and addenda released for this IFB in advance of any Contract award are incorporated herein by reference.

2.2 E-PROCUREMENT SOLICITATION

ATTENTION: This is an E-Procurement solicitation. See paragraph entitled ELECTRONIC PROCUREMENT of the [North Carolina General Contract Terms and Conditions](#).

General information on the E-Procurement Services can be found at: <http://eprocurement.nc.gov/>.

2.3 NOTICE TO VENDORS REGARDING IFB TERMS AND CONDITIONS

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

If Vendors have questions, issues, or exceptions regarding any term, condition, or other component within this IFB, those must be submitted as questions in accordance with the instructions in Section **2.5 BID QUESTIONS**. If the State determines that any changes will be made as a result of the questions asked, then such decisions will be communicated in the form of an IFB addendum. The State may also elect to leave open the possibility for later 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 State rejects and will not be required to evaluate or consider any additional or modified terms and conditions submitted with Vendor's bid. This applies to any language appearing in or attached to the document as part of the Vendor's bid that purports to vary any terms and conditions or Vendors' instructions herein or to render the bid non-binding or subject to further negotiation. Vendor's bid shall constitute a firm offer. **By execution and delivery of this IFB Response, the Vendor agrees that any additional or modified terms and conditions, whether submitted purposely 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 bid as nonresponsive.**

2.4 IFB SCHEDULE

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

Event	Responsibility	Date and Time
Issue IFB	State	March 1, 2021
Submit Written Questions	Vendor	March 4, 2021 @ 2:00 PM ET
Provide Responses to Questions	State	ASAP
Submit Bids	Vendor	March 12, 2021 @ 2:00 PM ET
Contract Award	State	ASAP

2.5 BID QUESTIONS

Upon review of the IFB documents, Vendors may have questions to clarify or interpret the IFB in order to submit the best bid possible. To accommodate the Bid Questions process, Vendors shall submit any such questions by the above due date.

Written questions shall be e-mailed to dlshaw@ncdot.gov by the date and time specified above. Vendors will enter "**IFB # 54-DLS-11978640 - Questions**" as the subject for the email. Questions submittals will include a reference to the applicable IFB section and be submitted in a format shown below:

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

Questions received prior to the submission deadline date, the State's response, and any additional terms deemed necessary by the State will be posted in the form of an addendum to the Interactive Purchasing System (IPS), <http://www.ips.state.nc.us>, and shall become an Addendum to this IFB. No information, instruction or advice provided orally or informally by any State personnel, whether made in response to a question or otherwise in connection with this IFB, shall be considered authoritative or binding. Vendors shall rely *only* on written material contained in an Addendum to this IFB.

2.6 BID SUBMITTAL

IMPORTANT NOTE: This is an absolute requirement. Vendor shall bear the risk for late submission due to unintended or unanticipated delay—whether submitted electronically, delivered by hand, U.S. Postal Service, courier or other delivery service. It is the Vendor's sole responsibility to ensure its bid has been received by this Office by the specified time and date of opening. The date and time of submission will be marked on each bid when received. Any bid received after the bid submission deadline will be rejected.

Mailing address for delivery of bid via US Postal Service	Office Address of delivery by any other method (special delivery, overnight, or any other carrier).
BID NUMBER: 54-DLS-11978640 Attn: Dorothy Shaw North Carolina Department of Transportation Purchasing Section, Room 334B 1510 Mail Service Center Raleigh, NC 27699-1510	BID NUMBER: 54-DLS-11978640 Attn: Dorothy Shaw North Carolina Department of Transportation Purchasing Section, Room 334B 1 South Wilmington St. Raleigh, NC 27601

For bids submitted via U.S. mail, please note that the U.S. Postal Service generally does not deliver mail to a specified street address but to the State's Mail Service Center. Vendors are cautioned that bids sent via U.S. Mail, including Express Mail, may not be delivered by the Mail Service Center to the agency's purchasing office on the due date in time to meet the bid deadline. All Vendors are urged to take the possibility of delay into account when submitting a bid(s) by U.S. Postal Service, courier, or other delivery service. **Attempts to submit a bid via facsimile (FAX) machine, telephone or email in response to this IFB shall NOT be accepted.**

- a) Submit **one (1) signed, original executed** bid response, *and* (1) redacted (Proprietary and Confidential Information Excluded) copy.
- b) Submit your bid in a sealed package. Clearly mark each package with: (1) Vendor name; (2) the IFB number; and (3) the due date. Address the package(s) for delivery as shown in the table above. If Vendor is submitting more than one (1) bid, each bid shall be submitted in separate sealed envelopes and marked accordingly. For delivery purposes, separate sealed envelopes from a single Vendor may be included in the same outer package. Bids are subject to rejection unless submitted with the information above included on the outside of the sealed bid package.

2.7 BID CONTENTS

Vendors shall populate all attachments of this IFB that require the Vendor to provide information and include an authorized signature where requested. Vendor response to this IFB shall include each of the following items and these items should be arranged in the following order:

- a) Cover Letter, must include a statement that confirms that the proposer has read the IFB in its entirety, including all links, and all Addenda released in conjunction with the IFB.
- b) Title Page: Include the company name, address, phone number and authorized representative along with the Bid Number.
- c) Completed and signed version of EXECUTION PAGES
- d) Vendor Response
- e) Completed version of ATTACHMENT A: PRICING
- f) Completed and signed version of [ATTACHMENT D: VENDOR REQUEST FOR EXECUTIVE ORDER #50 PRICE MATCHING](#) form that confirms that a price matching opportunity is requested.
- g) Completed and signed version of [ATTACHMENT E: LOCATION OF WORKERS UTILIZED BY VENDOR](#)
- h) Completed and signed version of [ATTACHMENT F: CERTIFICATION OF FINANCIAL CONDITION](#)
- i) Completed and signed version of [ATTACHMENT G: CUSTOMER REFERENCE FORM](#)
- j) Completed and signed version of [ATTACHMENT H: HUB SUPPLEMENTAL VENDOR INFORMATION](#)

2.8 DEFINITIONS, ACRONYMS, AND ABBREVIATIONS

A list of commonly used definitions has been provided in the [INSTRUCTIONS TO VENDORS](#).

3.0 METHOD OF AWARD AND BID EVALUATION PROCESS

3.1 METHOD OF AWARD

North Carolina G.S. 143-52 provides a list of criteria the State shall use to award contracts. The goods or services being procured shall dictate the application and order of criteria; however, all award decisions shall be in the State's best interest.

While the intent of this IFB is to award a Contract(s) to a single Vendor for all line items, the State reserves the right to make separate awards to different Vendors for one or more-line items, to not award+ one or more line items or to cancel this IFB in its entirety without awarding a Contract, if it is considered to be most advantageous to the State to do so.

If a Vendor selected for award is determined by the State to be a non-resident of North Carolina, all responsive bids will be reviewed to determine if any of them were submitted by a North Carolina resident Vendor who requested an opportunity to match the price of the winning bid, pursuant to Executive Order #50 and G.S. 143-59 (for more information, please refer to [ATTACHMENT D: VENDOR REQUEST FOR EXECUTIVE ORDER #50 PRICE MATCHING](#)). If such bid(s) are identified, the State will then determine whether any such bid falls within the price-match range, and, if so, make a Contract award in accordance with the process that implements G.S. 143-59 and Executive Order #50.

The State reserves the right to waive any minor informality or technicality in bids received.

3.2 CONFIDENTIALITY AND PROHIBITED COMMUNICATIONS DURING EVALUATION

While this IFB is under evaluation, the bidder, including any subcontractors and suppliers are prohibited from engaging in conversations intended to influence the outcome of the evaluation. See the Paragraph 29,

CONFIDENTIAL INFORMATION and Paragraph 30, COMMUNICATIONS BY VENDORS of the [INSTRUCTIONS TO VENDORS](#).

3.3 BID EVALUATION PROCESS

Only responsive submissions will be evaluated.

The State will conduct an evaluation of responsive Bids, as follows:

Bids will be received according to the method stated in section **2.7**.

All bids must be received by the issuing agency not later than the date and time specified on the cover sheet of this IFB.

At the date and time specified as the bid opening, the bid responses from each responding Vendor will be opened publicly and the name of the Vendor and bid's total cost will be announced. Interested parties are cautioned that these costs and their components are subject to further evaluation for completeness and correctness and therefore may not be an exact indicator of a Vendor's pricing position. If negotiation is anticipated under 01 NCAC 05B.0503, pricing may not be public until award.

At their sole option, the evaluators may request verbal presentations or discussions with any or all Vendors for the purpose of clarification or to amplify the materials presented in any part of the proposal. Vendors are cautioned, however, that the evaluators are not required to request presentations or other clarification—and often do not. Therefore, all bids should be complete and reflect the most favorable terms available from the Vendor. Prices bid cannot be altered or modified as part of a clarification.

Bids will generally be evaluated, based on completeness, content, cost and responsibility of the Vendor to supply the requested goods and services. Specific evaluation criteria are listed in Section **3.1 METHOD OF AWARD**.

Upon completion of the evaluation process, the State will make Award(s) based on the evaluation and post the award(s) to IPS under the IFB number for this solicitation. Award of a Contract to one Vendor does not mean that the other bids lacked merit, but that, all factors considered, the selected bid was deemed most advantageous and represented the best value to the State.

The State reserves the right to negotiate with one or more vendors, or to reject all original offers and negotiate with one or more sources of supply that may be capable of satisfying the requirement and submit a best and final offer (BAFO), based on discussions and negotiations with the State, if the initial responses to the RFP have been evaluated and determined to be unsatisfactory.

3.4 PERFORMANCE OUTSIDE THE UNITED STATES

Vendor shall complete [ATTACHMENT E: LOCATION OF WORKERS UTILIZED BY VENDOR](#). In addition to any other evaluation criteria identified in this IFB, the State may also consider—for purposes of evaluating proposed or actual contract performance outside of the United States and to ensure that any award will be in the best interest of the State—how that performance may affect or be affected by the following factors:

- a) Total cost to the State
- b) Level of quality provided by the Vendor
- c) Process and performance capability across multiple jurisdictions
- d) Protection of the State's information and intellectual property
- e) Availability of pertinent skills
- f) Ability to understand the State's business requirements and internal operational culture
- g) Particular risk factors such as the security of the State's information technology
- h) Relations with citizens and employees
- i) Contract enforcement jurisdictional issues

3.5 INTERPRETATION OF TERMS AND PHRASES

This Invitation for Bids 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 that results from this procurement. As such, all terms in the Invitation for Bids shall be enforceable as contract terms in accordance with the North Carolina 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 bids 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 Invitation for Bids. Except as specifically stated in the Invitation for Bids, no one requirement shall automatically disqualify a Vendor from consideration. However, failure to comply with any single requirement, if determined to be essential under the circumstances then existing, may result in the Department exercising its discretion to reject a bid in its entirety.

4.0 REQUIREMENTS

This Section lists the requirements related to this IFB. By submitting a bid, the Vendor agrees to meet all stated requirements in this Section and as otherwise stated in this IFB. If a Vendor is unclear about a requirement or believes a change in a requirement would allow for the State to receive a better bid, the Vendor is encouraged to submit these items in the form of a question during the question-and-answer period.

4.1 PRICING

Bid price shall constitute the total cost to the State for delivery fully assembled and ready for use, including all applicable charges for shipping, delivery, handling, administrative and other similar fees.

4.2 INVOICES

Vendor shall invoice the Ordering Entity. 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, Buyer’s Order Number, Manufacturer Part Numbers, Vendor Part Numbers, Item Descriptions, Price, Quantity, and Unit of Measure.

4.3 PRODUCT IDENTIFICATION

SUITABILITY FOR INTENDED USE

Vendors are requested to offer only items directly complying with the specifications herein or comparable items which will provide the equivalent capabilities, features and diversity called for herein. The State reserves the right to evaluate all bids for suitability for the required use and to award the one best meeting requirements and considered to be in the State’s best interest.

4.4 TRANSPORTATION AND IDENTIFICATION

The Vendor shall deliver Free-On-Board (FOB) Destination to any requested location within the State of North Carolina with all transportation costs and fees included in the total bid 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 show on all packages. A complete packing list shall accompany each shipment. Vendors shall not ship any products until they have received an order.

4.5 DELIVERY [AND INSTALLATION (IF APPLICABLE)]

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

The delivery of the structure shall be coordinated with the Department’s representative, Mr. Charles White, Division 9 Bridge Maintenance Engineer at (704) 630-3260

Delivery Location: NCDOT Project Site: The material shall be delivered to the project site located on:

Bid Number: **54-DLS-11978640**

Vendor: _____

Keith Drive, (SR 1949), Winston Salem, NC 27107,

35.9970955, -80.1880797. 0.10 miles east from the intersection of Cedar Drive (SR 1947)

Successful Vendor shall complete delivery within 20 consecutive calendar days after receipt of purchase order.

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

DELIVERY NOTES:

1. No deliveries shall be accepted on Fridays.
 2. Consignee must be notified 24 hours prior to delivery.
 3. Successful bidder shall attach to the shipment of material in a waterproof envelope, shipping memorandum giving name of shipper, consignee, purchase order number, routing and destination.
 4. Consignee will furnish help to driver for unloading, if needed, at the convenience of the consignee.
- NCDOT reserves the right to call for inspection of any material prior to delivery.
5. It is understood and agreed that claims for shortage or breakage must be noted on delivery tickets, the contractor agrees to notify the consignee prior to shipment.
- SHIPMENT: The purchase order number must be shown on all packages and shipping manifests to ensure proper identification and payment of invoices. Complete packing list must accompany each shipment.

4.6 AUTHORIZED RESELLER

The Vendor shall be authorized by the manufacturer to distribute or resell the products and/or maintenance offered in this IFB. The Vendor shall provide with its bid response a signed statement from the manufacturer confirming authorization. Failure to provide this statement shall constitute sufficient grounds for rejection of Vendor's offer, at the discretion of the State.

Vendor is the: ☐ Manufacturer ☐ Dealer ☐ Reseller ☐ Distributor

Authorized: ☐ Yes ☐ No Attached Manufacturer's Authority: ☐ Yes ☐ No

4.7 QUALITY ACCEPTANCE INSPECTION

It is the responsibility of the receiving agency 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 AGENCY UNTIL AN INSPECTION HAS OCCURRED AND THE GOODS ACCEPTED.

4.8 WARRANTY

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

4.9 REFERENCES

Vendors shall provide at least three (3) references, using [ATTACHMENT G: CUSTOMER REFERENCE FORM](#), for which your company has supplied the exact model of equipment offered. The State *may* contact these users to determine quality level of the offered equipment; as well as, but not limited to user satisfaction with Vendor performance. Information obtained *may* be considered in the evaluation of the proposal.

4.10 FINANCIAL STABILITY

Each Vendor shall certify it is financially stable by completing the [ATTACHMENT F: CERTIFICATION OF FINANCIAL CONDITION](#). The State is requiring this certification to minimize potential performance issues from Contracting with a Vendor that is financially unstable. This Certification shall be deemed continuing, and from the date of the Certification to the expiration of the Contract, the Vendor shall notify the State within thirty (30) days of any occurrence or condition that materially alters the truth of any statement made in this Certification.

5.0 PRODUCT SPECIFICATIONS

5.1 SPECIFICATIONS

SPECIFICATIONS – All material and workmanship shall meet the requirements of the NCDOT Standard Specifications for Roads and Structures dated January 2018 including Section 1032, Section 1072 and/or Section 1074 as applicable. **Note:** The Notification for Beginning of Work Form shall be required per Section 1072-7 with the NCDOT Materials and Tests Unit. This form can be found on the Materials and Tests Unit webpage at the below weblink:

Materials covered by Section 1032 that are shop and/or field welded require notification to the M&T Metals group. Producer/Suppliers can use the Notification for Beginning of Work Form which can be found on the Materials and Tests Unit webpage at the below weblink:

<https://connect.ncdot.gov/resources/Materials/MaterialsResources/MT%20Form%20M4000%20Notification%20of%20Beginning%20Work.pdf>

NOTES:

Supplier must provide all necessary hardware, wale beams, caps, continuous flat gaskets, galvanized steel tieback rods with dead man anchor plates, Anchors, lugs, inserts, adjustable turnbuckles and all other materials necessary to complete project. All hardware to be hot dip galvanized.

Material Quality and Workmanship

- A. Bidder shall be required to supply materials that meet or exceed current NCDOT specifications.
- B. Pipe shall be fully welded inside and out to headwalls using two root welds and two finish welds on either side of the wall. All finish welds are shall be ground to a smooth finish.
- C. Headwall and pipe shall be reinforced per AASHTO specifications and structural engineer's requirements.
- D. The continuous flat gasket shall be 3/8" thick x 2FT wide and made of closed cell neoprene rubber which upon assembly provides a watertight seal.
- E. Pipe sections and bands shall be assembled and alphanumerically / alignment match-marked at the plant site before shipping to verify fit.
- F. Bands shall be installed onto the pipe sections prior to shipping. Safety bracing shall be included to eliminate tipping or falling of the headwall during assembly.
- G. Pipe manufacturer must provide certification of the measured dimensions of the pipe, bands and the continuous flat gaskets. Certification must state that the bands and the gaskets have been pre-fitted and will securely tighten around the supplied pipe. Certification of the dimensions must be signed by the manufacturer's representative and dated.

EXAMPLE:

Supplied pipe measures XX inches in diameter. Supplied bands and the continuous flat gaskets measure XX inches in length and will securely fasten pipe sections, without field modification.

Signature

Date

Printed Name and Title

- H. All hardware including nuts, bolts, washers, rods, etc. shall be hot dipped galvanized.

- I. Poor quality of workmanship of any materials supplied will constitute grounds for the material being rejected and/or compensation of time lost by NCDOT personnel for this project.

Job Site Installation Assistance

- A. Manufacturer's representative, with at least two (2) years of experience in the installation of this type of structure, shall provide technical advice with assembly of structure and headwalls as well as being on site during the installation and backfilling of pipe and headwalls through completion to provide any additional advice or instructions as needed. Manufacturer's representative is not to be considered a contractor and NCDOT will not be liable for any labor he/she may provide.
- B. NCDOT will provide manufacturer 24 hours' notice of installation to allow manufacturer time to have a Person On site. Failure to have a representative on site could result in disqualification to bid on future Projects.

Required Tools

- A. Manufacturer shall supply all necessary hand/power tools to assembly pipe and headwalls such as electric impact wrenches, drills, bits, and spud bars.
- B. NCDOT will provide power generators and any large equipment needed for excavation, backfill, and lifting pipe assemblies.

Final Design Plans

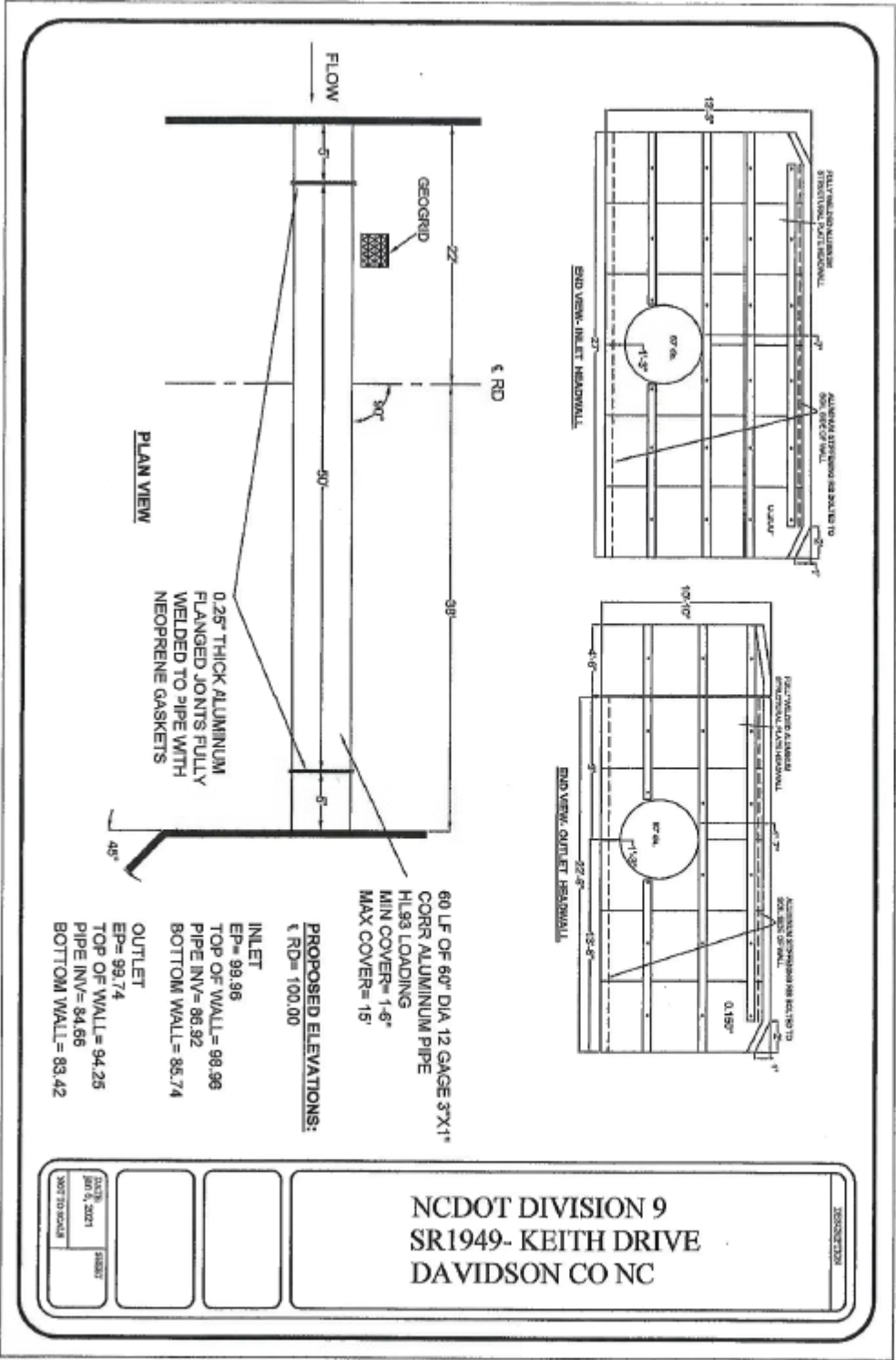
A. WITHIN FIVE (5) DAYS AFTER AWARD, THE BIDDER SHALL SUBMIT TO THE CENTRAL BRIDGE MAINTENANCE ENGINEER FOR APPROVAL **NC LICENSED PROFESSIONAL ENGINEER DETAILED DRAWINGS, STAMP, AND WALL CALCULATIONS PROVIDED BY AN INDEPENDENT ENGINEERING FIRM.**

B. WITHIN FIVE (5) DAYS AFTER AWARD, THE BIDDER SHALL SUBMIT TO THE DIVISION BRIDGE MAINTENANCE ENGINEER FOR ACCEPTANCE, SAFETY BRACING PLANS TO ELIMINATE THE TIPPING OR FALLING OF THE HEADWALL DURING ASSEMBLY.

THREE (3) COPIES OF DETAILED SHOP DRAWINGS AND THREE (3) COPIES OF DESIGN CALCULATIONS

Charles White
Division 9 Bridge Maintenance Engineer
North Carolina Department of Transportation
515 Camp Road
Email: crwhite@ncdot.gov

Via delivery service:
James Bolden, PE
Structure Management Unit
1581 Mail Service Center
Raleigh, NC 27699-1581
Submittals via email: jlbolden@ncdot.gov



ATTACHMENT A: PRICING FORM

FURNISH, AND DELIVER:

ITEM #	QTY	UOM	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
			The following are the specifications for the Aluminum Pipe with Fully Welded Aluminum Structural Plate Headwalls		
1	1	Each	The total length of this structure shall be 60 LF of 60" diameter, 12 gauge, 3" x 1" corrugation, aluminum pipe fully welded on a 90 degree angle to 27'-0" wide x 13'-3" high, 0.200" metal thickness aluminum structural plate headwall on inlet end. A 22'-6" wide x 10'-10" high, 0.150" metal thickness aluminum structural plate headwall on outlet end with one (1) 4'-6" wide x 10'-10" high wing wall on outlet end per attached drawing. The 60" diameter pipe is to have 0.25" thick aluminum flanged joints fully welded to the ends of the pipe and shall include neoprene gasket and bolts and nuts. Includes one (1) roll of TX Geogrid, all headwall cap, wall support members and tie back rods with deadman anchors per attached drawing. PE stamped drawings and headwall calculations and manufacture field representative on-site to assist with installation of flanged joints and backfill of pipe and headwalls. Aluminum structural plate headwalls on both inlet and outlet side of the pipe are designed for surcharge. Reference attached drawing. All structure materials and incidentals shall be designed and fabricated to meet or exceed AASHTO material requirements for aluminum box culvert AASHTO HL-93 loading and North Carolina Department of Transportation Standard Specifications. The headwalls shall be designed for surcharge.		\$ _____

			<p><u>Fill Heights Over Structure</u> Minimum cover over culvert – 1'-6" Maximum cover over culvert – 15'</p> <p><u>Structural Elements</u> 60 LF of 60" diameter, 12 gauge, 3" x 1" corrugation, aluminum pipe on a 90 degree angle 1 each – 27'-0" wide x 13'-3" high by 0.200" thick aluminum structural plate headwall (Inlet) 1 Each – 22'-6" wide x 10'-10" high by 0.150" thick aluminum structural plate headwall with one (1) 4'-6" wide x 10'-10" high wing wall (Outlet) 60" diameter pipe is to have 0.25" thick aluminum flanged joints fully welded to the ends of the pipe and shall include neoprene gasket and bolts and nuts includes 1 roll of TX Geogrid.</p> <p>The purchase of this structure shall include but not limited to all items specified in this specification, the delivery of the structure and any incidentals required for the proper assembly of the structure.</p>		
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TOTAL EXTENDED PRICE _____

DESCRIPTION:

Type of Pipe offered _____

Manufacture of Pipe Materials & Test ID Number: _____

RECYCLED CONTENT: Material: _____

Percentage %: _____

ATTACHMENT B: INSTRUCTIONS TO VENDORS

The Instructions to Vendors, which are incorporated herein by this reference, may be found here:

https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_North-Carolina-Instructions-to-Vendors_09.2020.pdf

ATTACHMENT C: NORTH CAROLINA GENERAL CONTRACT TERMS & CONDITIONS

The North Carolina General Terms and Conditions, which are incorporated herein by this reference, may be found here:

https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_North-Carolina-General-Terms-and-Conditions_09.2020.pdf.

ATTACHMENT D: VENDOR REQUEST FOR EO50 PRICE-MATCHING

The Vendor Request for EO50 Price-Matching associated with this IFB is a separate document that is captioned **ATTACHMENT D: VENDOR REQUEST FOR EO50 PRICE-MATCHING** and can be found at the following link:

https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_Vendor-Price-Matching-Opportunity_01.2020.pdf

ATTACHMENT E: LOCATION OF WORKERS UTILIZED BY VENDOR

The Location of Workers Utilized by Vendor associated with this IFB is a separate document that is captioned **ATTACHMENT E: LOCATION OF WORKERS UTILIZED BY VENDOR** and can be found at the following link:

https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_Location-of-Vendors-Located-Outside-the-United-States_01.2020.pdf.

ATTACHMENT F: CERTIFICATION OF FINANCIAL CONDITION

The Certification of Financial Condition associated with this IFB is a separate document that is captioned **ATTACHMENT F: CERTIFICATION OF FINANCIAL CONDITION** and can be found at the following link:

<https://files.nc.gov/ncdoa/pandc/OnlineForms/CERTIFICATION-OF-FINANCIAL-CONDITION.pdf>.

ATTACHMENT G: CUSTOMER REFERENCE FORM

The Customer Reference Form associated with this IFB is a separate document that is captioned **ATTACHMENT G: CUSTOMER REFERENCE FORM** and can be found at the following link:

https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_Customer-Reference-Template_092020.pdf.

ATTACHMENT H: HUB SUPPLEMENTAL SUPPLIER INFORMATION

The Historically Underutilized Businesses (HUB) Supplier Information associated with this IFB is a separate document that is captioned **ATTACHMENT H: HUB SUPPLEMENTAL SUPPLIER INFORMATION** and can be found at the following link:

https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_HUB-Supplemental-Vendor-Information_9.2020.pdf.