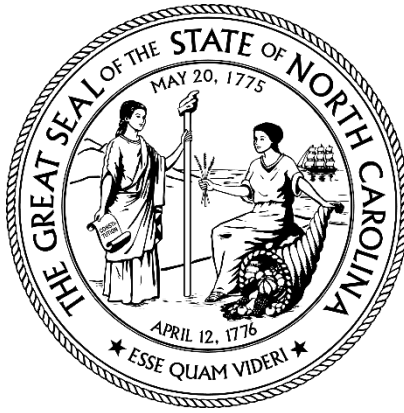




STATE OF NORTH CAROLINA

Department of Transportation

Invitation for Bid: 54-ML-12172048

Aluminum Arch Pipe with Headwalls

Date Issued: May 12, 2025

Bid Due Date: May 22, 2025

Direct all inquiries concerning this IFB to:

Mike Lingenfelter

Procurement Specialist II

Email: mwlingenfelter@ncdot.gov

Phone: 919-707-2642



STATE OF NORTH CAROLINA

Invitaion for Bid

54-ML-12172048

For internal State agency processing, including tabulation of Bids, provide your company's eVP (Electronic Vendor Portal) 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 eVP #

Note: For a contract to be awarded to you, 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>

Electronic responses ONLY will be accepted for this solicitation.

STATE OF NORTH CAROLINA
Division of Department of Transportation

Refer <u>ALL</u> Inquiries regarding this IFB to: Mike Lingenfelter mwlingenfelter@ncdot.gov	Invitation for Bid # 54-ML-12172048
	Bids will be opened: May 19, 2025, 2:00PM ET
Using Agency: Department of Transportation	Commodity No. and Description: 301217 ROAD AND HIGHWAY BUILDING MATERIALS (NOT ASPHALTIC)
Requisition No.: 20711	

EXECUTION

In compliance with this Invitation for Bid (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.

As required by Executive Order 24 (2017), the undersigned vendor certifies will comply with all Federal and State requirements concerning fair employment and that it does not and will not discriminate, harass, or retaliate against any employee in connection with performance of any Contract arising from this solicitation.

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 **INSTRUCTION TO VENDORS** and the **NORTH CAROLINA GENERAL TERMS AND CONDITIONS incorporated herein**. These documents can be accessed from the ATTACHMENTS page within this document.

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 #21):		
PRINT NAME & TITLE OF PERSON SIGNING ON BEHALF OF VENDOR:		FAX NUMBER:
VENDOR'S AUTHORIZED SIGNATURE:	DATE:	E-MAIL:

Bid Number: ML-12172048

Vendor: _____

VALIDITY PERIOD

The offer shall be valid for at least ninety (90) days from the date of the Bid due date, unless otherwise stated here: _____ days, or if extended by mutual agreement of the parties. Any withdrawal of this offer shall be made in writing, effective upon receipt by the agency issuing this IFB.

BID ACCEPTANCE

If your Bid is accepted, all provisions of this IFB, along with the written results of any negotiations, shall constitute the written agreement between the parties ("Contract"). The NORTH CAROLINA GENERAL TERMS AND CONDITIONS are incorporated herein and shall apply. Depending upon the Goods or Services being offered, other terms and conditions may apply, as mutually agreed.

FOR STATE USE ONLY: Offer accepted and contract awarded this _____ day of _____, 2025,

as indicated on the attached certification by: _____

(Authorized Representative of Department of Transportation)

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1.0 PURPOSE AND BACKGROUND

The purpose of this Invitation for Bid is to obtain pricing from vendors to fabricate, deliver, and assemble Aluminum Structural Plate Pipe Arch and Headwalls for Granville County Bridge Maintenance. To be delivered to project site on Graham Sherron Road.

The intent of this solicitation is to award an Agency Specific Contract (one-time purchase).

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 INVITAION FOR BID DOCUMENT

The IFB is comprised of the base IFB document, any attachments, and any addenda released before Contract award, which are incorporated herein by reference.

2.2 E-PROCUREMENT FEE

ATTENTION: The E-Procurement fee may apply to this solicitation. See paragraph entitled ELECTRONIC PROCUREMENT of the North Carolina General 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 to Vendors, the North Carolina General 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 are also responsible for obtaining and complying with all Addenda and other changes that may be issued in connection with this IFB.

If Vendors have questions or issues, or exceptions regarding any component within this IFB, those must be submitted as questions in accordance with the instructions in the BID QUESTIONS Section. 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 of specific provisions of the Contract that have been addressed during the question-and-answer period, prior to contract award.

Other than through this process or negotiation under 01 NCAC 05B.0503, 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 that shall be held open for the period required herein ("Validity Period" above).

The State may exercise its discretion to consider Vendor proposed modifications. 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 unless expressly agreed upon through negotiations and incorporated by way of a Best and Final Offer (BAFO). 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	May 12, 2025
Submit Written Questions via email	Vendor	May 15, 2025
Provide Responses to Questions via email	State	May 22, 2025
Submit Bids	Vendor	May 19, 2025, 2:00PM ET

Public bid opening for this solicitation will be conducted via conference call. Vendors may use the links below or use the call-in number to join the bid opening May 22, 2025, at 2:00 PM ET.

Microsoft Teams [Need help?](#)

[Join the meeting now](#)

Meeting ID: 231 567 155 642 7

Passcode: 7jr6gr3N

Dial in by phone

[+1 984-204-1487,,176341223#](#) United States, Raleigh

[Find a local number](#)

Phone conference ID: 176 341 223#

Join on a video conferencing device

Tenant key: ncgov@m.webex.com

Video ID: 119 875 995 4

[More info](#)

For organizers: [Meeting options](#) | [Reset dial-in PIN](#)

2.5 QUESTIONS ABOUT BID

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 "Submit Written Questions" date and time provided in the IFB SCHEDULE Section above.

Written questions shall be e-mailed to mwlingenfelter@ncdot.gov by the date and time specified above. Vendors will enter "**IFB #ML-12172048-Questions**" as the subject for the email. Question 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 ...?

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 of late submission due to unintended or unanticipated delay. It is the Vendor's sole responsibility to ensure its Bid has been received as described in this IFB by the specified time and date of opening. The date and time of receipt will be marked on each Bid when received. Any Bid or portion thereof received after the Bid submission deadline will be rejected.

eVP Only

Instructions: If applicable to this IFB and using eVP, all proposal responses shall be submitted electronically via the electronic Vendor Portal (eVP). Additional information can be found at the eVP updates for Vendors link: <https://eprocurement.nc.gov/news-events/evp-updates-vendors>.

Failure to submit a bid in strict accordance with these instructions shall constitute sufficient cause to reject a Vendor's bid(s).

Critical updated information may be included in Addenda to this IFB. It is important that all Vendors responding on this IFB periodically check the State's eVP website for any Addenda that may be issued prior to the bid opening date. All Vendors shall be deemed to have read and understood all information in this IFB and all Addenda thereto.

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. Failure to provide all required items, or Vendor's submission of incomplete items, may result in the State rejecting Vendor's Bid, in the State's sole discretion

Vendor IFB responses shall include the following items and attachments, which shall be arranged in the following order:

- a) Completed and signed version of EXECUTION PAGES, along with the body of the IFB.
- b) Signed receipt pages of any addenda released in conjunction with this IFB, if required to be returned.
- c) Completed version of ATTACHMENT A: PRICING FORM
- d) Completed version of ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION
- e) Completed version of ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR
- f) Completed and signed version of ATTACHMENT H: VENDOR REQUEST FOR EO50 PRICE-MATCHING, if applicable

2.8 ALTERNATE BIDS

Unless provided otherwise in this IFB, Vendor may submit alternate Bids for comparable Goods, various methods, or levels of Service(s), or that propose different options. Alternate Bids must specifically identify the IFB requirements and advantage(s) addressed by the alternate Bid. Any alternate Bid, in addition to the marking described above, must be clearly marked with the legend: "**Alternate Bid # ML-12172048 (name of vendor)**". Each Bid must be for a specific set of Goods and Services and must include specific pricing. If a Vendor chooses to respond with various offers, each must be offered with a separate price and be contained in a separate Bid. Each Bid must be complete and independent of other Bids offered.

2.9 DEFINITIONS, ACRONYMS, AND ABBREVIATIONS

Relevant definitions for this IFB are provided in 01 NCAC 05A .0112 and in the Instructions to Vendors referenced below which are incorporated herein by this reference.

3.0 METHOD OF AWARD AND BID EVALUATION PROCESS

3.1 METHOD OF AWARD

North Carolina G.S. 143-52 provides a general list of criteria the State shall use to award contracts, as supplemented by the additional criteria herein. 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.

All responsive Bids will be reviewed, and award or awards will be based on the responsive Bid(s) offering the lowest price that meets the specifications provided herein, to include any required verifications set out herein such as but not limited to past performance, references, and financial documents.

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 H: 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 responding Vendor, including any subcontractors and suppliers, is prohibited from engaging in conversations intended to influence the outcome of the evaluation. See Paragraph 29 of the Instructions to Vendors entitled COMMUNICATIONS BY VENDORS.

Each Vendor submitting a Bid to this IFB, including its employees, agents, subcontractors, suppliers, subsidiaries and affiliates, is prohibited from having any communications with any person inside or outside the using agency; issuing agency; other government agency office or body (including the purchaser named above, any department secretary, agency head, members of the General Assembly and Governor's office); or private entity, if the communication refers to the content of Vendor's Bid or qualifications, the content of another Vendor's proposal, another Vendor's qualifications or ability to perform a resulting contract, and/or the transmittal of any other communication of information that could be reasonably considered to have the effect of directly or indirectly influencing the evaluation of proposals, the award of a contract, or both.

Any Vendor not in compliance with this provision shall be disqualified from evaluation and award. A Vendor's proposal may be disqualified if its subcontractor and/or supplier engage in any of the foregoing communications during the time that the procurement is active (i.e., the issuance date of the procurement until the date of contract award or cancellation of the procurement). Only those discussions, communications or transmittals of information authorized or initiated by the issuing agency for this IFB, or inquiries directed to the purchaser named in this IFB regarding requirements of the IFB (prior to proposal submission) or the status of the award (after submission) are excepted from this provision.

3.3 PERFORMANCE OUTSIDE THE UNITED STATES

Vendor shall complete ATTACHMENT F: 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, how that performance may affect the following factors to ensure that any award will be in the best interest of the State:

- 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

3.4 INTERPRETATION OF TERMS AND PHRASES

This IFB serves two functions: (1) to advise potential Vendors of the parameters of the solution being sought by the State; and (2) to provide (together with other specified documents) the terms of the Contract resulting from this procurement. 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 State will take into consideration the degree to which Vendors have proposed or failed to propose solutions that will satisfy the State’s needs as described in the IFB. Except as specifically stated in the IFB, no one requirement shall automatically disqualify a Vendor from consideration. However, failure to comply with any single requirement may result in the State 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, as well as any other specifications, requirements, and terms and conditions stated in this IFB. If a Vendor is unclear about a requirement or specification 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 in accordance with the Bid Questions Section above.

4.1 PRICING

Bid 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 Bid. Complete ATTACHMENT A: PRICING FORM and include Vendor’s Bid.

4.2 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.

4.3 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 shown on all packages. A complete packing list shall accompany each shipment. Vendors shall not ship any products until they have received an order. Successful vendor shall attach to the shipment of material in a waterproof envelope, shipping memorandum giving name of shipper, NCDOT, purchase order number, routing, and destination.

4.4 DELIVERY & ASSEMBLY

The vendor shall deliver to the NCDOT address listed below within thirty (30) consecutive calendar days after receipt of purchase order.

NCDOT Project Site Adjacent To: Graham Sherron Rd. Granville County NC

The Vendor and NCDOT shall agree, in writing, on a final assembly date at the specified job site. Assembly of structure to be performed by the vendor or their subcontractor and must be completed within two (2) consecutive working days.

DELIVERY NOTES:

1. Deliveries will be **ONLY** accepted Monday - Thursday 8:00am – 4:00PM.
2. **Vendor shall contact Jacob Nicholson at 919-733-4699 to confirm time of delivery.**
3. NCDOT reserves the right to call for inspection of any material prior to delivery.
4. Vendor must note claims for shortage or breakage on the delivery ticket.
5. Upon completion of the delivery, the Vendor shall remove and properly dispose of all waste and debris resulting from delivery from the delivery site.

6. NCDOT will provide help to the driver with unloading, if needed, at the convenience of NCDOT.

ASSEMBLY NOTES:

1. Sections and bands shall be assembled and alphanumerically / alignment match-marked at the Vendor's location before shipping to verify fit. **Assembly of structure(s) to be done by Vendor or their Subcontractor.**
2. Vendor shall provide initial and final assembly of the Structural Aluminum Plate Headwall. Vendor shall be on-site to help with installation oversight during the installation and backfilling of the fully assembled structure through completion to ensure the fully assembled structure (s) are installed correctly.
3. Vendor shall supply all necessary hand/power tools such as electric impact wrenches, drills, bits, and spud bars to assemble headwalls and aluminum box culvert at the final assembly location.
4. NCDOT will provide power generators, and all large equipment needed for excavation, backfill, and lifting assemblies.

4.5 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 a signed statement from the manufacturer confirming authorization within five (5) consecutive calendar days after request from the agency. Failure to provide this statement & indicate whether or not they are a manufacturer, dealer, reseller, or distributor below may 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

4.6 WARRANTY

The manufacturer's standard warranty shall apply. Vendors shall provide a copy of the manufacturer's standard warranty within five (5) consecutive calendar days after a request from the agency.

4.7 HUB PARTICIPATION

Pursuant to North Carolina General Statute G.S. 143-48, it is State policy to encourage and promote the use of small, minority, physically handicapped, and women contractors in purchasing Goods and Services. As such, this IFB will serve to identify those Vendors that are minority owned or have a strategic plan to support the State's Historically Underutilized Business program by meeting or exceeding the goal of 10% utilization of diverse firms as 1st or 2nd tier subcontractors. Vendor shall complete ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION.

4.8 VENDOR'S REPRESENTATIONS

If the Bid results in an award, Vendor agrees that it will not enter any agreement with a third party that may abridge any rights of the State under the Contract. If any Services, deliverables, functions, or responsibilities not specifically described in this solicitation are required for Vendor's proper performance, provision and delivery of the Service and deliverables under a resulting Contract, or are an inherent part of or necessary sub-task included within such service, 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 Services and/or other Deliverables.

4.9 AGENCY INSURANCE REQUIREMENTS MODIFICATION

A. Default Insurance Coverage from the General Terms and Conditions applicable to this Solicitation:

- ☒ Contract value in excess of the Small Purchase threshold, but up to \$1,000,000.00.

5.0 PRODUCT SPECIFICATIONS

5.1 SPECIFICATIONS

The specific items and any specifications that the Purchasing Agency is seeking are listed below. Items offered by the Vendor must meet or exceed the listed Specifications.

Aluminum Box Culvert with Headwall conforming to in compliance with the 2024 Standard Specifications for Roads and Structures, and any addenda thereto. All structure(s) must be inspected and approved by an NCDOT Materials & Test inspector and stamped.

<https://connect.ncdot.gov/resources/Specifications/2024StandardSpecifications/2024%20Standard%20Specifications%20for%20Roads%20and%20Structures.pdf>

All structure(s) must come from an approved producer, for a list of approved manufacturers go to

<https://apps.ncdot.gov/vendor/approvedproducts/Producer.aspx>

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:

Vendor 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 the project.

The following are specifications for a requisition of Forty-Five 45LF OF 15'-7" SPAN X 10'-2" RISE, .200" thick aluminum structural plate pipe arch (CASPPA) with two fully welded structural aluminum plate headwalls with type 4 ribs @ 27" O.C. MIN COVER= 2.5' HL-93 LOADING OPEN END AREA= 123.1 SF

TOP Φ = 100.00, EP OUT= 99.90, EP IN= 99.50, TOP HW OUT= 98.66, TOP HW IN= 98.66, TOP PIPE ARCH= 96.16, INV STREAM OUT= 86.85, INV PIPE ARCH= 86.00

Reference attached drawing.

If any discrepancies or inconsistencies are identified between the drawings or specifications, please contact the Division 5 Assistant Division Maintenance Engineer immediately for clarification or correction:

Jacob Nicholson, Division Maintenance Engineer 919-733-4699

All structure materials and incidentals shall be designed and fabricated to meet or exceed AASHTO material requirements for Aluminum Box Culvert with Headwalls including AASHTO M-197 or ASTM B744 loading and North Carolina Department of Transportation Standard Specifications.

MATERIAL QUALITY AND WORKMANSHIP

PIPE: The CASPPA shall be manufactured in accordance with the applicable requirements of AASHTO Section 12 and ASTM B 790. The aluminum plate thickness shall be a minimum 0.125". (Minimum Cover = 2.5", Maximum Cover = 9' & HL-93 loading). The gauge and corrugations shall be designed to meet or exceed the design loads and back fill cover over structure as shown in the attached drawings and this specification.

ALUMINUM STRUCTURAL PLATE HEADWALL: Shall conform to the latest requirements of AASHTO M219 or ASTM B746 with a minimum 0.150" thickness and be designed for surcharge. One 40'-6" x 14' Headwall shall have 12' length of 15'-7" x 10'-2" CASPPA fully welded to headwall to provide connection to the 15'-5 1/16" section of CASPPA. One 40'-6" x 14' Headwall shall have 14' length of 15'-7" x 10'-2" CASPPA fully welded to headwall to provide connection to the 15'-5 1/16" section of CASPPA.

Backfill placement and compaction shall be consistent NCDOT Standard Specifications for Roads and Structures and the National Corrugated Steel Pipe Design Manual, except that the headwalls and the structure shall be back filled, and compacted utilizing select material Class Iv or higher.

Shop drawings and structural design calculations shall be provided prior to fabrication to the Department via electronic delivery to: jpnicholson@ncdot.gov

Fill Heights over structure: Minimum cover over pipe = 2.5' Maximum cover over pipe = 9'

Final Design Plans

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

VENDOR, PLEASE SEND THE DETAILED DRAWINGS TO THE FOLLOWING EMAIL ADDRESS BELOW

James Bolden, PE

Drawing submittal via email: SMU-wdr@ncdot.gov

This address is for detailed drawings, stamp, & wall calculations submittals only. Please direct all questions/comments to James L. Bolden (jlbolden@ncdot.gov), Madonna Rorie (mrorie@ncdot.gov).

- B. WITHIN FIVE (5) CONSECUTIVE CALENDAR DAYS AFTER AWARD, VENDOR SHALL SUBMIT TO THE DIVISION BRIDGE MAINTENANCE ENGINEER FOR ACCEPTANCE, TWO (2) COPIES OF THE SAFETY BRACING PLANS TO ELIMINATE THE TIPPING OR FALLING OF THE HEADWALL DURING ASSEMBLY

VENDOR, PLEASE SEND THE DETAILED DRAWINGS TO THE FOLLOWING EMAIL ADDRESS BELOW

Jacob Nicholson

Division 5 Bridge Maintenance Supervisor

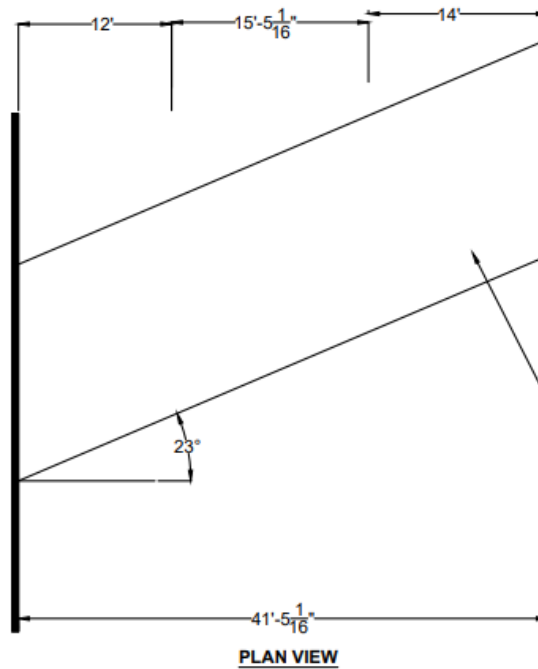
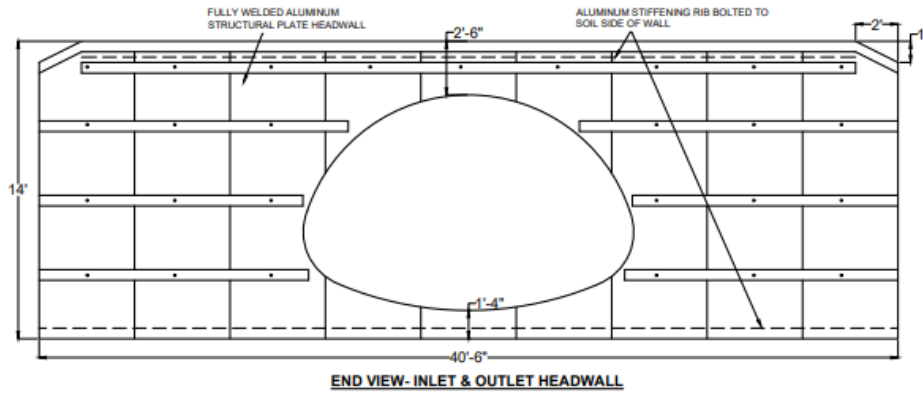
4809 Beryl Rd.

Raleigh, NC 27606

jpnicholson@ncdot.gov

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NCDOT Granville County, Graham Sherron Rd



PROPOSED ELEVATIONS:

TOP ϵ = 100.00
 EP OUT = 99.90
 EP IN = 99.50
 TOP HW OUT = 98.66
 TOP HW IN = 98.66
 TOP PIPE ARCH = 96.16
 INV STREAM OUT = 86.85
 INV PIPE ARCH = 86.00

FLOW

ϵ = 45LF OF 15'-7" SPAN X 10'-2" RISE, .200" THICK ALUMINUM STRUCTURAL PLATE PIPE ARCH WITH TYPE 4 RIBS @ 27" O.C.
 MIN COVER = 2.5'
 HL-93 LOADING
 OPEN END AREA = 123.1 SF

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6.0 CONTRACT ADMINISTRATION

All Contract Administration requirements are conditioned on an award resulting from this solicitation. This information is provided for the Vendor's planning purposes

6.1 CONTINUOUS IMPROVEMENT

The State encourages the Vendor to identify opportunities to reduce the total cost to the State. A continuous improvement effort consisting of various ideas to enhance business efficiencies as performance progresses.

6.2 ACCEPTANCE OF WORK

Performance of the work and delivery of Goods shall be conducted and completed at least in accordance with the Contract requirements and recognized and customarily accepted industry practices. Performance shall be considered complete when the Services or Goods are approved as acceptable by the Contract Administrator.

The State shall have the obligation to notify Vendor, in writing ten (10) calendar days following completion of such work or delivery of a deliverable described in the Contract that it is not acceptable. The notice shall specify in reasonable detail the reason(s) it is unacceptable. Acceptance by the State shall not be unreasonably withheld; but may be conditioned or delayed as required for reasonable review, evaluation, installation, or testing, as applicable to the work or deliverable. Final acceptance is expressly conditioned upon completion of all applicable assessment procedures. Should the work or deliverables fail to meet any specifications, acceptance criteria or otherwise fail to conform to the Contract, the State may exercise any and all rights hereunder, including, for Goods deliverables, such rights provided by the Uniform Commercial Code, as adopted in North Carolina.

6.3 INVOICES

Vendor shall invoice the Purchasing Agency. The standard format for invoicing shall be Single Invoices meaning that the Vendor shall provide the Purchasing Agency with an invoice for each order. Invoices shall include detailed line-item information to allow the Purchasing Agency to verify pricing at the 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.

Upon delivery of goods send invoices to:

Kimberly Inscoe kinscoe@ncdot.gov

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

6.4 DISPUTE RESOLUTION

During the performance of the Contract, the Parties agree that it is in their mutual interest to resolve disputes informally. Any claims by the Vendor shall be submitted in writing to the State's Contract Manager for resolution. Any claims by the State shall be submitted in writing to the Vendor's Project Manager for resolution. The Parties shall agree to negotiate in good faith and use all reasonable efforts to resolve such dispute(s).

During the time the Parties are attempting to resolve any dispute, each shall proceed diligently to perform their respective duties and responsibilities under this Contract. The Parties will agree on a reasonable amount of time to resolve a dispute. If a dispute cannot be resolved between the Parties within the agreed upon period, either Party may elect to exercise any other remedies available under the Contract, or at law. This provision, when agreed in the Contract, shall not constitute an agreement by either party to mediate or arbitrate any dispute.

6.5 CONTRACT CHANGES

Contract changes, if any, over the life of the Contract shall be implemented by contract amendments agreed to in writing by the State and Vendor. Amendments to the contract can only be made through the contract administrator.

7.0 ATTACHMENTS

ATTACHMENT A: PRICING FORM

FURNISH AND DELIVER:

ITEM #	QTY	UOM	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
01	1	EA	15 Linear Feet (15'-7" X 10'-2") Corrugated Aluminum Structural Plate Pipe Arch, 0.125" thickness minimum	\$	\$
02	1	EA	One 40'-60" X 14' Headwall 12' length of 15'-7" X 10'-2" CASPPA fully welded to headwall to provide connection to the 15'-5 1/16" section of CASPPA.	\$	\$
03	1	EA	One 40'-6" X 14' Headwall 14' length of 15'-7" X 10'-2" CASPAA fully welded to headwall to provide connection to the 15'-5 1/16" section of CASPAA.	\$	\$
04	1	EA	Geogrid soil stabilization material equivalent to 1 Roll of 13 ft X 246 ft Tensar TX160	\$	\$

TOTAL EXTENDED PRICE: \$ _____

DESCRIPTION:

Corrugation Offered: _____

Manufacture of 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://ncadmin.nc.gov/formnorth-carolina-instructions-vendors032023/download?attachment>

ATTACHMENT C: NORTH CAROLINA GENERAL TERMS & CONDITIONS

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

<https://www.doa.nc.gov/pc-north-carolina-general-terms-and-conditions-5-2025/open>

ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION

Complete and return the Historically Underutilized Businesses (HUB) Vendor Information form, which can be found at the following link:

<https://www.doa.nc.gov/pandc/onlineforms/form-hub-supplemental-vendor-information-9-2021/download>

MUST BE COMPLETED AND RETURNED WITH BID RESPONSE

ATTACHMENT E: RESERVED

ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR

Complete and return the Location of Workers Utilized by Vendor, which can be found at the following link:

<https://www.doa.nc.gov/pandc/onlineforms/form-location-workers-09-2021/download>

MUST BE COMPLETED AND RETURNED WITH BID RESPONSE

ATTACHMENT G: RESERVED

ATTACHMENT H: VENDOR REQUEST FOR EO50 PRICE-MATCHING

Complete, sign, and return the Vendor Request for EO50 Price-Matching, which can be found at the following link:

https://files.nc.gov/ncdoa/pandc/OnlineForms/Form_Vendor-Price-Matching-Opportunity_09.2021.pdf

*** Failure to Return the Required Attachments May Eliminate
Your Response from Further Consideration *****