



STATE OF NORTH CAROLINA

DEPARTMENT OF ADMINISTRATION,

DIVISION OF PURCHASE & CONTRACT

Invitation for Bid #: DPC-1428364267-BP

Class 8 Truck Cab and Chassis

Date Issued: January 31, 2025

Bid Opening Date: February 21, 2025

At 3:00 PM ET

Direct all inquiries concerning this IFB to:

Brian Phillips

State Procurement Specialist III

E-mail: brian.phillips@doa.nc.gov

Phone: 984-236-0296

STATE OF NORTH CAROLINA
DEPARTMENT OF ADMINISTRATION – DIVISION OF PURCHASE AND CONTRACT
Statewide Term Contract

Refer <u>ALL</u> inquiries regarding this IFB to: All correspondence with vendors shall be through the Ariba Sourcing Tool. Questions will be received in the Ariba Sourcing Tool (only) based on the schedule in Section 2.4	Invitation for Bid #: DPC-1428364267-BP Bids will be publicly opened: Friday, February 21, 2024 @ 3:00 ET Microsoft Teams <u>Need help?</u> <u>Join the meeting now</u> Meeting ID: 282 716 525 369 Passcode: 4Bk2Fq6H
	Dial in by phone <u>+1 984-204-1487,,132063894# United States, Raleigh</u> <u>Find a local number</u> Phone conference ID: 132 063 894# Join on a video conferencing device Tenant key: ncgov@m.webex.com Video ID: 118 494 656 9 <u>More info</u>
For Statewide Use of All State Entities STC #: 2518A	Commodity # and Description: 25181602 Truck Chassis

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 below. These documents can be accessed from the Ariba Sourcing Tool.

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: Aria Contracting Sales & Services, Inc.		
STREET ADDRESS: 4155 Southwell Way	P.O. BOX: N/A	ZIP: 34241-6014
CITY & STATE & ZIP: Sarasota, Florida	TELEPHONE NUMBER: 9418677129	TOLL FREE TEL. NO: 8664547573
PRINCIPAL PLACE OF BUSINESS ADDRESS IF DIFFERENT FROM ABOVE (SEE INSTRUCTIONS TO VENDORS ITEM #21): 4155 Southwell Way; Sarasota, Florida 34241-6014		
PRINT NAME & TITLE OF PERSON SIGNING ON BEHALF OF VENDOR: Kristen Homan, Vice President		FAX NUMBER: 9419677129
VENDOR'S AUTHORIZED SIGNATURE: 	DATE: 03.04.2025	E-MAIL: khoman@ariacss.com

Bid Number: DPC-1428364267-BP

Vendor: Aria Contracting Sales & Services, Inc.

VALIDITY PERIOD

evp Customer Number: 410606

Offer shall be valid for at least one hundred twenty (120) days from date of bid opening, unless otherwise stated here: 120 days, or if extended by mutual agreement in writing 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 on date of 03/26/2025 as indicated,

by B Brian Phillips, State Procurement Specialist III.

(Authorized Representative of Department of Administration, Division of Purchase & Contract)

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1.0 PURPOSE AND BACKGROUND

The Department of Administration (DOA) serves as the business manager for North Carolina State government and provides leadership to State government for the effective, efficient, economical, and equitable delivery of services to the public. The department also aids and services several advocacy programs that serve diverse segments of the State's population that have traditionally been underserved. The Division of Purchase & Contract (P&C) is the strategic force to provide the State's entities with a catalog of Statewide Term Contracts (STC) that provide for an encompassing organized and efficient manner to pool resources to provide goods and services.

The State through the Department of Administration (DOA) Division of Purchase & Contract (P&C) is seeking vendors to establish a Statewide Term Contract to furnish and deliver the State's requirements for Class 8 Truck Cab and Chassis with a gross vehicular weight of 33,000 pounds or larger, throughout the State of North Carolina, on an "As Needed" basis, if and when ordered by State Departments, Agencies, and Higher Education Institutions during the contract period. These vehicles will be used to replace trucks that are near end of life and to supplement existing fleets that have taken on additional responsibilities.

This State of North Carolina is seeking vendors to supply the State's requirements for Class 8 Truck Cab and Chassis.

To comply with Governor Cooper's Executive Order 80 (October 2018), North Carolina's Commitment to Address Climate Change and Transition to a Clean Energy Economy, the contract resulting from this solicitation intends to provide sustainability features, per industry standards.

The intent of this Invitation for Bid (hereinafter, "IFB") is to receive pricing from Vendors which will offer savings to the State and confirm, through Vendors' submission of bids, its ability to meet the State's needs.

The contract resulting from this IFB is mandatory for State departments and most State Agencies, and by State higher education institutions (except under the conditions specified in G.S. 115D-58.14(a) and G.S. 116-13). The Contract may also be utilized, without further competition, by non-mandatory State Agencies and Other Eligible Entities.

Bids shall be submitted in accordance with the terms and conditions of this IFB and any addenda issued hereto. The intent of this solicitation is to award Statewide Term Contract.

1.1 CONTRACT TERM

The Contract shall have an initial term of five (5) years, beginning on the date of final Contract execution (the "Effective Date") or **February 28, 2025**, *whichever is later*.

At any time during the contract period the State may conduct an Open Enrollment process by posting a solicitation in the Ariba Sourcing Tool for the purpose of adding new manufacturer(s) to the contract, to provide a wide coverage of Class 8 Truck Cab and Chassis. The awarded Vendors will remain on the contract for the duration of the contract term unless terminated for convenience.

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

At the end of the Contract's initial term, the State shall have the option, in its sole discretion, to renew the Contract on the same terms and conditions. The State will give the Vendor written notice of its intent to exercise this option no later than thirty (30) days before the end of the Contract's then-current term.

1.2 ESTIMATED SPEND

Based on the historical usage of the STC, the estimated spend for the full term of this contract is \$36,000,000.

This amount is not guaranteed and could be more or less than the historical expenditure during the contract period. No maximum or minimum quantities are guaranteed.

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, which are incorporated herein by reference.

ATTENTION: This is an NC eProcurement solicitation facilitated by the Ariba Network. 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/>.

What is the Ariba Network?

The Ariba Network is a web-based platform that serves as a connection point for buyers and vendors. Vendors can log in to the Ariba Network to view purchase orders, respond to electronic requests for quotes, participate in Sourcing Events, and collaborate with buyers on contract documents.

For training on how to use the Sourcing Tool to view solicitations, submit questions, develop responses, upload documents, and submit offers to the State, Vendors should go to the following site:

<http://eprocurement.nc.gov/training/vendor-training>.

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 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, or issues 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 and amendment of specific provisions of the Contract that have been addressed during the question-and-answer period.

Other than through the process of negotiations 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 to during 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	1/31/2025
Hold Pre-Bid Conference	State	2/6/2025 at 2:00 PM ET
Submit Written Questions	Vendor	2/11/2025 at 2:00 PM ET
Provide Responses to Questions	State	2/14/2025
Submit Bids	Vendor	2/21/2024 at 3:00 PM ET
Intended Contract Award	State	3/10/2024

Urged and Cautioned Pre-Bid Conference

Date: 2/6/2025
Time: 2:00 PM EST

Microsoft Teams [Need help?](#)

[Join the meeting now](#)

Meeting ID: 275 231 223 761

Passcode: CS7mF2uk

Dial in by phone

[+1 984-204-1487,,685491168#](#) United States, Raleigh

[Find a local number](#)

Phone conference ID: 685 491 168#

Join on a video conferencing device

Tenant key: ncgov@m.webex.com

Video ID: 113 173 586 7

Instructions: Vendor representatives are URGED and CAUTIONED to attend the pre-bid conference and apprise themselves of the conditions and requirements which will affect the performance of the work called for by this IFB. A non- mandatory pre-bid conference is scheduled for this IFB. Submission of a bid shall constitute sufficient evidence of Vendor's compliance and no allowance will be made for unreported conditions which a prudent Vendor would recognize as affecting the performance of the work called for in this IFB.

Vendor is cautioned that any information released to attendees during the pre-bid conference, other than that involving the physical aspects of the facility referenced above, and which conflicts with, supersedes, or adds to requirements in this IFB, must be confirmed by written addendum before it can be considered as a part of this IFB and any resulting contract.

2.6 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 "Submit Written Questions" date and time provided in the IFB SCHEDULE Section above, unless modified by Addendum.

Questions related to the content of the solicitation, or the procurement process should be directed to the person on the title page of this document via the Sourcing Tool's message board by the date and time specified in the IFB SCHEDULE Section of this IFB. Vendors will enter "IFB # DPC-1428364267-BP- Questions" as the subject of the message. Question submittals should include a reference to the applicable IFB section. This is the only manner in which questions will be received.

Questions or issues related to using the Sourcing Tool itself can be directed to the North Carolina eProcurement Help Desk at 888-211-7440, Option 2. Help Desk representatives are available Monday through Friday from 7:30 AM ET to 5:00 PM EST.

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 Sourcing Tool in the form of an addendum 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.

See **Attachment I** to review questions asked on previous solicitations.

2.7 BID SUBMITTAL

IMPORTANT NOTE: This is an absolute requirement. Late bids, regardless of cause, will not be opened or considered, and will be automatically disqualified from further consideration. Vendor shall bear the sole 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. Failure to submit a bid in strict accordance with instructions provided shall constitute sufficient cause to reject a Vendor's bid(s). Solicitation responses are subject to Sealed Bidding requirements.

Vendor's bids for this procurement must be submitted through the Sourcing Tool. For training on how to use the Sourcing Tool to view solicitations, submit questions, develop responses, upload documents, and submit offers to the State, Vendors should go to the following site: <https://eprocurement.nc.gov/training/vendor-training>.

Questions or issues related to using the Sourcing Tool itself can be directed to the North Carolina eProcurement Help Desk at 888-211-7440, Option 2. Help Desk representatives are available Monday through Friday from 7:30 AM EST to 5:00 PM EST. Tips for Using the Sourcing Tool

1. Vendors should review available training and confirm that they are able to access the Sourcing Event, enter responses, and upload files well in advance of the date and time response are due to allow sufficient time to seek assistance from the North Carolina eProcurement Help Desk.
2. Vendors may submit their responses early to make sure there are no issues and then submit a revised response any time prior to the response due date and time. The State will only review the most recent response.
3. Vendors should respond to all relevant sections of the Sourcing Event. Certain questions or items are required in order to submit a response and are denoted with an asterisk. The Sourcing Tool will not allow a response to be submitted unless all required items are completed. The Sourcing Tool will provide error messages to help identify any required information that is missing when response is submitted.
4. Simply saving your response in the Sourcing Tool is not the same as submitting your response to the State. Vendors should make sure they complete the submission process and receive a message that their response was successfully submitted.
5. **Only Bids submitted through the Content Section of the Ariba Sourcing Event will be considered. Bids submitted through the Message Board will not be accepted or considered for award.**

2.8 BID CONTENTS

Vendors shall provide responses to all questions and complete all attachments for this IFB that require the Vendor to provide information and upload them to the Sourcing Event in the Sourcing Tool. Vendor may not be able to submit its response in the Sourcing Tool unless all required items are addressed. Vendors shall provide authorized signatures 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.

Vendors shall upload the following items and attachments in the Sourcing Tool:

- a) Cover Letter, must include the following: (i) a statement that confirms that the Vendor has read the IFB in its entirety, including all links, and all Addenda released in conjunction with the IFB; (ii) a statement that Vendor agrees to perform in accordance with the scope of work, requirements, and specifications contained herein; and (iii) Vendor's agreement to comply with all instructions, terms and conditions, and attachments.
- 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, along with the body of the IFB.
- d) Vendor Response: If applicable, Deviations as noted in Section 5.3 Deviations
- e) Signed receipt pages of any addenda released in conjunction with this IFB, if required to be returned.
- f) Completed version of ATTACHMENT A: PRICING WORKBOOK
- g) Completed and signed version of ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION

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- h) Completed and signed version of ATTACHMENT E: CUSTOMER REFERENCE FORM evp Customer Number: 410606
- i) Completed and signed version of ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR
- j) Completed and signed version of ATTACHMENT G: CERTIFICATION OF FINANCIAL CONDITION
- k) Completed and signed version of CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS and OMB STANDARD FORM LLL
- l) Completed version of ATTACHMENT H: SUSTAINABILITY EFFORTS

Submitted documents should have file names using the following naming convention:

Attachment X-Vendor Name.file extension

2.9 ALTERNATE BIDS

Unless provided otherwise in this IFB, Vendor may submit multiple 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. Each bid must be for a specific set of Goods and must include specific pricing. Each bid must be complete and independent of other bids offered. If a Vendor chooses to respond with various offerings, Vendor shall follow the specific instructions for uploading Alternate Bids in the Sourcing Tool. Note, multiple Alternate Bids will need to be provided in a Zip File, in the Sourcing Tool.

2.10 DEFINITIONS, ACRONYMS, AND ABBREVIATIONS

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

- a) NCDOT – North Carolina Department of Transportation
- b) EPMQ – Equipment Preventative Maintenance Questionnaire
- c) Piggy-backed – A shipping process where multiple trucks are hitched together to be transported by a single tractor-trailer
- d) MCO – Manufacturer’s Certificate of Origin
- e) MVR-1 – Manufacturer’s Title Application
- f) CT – Cab to Tandem

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.

The bid for a line item will be determined by the total for each line item (see **ATTACHMENT A – PRICING FORM**). It is the State’s intent to have multiple manufacturers represented in each category. In the event that two (2), or more Vendors offer the same manufacturer’s product(s), it is the intent of the State to make an award to the Vendor with the most complete offering per category, and highest percentage discount offered off MSRP List for a particular manufacturer’s product(s).

While the intent of this IFB is to award a Contract(s) to 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

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is considered to be most advantageous to the State to do so.

Vendor: Aria Contracting Sales & Services, Inc.

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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 the Paragraph 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 proposal 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 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 the Bid Submittal section above.

All bids must be received by the issuing agency not later than the date and time specified in the IFB SCHEDULE Section above, unless modified by Addendum. Vendors are cautioned that this is a request for offers, not an offer or request to contract, and the State 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 State.

At the date and time provided in the IFB SCHEDULE Section above, unless modified by Addendum, the bids from each responding Vendor will be opened publicly and all offers (except those that have been previously withdrawn, or voided bids) will be tabulated. The tabulation shall be made public at the time it is created. When negotiations after receipt of bids is authorized pursuant to G.S. 143-49 and 01 NCAC 05B.0503, only the names of offerors and the Goods and Services offered shall be tabulated at the time of opening. Cost and price shall become available for public inspection at the time of the award. 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.

At their option, the evaluators may request oral presentations or discussions with any or all Vendors for clarification or to amplify the materials presented in any part of the bid. 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 of 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 **the electronic Vendor Portal (eVP)**, <https://evp.nc.gov>, 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

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and represented the best value to the State.

Vendor: Aria Contracting Sales & Services, Inc.

evp Customer Number: 410606

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 in either case to require Vendor to submit a Best and Final Offer (BAFO) based on discussions and negotiations with the State.

3.4 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

3.5 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 the State for delivery fully assembled and ready for use, including all applicable charges for shipping, delivery, handling, administrative and other similar fees. Complete ATTACHMENT A: PRICING WORKBOOK and upload in the Sourcing Tool. The pricing provided in ATTACHMENT A, or resulting from any negotiations, is incorporated herein and shall become part of any resulting contract. Pricing should be based on 2026 model year.

The Vendor will demonstrate reasonableness of price by offering the Percentage Discount to North Carolina which is the same or better than provided in a current contract to similarly situated governmental entities (i.e. other State contracts, GSA, NASPO ValuePoint, Veteran's Administration, Department of Defense or other governmental entities). If the Vendor is unable to offer the Percentage Discount to NC that is the same or better than given to other similarly situated governmental entities, Vendor shall include with the response a brief explanation as to why they are unable to do so. The State reserves the right to request further information such as copies of other governmental contracts, to determine the reasonableness of the price offered.

4.2 ESTIMATED QUANTITIES

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The quantities indicated herein are annual estimates only and are provided for informational purposes based on the anticipated usage during the previous 3-year period. No maximum or minimum quantities are guaranteed. It shall be understood and agreed that the State may purchase more or less than the estimated quantities during the contract period. The State reserves the right to increase or decrease the quantities as needed. The State shall not be obligated to purchase more than its normal requirements. The State will be responsible only for items requested and received.

4.3 ADDITIONAL SAVINGS OFFERS/REBATES

This component of the Pricing Response is optional, but the State encourages Vendors to provide additional financial incentives/rebates, if possible, within the scope of this IFB, that will benefit the State. These additional incentives could include, but are not limited to additional discounts based on total spend volumes, tier pricing, rebates, additional discounts by manufacturer, etc. Additional Discount Offers shall be in addition to the discounts Vendor offers as a List Item Price. Additional Discount Offers should be provided in ATTACHMENT A: PRICING WORKBOOK.

Additional Discounts: As part of the pricing submittal, Vendors are being requested to propose an additional percentage discount which would be applied to all orders for the remainder of the contract term if and when the total orders against the contract exceed the provided amount, at any point during the life of the contract. Orders from all entities utilizing this contract will count toward the contract volume discount threshold.

Rebates: If a rebate is offered, it will be based on reported sales, on a quarterly basis (see Section 6.6 QUARTERLY REPORTS). The Vendor shall submit the rebate amount due by check with the "Contracts Number," "Report Amount," and "Report Period" on either the check stub or other remittance materials. The payment shall be made by check as described herein.

Checks shall be payable to: NCDOA, Division of Purchase & Contract

Checks shall be mailed to: NCDOA, Division of Purchase & Contract, Contract Manager

1305 Mail Service
Center 325 N. Salisbury
Street Raleigh, NC
27603

All discounts in Vendor's bid shall remain in effect for the entire contract period and shall not be decreased. However, the discount may be increased, and any such increase shall remain in effect for the remainder of the contract period and any subsequent extensions. Volume or tier discounts, if offered, shall apply to purchase orders placed for delivery to the same location. Vendors may provide volume or tier discounts to orders that include multiple delivery points from the same agency.

The State reserves the right to accept or reject all or part of the proposed Additional Discount Offers as part of a Vendor's Total Price Submittal Value. The State has sole discretion to not assign value to Vendor's proposed Additional Discount Offers which the State cannot quantify or to give only partial value for Additional Discount Offers. Vendors may offer the State additional discounts using the Additional Discount Offers within ATTACHMENT A-PRICING SUBMITTAL WORKBOOK.

4.4 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.

4.5 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.

4.6 DELIVERY

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

North Carolina Department of Transportation

Equipment and Inventory Control Unit
4809 Beryl Road
Raleigh, NC 27606

Godwin Manufacturing Company, Inc.

17665 US 421 Dunn South
Dunn, NC 28334

Knapheide Truck Equipment MidSouth

3572 Fieldstone Trace
Midland, NC 2107

Or to any designated location within the State of North Carolina's 100 counties.

Vendor should complete delivery within 120 consecutive calendar days after receipt of purchase order.

For completion by Vendor: Delivery will be made from Zanesville, Ohio (city, state) within 120 consecutive calendar days after receipt of purchase order. Promptness of delivery may be used as a factor in the award criteria.

The State reserves the right to evaluate the delivery schedule offered as a factor in determining award of this contract. The delivery schedule will be finalized with the successful Vendor when a purchase order is issued if multiple units are ordered at the same time. The successful Vendor will be expected to adhere strictly to this delivery schedule, finalized in accordance with the North Carolina Department of Transportation (NCDOT) guidelines, AFTER a purchase order is issued.

Vendors are cautioned that excessively long delivery schedules, as determined by this Division, may be cause for non-award. The State expects that the delivery schedule offered herein to be firm and fully expects compliance with the stated delivery schedule. Failure of the Vendor to meet contracted delivery schedules shall constitute cause for removal from the contract.

In the event the delivery is not received within the contract delivery period, the Vendor may be held in default in accordance with ATTACHMENT C, SECTION 1. - DEFAULT AND PERFORMANCE BOND, in the North Carolina General Contract Terms and Conditions, and the State may procure the articles or services from other sources and hold the Vendor responsible for any excess cost occasioned thereby.

SPECIAL NOTE:

The State will not allow delivery of any equipment until the Electronic Manuals and the Equipment Preventative Maintenance Questionnaire (EPMQ) Form with supporting documentation have been furnished, approved and accepted per the requirements of this bid. If delivery is delayed for failure to provide these associated materials, liquidated damages (per Section 4.15 – Liquidated Damages) will be in effect.

METHOD OF DELIVERY:

If "Piggy Backed", units shall have right and left axle shafts removed and hubs sealed off to prevent loss of lubricant. Prior to delivery, axles shall be replaced and wheels cleaned.

Describe how trucks are shipped and delivered:

4.7 ON-TIME DELIVERY RATE

The Vendor shall maintain an on-time shipment rate of at least 95% of orders being shipped within delivery terms. On-time shipment is defined as shipping all ordered items to the receiving point designated by the Buyer within the shipping time required in Section 4.5 DELIVERY. The on-time shipping rate is calculated using the following formula:

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(Number of On-Time Order Shipments) / (Total Number of Orders) x 100% = On-Time Shipment Rate

Note: On-Time Shipment Rate will be rounded to the nearest whole percent.

Shipment Timing	Percent On-Time Shipment Rate
Section 4.6 Calendar Days	95%

NOTE: An order will not be considered shipped until all items in the order have been shipped to the State. This includes all shipments required to complete a given order. Therefore, the "Total Number of Orders" is equal to the total number of orders received, subtracting any orders that are cancelled by the State prior to shipment. If the Vendor makes multiple shipments to fill a single order, the shipment is not considered complete until all items have been shipped. Once all items have been shipped the order will be considered either "On-Time" or "Late". Vendor shall not cancel or require that the State cancel any partial order or item considered "back-ordered" due to shipment delay unless requested to do so by the State, nor engage in any process or activity with an effect of inflating the actual On-Time Shipment Rate without prior written authorization from the State.

4.8 PRODUCT RECALL

Vendor expressly assumes full responsibility for prompt notification to the Contract Manager at the State's Division of Purchase & Contract of any vehicle recall in accordance with the applicable State or Federal regulations. The Vendor shall support the Contract Manager in necessary follow-up with State entities that have purchased recalled vehicles to repair or replace, at no cost to the State, any such vehicle promptly.

4.9 QUALITY ACCEPTANCE INSPECTION

It is the responsibility of the receiving Buying Entity 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.

4.10 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 upon request from the agency. 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

4.11 WARRANTY

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

Vendor shall be responsible for compliance with warranty terms by any third-party service provider. Vendor shall provide contact information for warranty service provider, below.

Vendor is authorized by manufacturer to repair equipment offered during the warranty period? ☐ YES ☒ NO

Will the Vendor provide warranty service? ☐ YES ☒ NO, a manufacturer-authorized third party will perform warranty service.

Contact information for warranty service provider:

Company Name	White's International Trucks
Company Address	1924 Brentwood St.; High Point, North Carolina 27260
Contact Name	Mr. Bruce Kidd, Service Manager

Contact Phone #	(336) 889-6628
Contact Email	bkidd@whitestractor.com

4.12 DEMONSTRATION AND DESCRIPTIVE LITERATURE

DEMONSTRATION

The State reserves the right to require a demonstration of the exact model of equipment offered in order to assess suitability of the offered equipment for the intended use. Such demonstration shall be performed at Agency's facility or virtually by Vendor or his authorized representative before award of contract, upon request by and without charge to the State. Failure of Vendor or his authorized representative to perform a satisfactory demonstration (if requested) in accordance with these requirements shall be a sufficient basis for rejection of the bid. The results of such demonstration will be considered in the evaluation and award of a contract.

DESCRIPTIVE LITERATURE/CERTIFICATION

Vendor shall submit with the bid, Descriptive Literature to all of the vehicles being offered, in the designated area of the Sourcing Tool.

DRAWINGS

Two (2) sets of a truck chassis lay-out drawings shall be provided to the Production Control Manager within thirty (30) days from receipt of purchase order, addressed to:

N.C. Department of Transportation
Division of Highways
4809 Beryl Road
Raleigh, NC 27606

Or, if not a NCDOT purchase, drawings should be provided to the Purchasing Entity's Buyer that placed the order.

During the contract life, successful Vendor should inform the state of any changes that take place on the model offered whether it's basic changes or major changes. Supporting documents or engineering drawings should be presented to the state for the changes.

4.13 VENDOR'S PUBLISHED CATALOG & LISTS

The awarded Vendor shall furnish, as part of the contract, the following to the ***Manager of the Equipment & Inventory Control Unit***:

- A. One (1) operator's manual for the specific make & model of equipment shall be in each piece of equipment when delivered. Failure to furnish will delay payment.
- B. Two (2) electronic format copies of descriptive parts catalogs, operator's manual and shop/service manuals containing OEM Part Nos. covering all systems, components and accessories for the specific make & model of equipment purchased. These are to be delivered to the NCDOT Production Control Manager at 4809 Beryl Road or Purchasing Entity's Buyer within ten (10) days after receipt of purchase order.

The Purchasing Entity reserves the right to refuse delivery of any equipment until the electronic or paper manuals have been received, approved and accepted. Payment will not be rendered until manuals are received and determined to be suitable for use in the Purchasing Entity's electronic infrastructure.

DELIVERY AUTHORIZATION MUST BE RECEIVED FROM THE PRODUCTION CONTROL MANAGER BEFORE ANY EQUIPMENT IS DELIVERED.

- C. Two (2) electronic format copies of updates to the parts catalog and shop manuals for the specific make and model of equipment delivered shall be furnished to the State at the same time such updates are furnished to a dealer. Expenses incurred by the State as a result of the Vendor failing to provide updates under section C will be passed to the Vendor.

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Electronic Format: The successful Vendor shall be responsible for providing the electronic media as described above in Adobe Portable Document Format or an electronic format pre-approved by the Purchasing Entity.

- D. In lieu of electronic format, the State will accept two (2) original paper versions of items listed above. Paper version is to be presented in 8.5" by 11" portrait presentation.

NOTE: Parts catalogs, service manuals, operator's manuals, or other material needed to satisfy these requirements are not to be bid as separate items. All materials shall be furnished as specified and applicable to the equipment bid, at no additional cost. The Vendor specifically agrees that such material supplied under this section may be copied or reproduced in any manner for use by NCDOT.

4.14 DIAGNOSTIC SOFTWARE

When diagnostic ports are available on the equipment or any component of the equipment the Vendor is requested to furnish a price for supplying all components needed from the equipment data port(s) to a laptop or desktop computer. This should include but is not limited to such items as cables and software that the State will need to download diagnostic data or trouble shooting codes. The State will furnish laptop or desktop computers but will need compatibility requirements. The State reserves the right not to purchase the diagnostic equipment at the same time as the equipment is purchased.

What components can be checked through diagnostic ports?

Diamond Logic equips operators with nearly 200 factory available safety and efficiency features. Users have the power to program individual features for their specific needs. One wire connects major vehicle components and transmits information immediately to and from the driver. Onboard diagnostics allows operators to pinpoint and address vehicle issues in seconds. Diamond Logic safety interlocks protect equipment and crew. From automating headlights to inhibiting ignition during unsafe conditions, the system delivers a higher level of safety. Application for Compressed Gas: Pump Sequencing - Allows operators to design a custom dispensing system sequence with safety-enhancing interlocks. Equipment Stow Safeguard - Interlocks hose and nozzles with the engine so vehicles can't drive from the job site unless equipment is properly stowed. Application for Dump: Low Hydraulic Oil Level Indicator - Measures and alerts operators of low volume oil to prevent equipment damage. Hydraulic Oil Filer Clog Indicator - Indicates a clogged filter, which prevents the hydraulic system from working properly.

List what will be furnished:

Advanced Remote Diagnostics is included for five years standard on new Class 6-8 International truck and IC Bus® models

4.15 PILOT MODEL AND PRECONSTRUCTION MEETING

PILOT MODEL

The State reserves the right to require that a pilot model be made available, inspected and approved before any units are shipped. Inspection for compliance with specifications shall be at Vendor's plant and the cost of the inspection shall NOT be included in the Vendor's price of the items and will be added as a separate line item on Attachment A: Pricing Workbook. The Pilot Model inspection

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will be limited to a three (3) person committee representing the State of North Carolina and will only be held for orders greater than twenty (20) units on a single purchase order. The travel arrangements, accommodations and meals shall be reasonably related to the purpose of conducting the necessary inspections, and the Vendor may not provide or otherwise cover the cost of any goods or services unrelated to the purpose of conducting the necessary inspections (G.S. 14-234 and 133-32). Furthermore, all travel arrangements must be made pursuant to the State's rules and regulations and the costs will then be passed to the Vendor.

Once the initial Pilot Model has been approved, no additional inspections will be necessary unless a significant change to the model has occurred. (I.e., model year change or design change) Final inspection and acceptance of all other units will be made at the N.C DOT, Division of Highways Equipment Depot, Raleigh, NC. If required, the pilot model inspection date will be set when a purchase order is issued.

PRE-CONSTRUCTION MEETING

The State reserves the right to require a pre-construction meeting to be held in Raleigh, NC prior to fabrication of the equipment. A representative of the awarded Vendor, who has technical expertise and the authority to make decisions regarding mechanical aspects of the machine, shall be present at the meeting. The meeting is to be scheduled by agreement between the awarded Vendor and representatives from the State of North Carolina and the Purchasing Entity or NCDOT.

4.16 LIQUIDATED DAMAGES

Liquidated damages shall be assessed and deducted from invoice for failure to complete delivery per the **delivery schedule set in accordance with the Purchasing Entity guidelines when a purchase order is issued**. These damages will be calculated at \$77.85 per day, per unit, for any units delivered past the guaranteed delivery date. Failure to provide associated materials (service & parts manuals, etc.) as requested will result in delay of payment.

4.17 REPAIR PARTS

Vendor shall maintain access to a complete inventory of repair parts for the offered equipment, located within the United States, for ten (10) years after the date of acceptance of the equipment. Critical repair parts from this inventory shall be received by the designated repair depot within five (5) working days after request. "Critical Repair Parts" are defined as those parts, which are essential for the safe and proper operation of the machine.

The parties agree that calculation of actual damages resulting from failure to deliver Critical Repair Parts within five (5) working days is extremely difficult, if not impossible, to calculate accurately, and the parties also agree that the compensation identified for each such failures are a reasonable estimate of damages resulting from a failure to timely deliver such parts. Therefore, the parties agree that the Vendor shall be subject to amounts due as liquidated damages but not as a penalty, for each such failure, as follows: the amount of \$54.80 shall be deducted from parts invoice(s) for each working day that completed delivery of such parts is in excess of the five (5) day limit.

This Liquidated Damages will only apply in cases where the parts order has been placed with the Vendor. Liquidated damages shall be assessed for a period of three (3) years from date of acceptance of each piece of equipment purchased under the contract resulting from this IFB.

The State may waive the above repair parts Liquidated Damages in any instance where such non-performance, in the sole determination of the State, is due to factors other than those under control of the Vendor and/or manufacturer.

4.18 TRAINING

Training is required for new operators and the awarded Vendor shall furnish a qualified representative to instruct the owner's operators in proper operation, maintenance and service of the equipment for a minimum period of eight (8) hours in up to fourteen (14) location(s), statewide. For "Statewide Term Contracts" the State reserves the right to require training for any additional units purchased during the contract period. The number of training locations may increase or decrease with each purchase order based on the quantity of items purchased. After a period of six (6) months a trouble shooting and repair training session shall be held by a repair technician instructing owner's mechanic in the repair techniques at a location appropriate for the State of North Carolina's needs, each for up to eight (8) hours as deemed appropriate. All training sessions shall be coordinated with and at the convenience of the State of North Carolina through the office of the Fleet Materials Management (919-835-8005). If there's a charge for training it should be included on Attachment A: Pricing Workbook.

4.19 SAMPLE MAINTENANCE ITEMS

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One (1) complete set of any filters, including but not limited to oil, fuel, hydraulic or water, used on the offered unit to perform preventative maintenance, shall be delivered with the first unit. Failure to comply with this requirement will result in delay of payment.

4.20 INSTRUCTIONS FOR TITLE INFORMATION (WHEN APPLICABLE)

THE PREPARATION OF MANUFACTURER'S CERTIFICATE OF ORIGIN (MCO) AND MOTOR VEHICLES TITLE APPLICATION (MVR-1) ARE TO BE AS FOLLOWS:

MCO: For NCDOT, In the space indicating **Name of Purchaser(s)**, without additional abbreviations or exceptions, shall always read as follows:

DIVISION OF HWYS / NC DEPT OF TRANSPORTATION / STATE OF NC
4809 Beryl Road
Raleigh, NC 27606

For all other purchasing entities, the vendor is responsible for confirming the correct title information prior to filing.

The name of the selling Dealer must match on the front and the back of the MCO. Also, the GVWR and the Shipping Weight must be filled in on the MCO.

THE MCO MUST BE NOTARIZED. IF ANY OF THE ABOVE REQUIREMENTS FOR THE MCO ARE NOT MET, THE MCO WILL BE REJECTED.

MVR-1: The seller is required to fill in all boxes in the **Vehicle Section** portion of this form. For NCDOT, the **Owner Section** of this form must be filled in as it appears here. For all other purchasing entities, the vendor is responsible for confirming the correct title information prior to filing.

Owner 1 ID # DIVISION OF HWYS

Full Legal Name of Owner 1 or Company Name

Owner 2 ID # NC DEPT OF TRANSPORTATION / STATE OF NC

Full Legal Name of Owner 2 or Company Name

Business Address: 4809 Beryl Rd

City and State Raleigh, NC Zip Code 27606 Tax County Wake

Also, the seller is required to fill in the following boxes of the **MVR-1**.

NC Dealer No.

From Whom Purchased (Name and Address)

Purchase Date

Sales Price

This form can be found at no charge online at www.ncdot.org/dmv/forms/

4.21 EQUIPMENT PREVENTATIVE MAINTENANCE QUESTIONNAIRE (EPMQ)

A completed Equipment Preventative Maintenance Questionnaire (EPMQ) form with supporting documentation must be submitted by the awarded Vendor **within ten (10) days after receipt of Purchase Order. A blank EPMQ form is included in Attachment H.**

The EPMQ form consists of blanks in which servicing information is to be listed for the equipment furnished. This is a generic form and blanks that are not applicable are to be completed with N/A. The information supplied on the EPMQ form is entered in a DOT Division of Highways equipment database that is accessible by all of our shops.

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The Purchasing Entity reserves the right to refuse delivery of any equipment until the EPMQ form has been received, approved and accepted. Payment will not be rendered by DOT until the EPMQ form is received and determined to be suitable for use by NCDOT. DELIVERY AUTHORIZATION MUST BE RECEIVED FROM THE PRODUCTION CONTROL MANAGER BEFORE ANY EQUIPMENT IS DELIVERED.

Special Note:

Information provided on the EPMQ form must be correct or awarded Vendor will be assessed for expenses incurred as a result of incorrect information being provided.

Supporting documentation is required with submission of every form.

This supporting documentation can consist of a manual or any part of a manual that supports the service information provided on the EPMQ form. We will accept an owner's manual, operator's manual, parts manual, service manual, technical manual, bill of material, engineering technical document or copies of pages from any of these manuals that contain the required service information. The Purchasing Entity must be able to verify any copies of manuals or pages furnished came from the manufacturer's manual for the make and model of equipment being provided.

4.22 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 Businesses 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.

4.23 REFERENCES

Vendors shall upload to the Sourcing Tool at least three (3) references from different organizations, using ATTACHMENT E: 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 bid.

4.24 SUSTAINIBILITY EFFORTS

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. The bid must describe, within Attachment H how environmental requirements which relate to clear labeling of the environmental/sustainability attributes (e.g. environmental certifications, total and post-consumer recycled content, etc.) of products in the proposed product catalogs, demonstrating the ability to run usage reports that include information about each product's environmental/sustainability attributes, packaging and recycling of spent products.

4.25 VENDOR'S REPRESENTATIONS

If Vendor's 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.

4.26 FINANCIAL STABILITY

As a condition of contract award, the Vendor must certify that it has the financial capacity to perform and to continue to 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 this contract; and that entering into this contract is

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Vendor: Aria Contracting Sales & Services, Inc.

not prohibited by any contract, or order by any court of competent jurisdiction evp Customer Number: 410606

Each Vendor shall certify it is financially stable by completing the ATTACHMENT G: 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.

4.27 INSURANCE REQUIREMENTS MODIFICATION

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

☒ Contract value in excess of \$1,000,000.00

4.28 LOBBYING ACTIVITY CERTIFICATION FOR FEDERAL GRANTS

Federal law prohibits recipients of federal funds, whether through grants, contracts, or cooperative agreements, from using those funds to influence or attempt to influence (lobby) a federal official in connection with obtaining, extending, or modifying any federal contract, grant, loan, or cooperative agreement. Further, federal law requires that applicants for federal funds certify:

- that they abide by the above restriction.
- that they disclose any permissible (non-federal) paid lobbying on the Federal Awards being applied for; and
- that such certification requirements will also be included in any subawards meeting the applicable thresholds.

Vendors must complete and submit the CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS and the OMB STANDARD FORM LLL when responding to this solicitation.

4.29 SECRETARY OF STATE REGISTRATION

Upon notification of award, the selected vendor(s) shall complete registration with the NC Secretary of State and shall furnish evidence of filing to the Procurement Lead. Failure to provide a proof of registration will result in the removal as a selected vendor(s) from the contract award. Note that any prolonged (longer than ten (10) business days) notification of evidence of filing may result in a disqualification for award.

A contract award under the above-referenced solicitation, and the resulting purchase orders, will produce repeated orders and transactions in North Carolina and will constitute "transacting business" in the State, which requires a certificate of authority from the North Carolina Secretary of State as provided in G.S. §55-15-01 (corporations) or §57D-7-01 (LLCs). Please go to: <https://www.sosnc.gov/> to register.

Vendor registered with the North Carolina Secretary of State: Yes ☒ No ☐

5.0 SCOPE OF WORK AND SPECIFICATIONS

Detailed specifications are outlined in ATTACHMENT J: Class 8 Truck Cab and Chassis - Specifications

5.1 GEOGRAPHIC COVERAGE

The Vendor shall provide coverage for all 100 North Carolina Counties.

5.2 SPECIFICATIONS

Detailed specifications are outlined in ATTACHMENT J: Class 8 Truck Cab and Chassis – Specifications for the following vehicle types:

1. Truck, Cab & Chassis, Diesel Engine Powered, 35,000 GVWR
2. Truck, Cab & Chassis, Diesel Engine Powered, Tandem Axel 50,000-70,000 GVWR
3. Truck Tractor, 90,000 POUND GCWR, Over the Road
4. Truck Tractor, 90,000 POUND GCWR, On Road-Off Road
5. Truck Tractor, 140,000 POUND GCWR, Heavy Hauling On/Off Road

5.3 DEVIATIONS

The nature of all deviations from the Specifications listed herein shall be clearly described by the Vendor. Otherwise, it will be considered that items offered by the Vendor are in strict compliance with the Specifications provided herein, and the successful Vendor shall be required to supply conforming goods. Deviations shall be explained in an attached sheet, titled DEVIATIONS. However, no implication is made or intended by the State that any deviation will be acceptable. Do not list objections to the North Carolina General Terms and Conditions in this section.

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.

State Contract Administrator: Brian Phillips, brian.phillips@doa.nc.gov, 984-236-0296

State Contract Manager: Jonathan Davis, jonathan.davis@doa.nc.gov, 984-236-0225

Note: In the event the State's Contract Administrator or Contract Manager changes, notification will be sent to the Vendor's Contract Manager and the Contract Synopsis on the DOA P&C website will be updated.

6.1 CONTRACT MANAGER AND CUSTOMER SERVICE

The Vendor shall be required to designate and make available to the State a Contract Manager. The Contract Manager shall be the State's point of contact for contract related issues and issues concerning performance, progress review, scheduling, and service.

Contract Manager Point of Contact	
Name:	KRISTEN HOMAN
Office Phone #:	(866) 454-7573 xt. 404

Bid Number: DPC-1428364267-BP

Vendor: Aria Contracting Sales & Services, Inc.

Mobile Phone #:	(941) 893-9237
E-mail:	khoman@ariacss.com

evp Customer Number: 410606

The Vendor shall be required to designate and make available to the State for customer service. The customer service point of contact shall be the State's point of contact for customer service-related issues.

Customer Service Point of Contact	
Name:	Chip Castaing
Office Phone #:	(866) 454-7573
Mobile Phone #:	(813) 431-2311
E-mail:	ccastaing@ariacss.com

6.2 ELECTRONIC PRODUCT CATALOG

Vendors have one (1) option to select from for managing products using the State's NC E-Procurement Services to develop and manage a catalog solution. Options include:

1. Ordering Instructions –
 - a. No limit to products available.

6.2.1 Ordering Instructions Solution

The State will allow for 'Ordering Instructions' for custom built or customized equipment purchases only. Vendor will be required to provide the sales representative's contact information at the time of award. If selected for contract award, the State will work with awarded Vendors and the E-Procurement team to create catalogs that meet the requirements for ordering instructions depending on the complexity of the awarded contract and the number of items available.

6.3 POST AWARD BUSINESS REVIEW MEETINGS

The Vendor, at the request of the State, shall be required to meet periodically annually with the State for Business Review meetings. The purpose of these meetings will be to review purchase data, discuss Vendor and State performance, address outstanding issues, review problem resolution, provide direction, evaluate continuous improvement and cost saving ideas, and discuss any other pertinent topics.

Business review meetings shall be presented by the Vendor and be inclusive of the following:

1. Spend overview (State Agency Spend) FY Comparison
 - a. Volume Discount
2. Product Cost Savings from list price
3. Product Accuracy Rate – Percent of equipment invoiced and shipped without post order correction
4. Complete Shipment Rate – Percent of orders filled in one (1) shipment
5. On Time Delivery Rate – Percent of orders delivered within contract delivery term
6. Sustainability Efforts and Results
7. Additional Discounts Exercised
8. Rebates
9. Challenges
10. Improvement Ideas

6.4 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.

6.5 PERIODIC QUARTERLY SPEND REPORTS

The Vendor shall be required to provide Sales Management Reports to the above designated Contract Manager on a quarterly basis. This report shall include, at a minimum, information concerning:

1. Sales Report (total cost) by State entity, to include agencies, community colleges, universities, school systems, local government entities.
2. Sales Report Category, Items Purchased (Manufacturer), Item Description, Quantity, Unit of Measure, List Price, Contract Price, any additional delivery charges such as specialty packaging or overnight delivery, Ordering Entity, Delivery Location (City), Order Date, Shipment Date, Delivery Date for consumables, and delivery date for non-routine consumables and equipment.

Quarterly Sales Management Reports shall be sent to PCReports@doa.nc.gov with the Contract Manager copied at the above indicated e-mail address. Vendor shall include all issues identified by Vendor related to Vendor performance or to the State's usage of the contract.

These reports shall be well organized and easy to read. The Vendor shall submit these reports electronically, to include using the [Vendor Quarterly Spend Data Report](#). The Vendor shall submit the reports in a timely manner and on a regular schedule as agreed by the parties.

Vendor shall submit the Quarterly Sales Management Reports by the 15th of the month following the end of the quarter. The Quarterly Management Report delivery schedule is included below:

By October 15th: Q1 Quarterly Management Report for July – September

By January 15th: Q2 Quarterly Management Report for October – December

By April 15th: Q3 Quarterly Management Report for January – March

By July 15th: Q4 Quarterly Management Report for April – June.

This schedule aligns with the State's fiscal year. If the contract start date does not align with the start of a quarter, the initial Quarterly Management Report shall be for the period from the contract start date to the end of the existing calendar quarter. Timely submission of all reports shall be a material term of this contract and failure to do so shall constitute a default.

Additional related sales information and/or details on user purchases may be required by the State and must be supplied within thirty (30) days of any such request. A template for any such reports may be provided by the State, at its discretion.

Vendor is required to provide a sample of their reporting capabilities at the post-award Contract Kick-off Meeting.

6.6 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 Purchasing Agency 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.

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

6.7 DISPUTE RESOLUTION

During the performance of the contract, the Parties agree that it is in their mutual interest to resolve disputes informally. Any claims

Bid Number: DPC-1428364267-BP

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.

6.8 PRODUCT RECALL

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

6.9 POST AWARD PRODUCT SUBSTITUTION, ADDITIONS, & REMOVALS

Post-Award product substitutions are not permitted without prior written approval from the Contract Administrator. Proposed substitutions shall be of the same or higher quality and at the same or lower price as the original item. Failure of the Vendor to comply with this requirement shall constitute sufficient cause to hold the Vendor in default or for removal from the contract.

The items included in this IFB are expected to cover the State's needs for the term of the contract. In the case that the State's needs change over the term of the contract, the State reserves the right to add additional products to the contract that can be supplied by the awarded Vendor. The price for these added products will be mutually agreed to by the State and the Vendor but are assumed to be priced at a discount similar to what is being offered on the products listed in the IFB.

6.10 PRICE ADJUSTMENTS

Prices proposed by the Vendor shall be firm against any increase through the model year in production at the time of bid submittal.

Price increase requests at the change of the model year shall be submitted in writing to the Contract Manager, which shall include the reason(s) for the request and contain supporting documentation for the need. Price increases will be negotiated and agreed to by both the State and Vendor in advance of any price increase going into effect. The State is not obligated to accept pricing adjustments or increases and reserves the right to accept or reject them in part or in whole. Price de-escalation or decreases may be requested by the State at any time.

It is understood and agreed that orders will be shipped at the established contract prices in effect on the date an order is placed. Invoicing that deviates from this provision may result in contract cancellation.

6.11 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.

6.12 TAXES

No taxes shall be included in any bid prices.

6.13 ATTACHMENTS

All attachments to this IFB are the copies found within the Ariba Sourcing Tool, and are incorporated herein, and shall be submitted by responding in the Sourcing Tool.

The remainder of this page is intentionally left blank.

Bid Number: DPC-1428364267-BP

Vendor: Aria Contracting Sales & Services, Inc.

evp Customer Number: 410606

Solicitation Addendum

Issuing Agency:	Department of Administration, Purchase & Contract
Solicitation Number:	DPC-1428364267-BP
Solicitation Description:	Class 8 Truck Cab and Chassis
Bid Opening Date & Time:	March 4, 2025 @ 2:00 PM
Addendum Number:	#1
Addendum Date:	February 24, 2025
Procurement Lead:	Brian Phillips

FAILURE TO RETURN THIS ADDENDUM SHALL SUBJECT YOUR RESPONSE TO REJECTION.

1. The Solicitation is hereby modified as follows:

Modification #	Solicitation Section	Current Solicitation Language	Updated Solicitation Language
1	Section 2.4 IFB Schedule – Submit Bids	February 21, 2025 at 3:00 PM ET	March 4, 2025 at 2:00 PM ET
2	Section 2.6 Bid Questions	See Attachment I to review questions asked on previous solicitations.	Deleted.
3	Attachment A: Pricing Workbook, 35,000LB. GVW Cab and Chassis	Column Header “Unit Price”	“Unit Price with Automatic Transmission” and “Unit Price with Automated Manual Transmission”
4	Attachment A: Pricing Workbook, 35,000LB. GVW Cab and Chassis, Item 1	Conventional cab, w/automatic transmission and bucket seats as described in attached specifications.	Conventional cab, w/bucket seats as described in attached specifications.
5	Attachment A: Pricing Workbook, 35,000LB. GVW Cab and Chassis, Item 4		Option for REPTO (Rear Engine Power Take Off).

Vendor Aria Contracting Sales & Services, Inc.
exp Customer Number: 410606

Modification #	Solicitation Section	Current Solicitation Language	Updated Solicitation Language
6	Attachment A: Pricing Workbook, Optional Pricing (Engine Modifications)	Vendors are requested to provide pricing for upgrading/tuning the engine RPM, Speed or Horsepower.	Vendors are requested to provide pricing for upgrading/tuning the maximum truck speed to 75 miles per hour.
7	Attachment J: Specifications 35K GVWR Item 12i Engine Requirements	Shall have all provisions for front engine crankshaft driven hydraulic PTO system as well as rear engine PTO provision. Rear engine PTO shall have standard gears.	Deleted.
8	Attachment J: Specifications OTR 90K Truck Tractor Item 2	GCWR: Minimum 90,000 lbs. GVWR: 60,000	GCWR: Minimum 90,000 lbs. GVWR: 59,220 Lbs.
9	Attachment J: Specifications On/Off Road 90K Truck Tractor Item 21	Hydraulics: The truck tractor is required to have a transmission PTO driven pump, with in-cab engagement, providing sufficient hydraulic flow and power to operate the trailer, which will normally be a 50-ton rated, drop deck equipment hauling trailer with a 12,000-pound winch. (Most commonly the vendor delivers these truck tractors to Godwin Mfg. in Dunn NC and works with them on this up-fit.)	Hydraulics: The truck tractor is required to have a transmission PTO driven pump and a 35-gallon hydraulic tank. Must have in-cab engagement, providing sufficient hydraulic flow and power to operate the trailer, which will normally be a 50-ton rated, drop deck equipment hauling trailer with a 12,000-pound winch. (Most commonly the vendor delivers these truck tractors to Godwin Mfg. in Dunn NC and works with them on this up-fit.)
10	Attachment J: Specifications On/Off Road 90K Truck Tractor Item 21a	Complete hydraulic system including pump, filters, pressure relief valve, and metal reservoir.	Complete hydraulic system including pump including a Chelsea or Muncie PTO pump, filters, pressure relief valve, and a 35-gallon metal reservoir.
11	Attachment J: Specifications On/Off Road 90K Truck Tractor Item 21b		Added "b", PTO Pump to deliver a minimum of 10 GPM and a maximum of 25 GPM at 2800 to 3000 PSI. Renumbered section.

Modification #	Solicitation Section	Current Solicitation Language	Updated Solicitation Language
12	Attachment J: Specifications Truck Tractor Triaxle 140K GCWR Item 23	Hydraulics: The truck tractor is required to have a transmission PTO driven pump, with in-cab engagement, providing sufficient hydraulic flow and power to operate the trailer, which will normally be a 50-ton rated, drop deck equipment hauling trailer with a 12,000-pound winch. (Most commonly the vendor delivers these truck tractors to Godwin Mfg. in Dunn NC and works with them on this up-fit.)	Hydraulics: The truck tractor is required to have a transmission PTO driven pump and a 35-gallon hydraulic tank. Must have in-cab engagement, providing sufficient hydraulic flow and power to operate the trailer, which will normally be a 50-ton rated, drop deck equipment hauling trailer with a 12,000-pound winch. (Most commonly the vendor delivers these truck tractors to Godwin Mfg. in Dunn NC and works with them on this up-fit.)
13	Attachment J: Specifications Truck Tractor Triaxle 140K GCWR Item 23a	Complete hydraulic system including pump, filters, pressure relief valve, and metal reservoir.	Complete hydraulic system including pump including a Chelsea or Muncie PTO pump, filters, pressure relief valve, and a 35-gallon metal reservoir.
14	Attachment J: Specifications Truck Tractor Triaxle 140K GCWR Item 23b		Added "b", PTO Pump to deliver a minimum of 10 GPM and a maximum of 25 GPM at 2800 to 3000 PSI. Renumbered section.

2. The following are questions received about the Solicitation and the State's response:

Question #	Document Section	Vendor Question	State's Response
1	Attachment A: Pricing Workbook	Bid Item #19.1 & 19.2: There are two transmission options listed in this spec and it seems one needs to be part of the standard pricing (automatic) and the other (automated manual) should be a separate line item option on the Pricing Workbook. Please advise.	See Section 1, Modification #3 Attachment A: Pricing Workbook, 35,000 LB. GVW Cab and Chassis, columns added to support quotes for both Automatic and Automated Manual Transmissions.

Vendor Aria Contracting Sales & Services, Inc.
 evpCustomer Number: 410606

Question #	Document Section	Vendor Question	State's Response
2	Attachment J: Specifications 35K GVWR Item 12i Engine Requirements	Bid Item 12i: REPTO is requested here to be part of the base price, but on the tandem REPTO is a separate line-item option on the Pricing Workbook. For the single axle, should REPTO be a separate line item option, too?	See Section 1, Modification #5 12i was deleted from Attachment J: Specifications 35K GVWR. Option for REPTO was added as Item 4 under 35,000 GVW Cab and Chassis, Attachment A: Pricing Workbook
3	Attachment J: Specifications 35K GVWR Item 19.2 Automatic Transmission	Would Allison 3000RDS transmission be acceptable as well in lieu of 3500RDS?	No.
4	Attachment J: Specifications 35K GVWR Item 25 Front Bumper	Would 20" minimum frame extension be acceptable to accommodate FEPTO provision?	No
5	Attachment J: Specifications Tandem Axel 50-70 GVWR Item 33 Mirrors	Only a single RH fender mirror is noted here. The 35,000 GVWR dumps asks for fender mirrors on both sides. Do we need to have the LH driver side fender mirror on this spec, too?	No.
6	Attachment J: Specifications OTR 90K Truck Tractor Item 2 GCWR	Is 59,220# GVWR acceptable? To get to 60,000# we would need to use a 12R22.5 tire and section 23A specifically asks for 11R22.5 which is what brings the rating down to 59,220#	See Section 1, Modification #8 Yes, 59,220 LB. GVWR is acceptable.
7	Attachment J: Specifications OTR 90K Truck Tractor Item 10e Batteries	Bid Item #10E: Jump posts under hood near starter acceptable? (OEM recommends this location.)	No.
8	Attachment J: Specifications OTR 90K Truck Tractor Item 35b Fifth Wheel	Is it acceptable to have a 5th wheel track 18-inches forward and 6-inches to the rear? (24 inch slider in total.)	No.

Question #	Document Section	Vendor Question	State's Response
19	Attachment J: Specifications On/Off Road 90K Truck Tractor Item 10e Batteries	Bid Item #10E: Jump posts under hood near starter acceptable? (OEM recommends this location	No.
10	Attachment J: Specifications On/Off Road 90K Truck Tractor Item 21 Hydraulics	Bid spec says complete hydraulic system but does not mention the actual PTO. (It does mention the pump, filters, pressure relief valve, and metal reservoir.) Can you confirm we are also supposed to supply the actual PTO and what brand/model PTO is preferred, if any?	See Section 1, Modification #10 NCDOT should receive the truck with complete hydraulics already installed. NCDOT will not be providing a PTO. The vendor/bidder can sub this operation out or complete this upfit at their location. Chelsea and Muncie are the approved brands for PTO pumps.
11	Attachment J: Specifications On/Off Road 90K Truck Tractor Item 36b Fifth Wheel	Is it acceptable to have a 5th wheel track 18-inches forward and 6-inches to the rear? (24 inch slider in total.)	No.
12	Attachment J: Specifications On/Off Road 90K Truck Tractor Item 21a Hydraulics	What are the GPM and PSI requirements of the trailer? Need this info for proper hydraulic kit setup.	See Section 1, Modification #11 10 GPM minimum and 25 GPM maximum and 2800 to 3000 PSI
13	Attachment J: Specifications Truck Tractor Triaxle 140K GCWR Item 11e	Bid Item #11E: Jump posts under hood near starter acceptable? (OEM recommends this location.)	Yes.
14	Attachment J: Specifications Truck Tractor Triaxle 140K GCWR Item 23	Bid spec says complete hydraulic system but does not mention the actual PTO. (It does mention the pump, filters, pressure relief valve, and metal reservoir.) Can you confirm we are also supposed to supply the actual PTO and what brand/model PTO is preferred, if any?	See Section 1, Modification #13 NCDOT should receive the truck with a complete hydraulics already installed. NCDOT will not be providing a PTO. The vendor/bidder can sub this operation out or complete this upfit at their location. Chelsea and Muncie are the approved brands for PTO pumps.

Question #	Document Section	Vendor Question	State's Response
15	Attachment J: Specifications Truck Tractor Triaxle 140K GCWR Item 23	What are the GPM and PSI requirements of the trailer? Need this info for proper hydraulic kit setup.	See Section 1, Modification #14 10 GPM minimum and 25 GPM maximum and 2800 to 3000 PSI
16	Attachment J: Specifications Truck Tractor Triaxle 140K GCWR Item 23	What is the minimum size hydraulic tank requirement?	See Section 1, Modification #13 35 Gallon
17	Attachment A: Pricing Workbook – Optional Pricing	We need more specifics here to be able to provide prices for this. Changing things like speed or horsepower could be minor or major costs depending on what exactly is asked for, because depending on the request there may be hardware changes needed in addition to shop labor or programming time. For instance, sometimes changing speed is just programming changes but other times it could involve changing the rear axle to get a different rear ratio which is a much larger expense. Is the intent of this section to identify what our shop labor rate is for programming changes?	See Section 1, Modification #6 Vendors are requested to provide pricing for upgrading/tuning the maximum truck speed to 75 miles per hour.
18	IFB Section 2.6 Bid Questions	In the main Invitation for Bid document, section 2.6 Bid Questions, there is a note that says "See Attachment I to review questions asked on previous solicitations." I could not find Attachment I anywhere in the documents posted in the sourcing tool. Can you please advise where to find this?	"Attachment I: Bid Questions" was deleted from the final draft and is not included in this posted IFB. Please disregard.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME

Vendor Ania Contracting Sales & Services Inc.
evp Customer Number: 410606

North Carolina STC Addendum
Version Date: 5/2024
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Vendor Name:	Aria Contracting Sales & Services, Inc.
Authorized Signature:	
Name & Title:	Kristen Homan, Vice President
Date:	February 25, 2025

Please Note that by my signatures below, Aria Contracting Sales & Services, Inc. is acknowledging Addendum #1 dated 02.20.2025



Kristen Homan, Vice President

Addendum # 2 dated 02.24.2025



Kristen Homan, Vice President

Addendum # 3 dated 02.24.2025



Kristen Homan, Vice President

Vendor: Aria Contracting Sales & Services, Inc.

Truck, Cab & Chassis, Diesel Engine Powered, 35,000 GVWR

General: NCDOT will typically use this chassis in 3 applications. First application will be used as a dump truck. It will be hauling different types of construction material such as rock, dirt, sand, as well as pulling trailers to haul construction equipment such as compact excavators and track loaders to do smaller road maintenance projects. The Second application will be used as a snow plow truck which accommodate a 10' snow plow as well as a 5 Cubic Yard in-body salt spreader for treating Highways as well as secondary roads with salt and brine. The Third application will accommodate 10', 12', and 16' Flat Beds. These beds will be either stationary beds or a dump style beds and will carry material such as mulch and dirt. This specification is intended to describe a straight truck with, conventional single cab and crew cab. The warranty shall also include coverage of these units in typical snow removal operation.

Line	Requested	Offered
1	Chassis with conventional cab and crew cab.	
a	Manufacturer	International
b	Model	HV507
c	Year Model	2026
2	GVW: Shall be a minimum rating of 35,000 lbs.	
a	GVWR	36,220 lbs.

b	GCWR	80,000 lbs.
c	Weight of cab & chassis including lubricant and fuel (full) on front axle for conventional cab.	8,167 lbs.
d	Weight of cab & chassis including lubricant and fuel (full) on rear axle for conventional cab.	4,697 lbs.
e	Weight of cab & chassis including lubricant and fuel (full) on front axle for crew cab.	9,126 lbs.
f	Weight of cab & chassis including lubricant and fuel (full) on rear axle for crew cab.	5,501 lbs.
3 Wheelbase For Dump Truck Applications		
a	Approximately 188-inch wheelbase for conventional cab.	187 inches
b	Approximately 200-inch wheelbase for crew cab.	187 inches
4.1 Cab-to-Axle (C.A.) Dimension For Dump Truck Applications		
a	C.A. to be 111 inches ± 1 inch.	112 inches
b	Left (driver’s side) outside frame rail to have enough clear space between the back of the cab and the rear axle to accommodate a hydraulic reservoir and a valve box that collectively measures 56” L including the mounting brackets.	Clear frame 82" est rail left side: inches
c	Right (passenger side) outside frame rail to have enough clear space between the back of the cab and the rear axle to accommodate a toolbox that measures 40” L including the mounting brackets.	Clear frame 80" est rail right side: inches
4.2 Cab to Axle (CA) Dimension For Various Lengths of Flat beds		
a	Please see Attachment A of the Pricing Workbook	
5 Frame		
a	Minimum resisting bending moment (RBM) of 1,500,000 inch/lbs. per frame rail.	3,000,000 in/lbs.
b	Minimum yield strength of 120,000 PSI rated.	120,000 PSI

		120,000 lbs.	
c	Frame rails should be clean from end of cab to rear of frame in both sides of the rails.		Yes
			No
6 Springs and Suspension			
a	Front and rear suspension shall meet the requirements of GVWR.		Yes
			No
b	Rear springs must have auxiliary leaf or leaves to absorb shock of dump truck loading and to provide additional stability.		Yes
			No
c	Rear suspension should be a minimum of 23,000 lbs.	23,500 lbs.	
d	Front spring Capacity.	14,000 lbs.	
		lbs.	
e	Rear spring Capacity.	23,500 lbs.	
7 Front Axle			
a	Front axle with minimum 13,300 lbs. rated capacity.	lbs.	
	14,500		
b	Set forward axle with Shock absorbers.		Yes
			No
c	Wheel bearings oil bath type with synthetic lubricant.		Yes
			No
8 Rear Axle			
a	Single speed rear axle with minimum 23,000 lbs. rated capacity.	23,000 lbs.	
b	Rear axle ratio to match engine RPM, and tire size to achieve 68 MPH $\pm$ 2 MPH @ maximum GVW on level ground.	5.63 Axle ratio	
		72.1 Speed (MPH) @	
		36,220 Maximum GVW	
c	Differential shall be filled with synthetic lubricant.		Yes
			No

	d	Automatic traction control device is required.	Yes
			No
			NA Describe
9 Brakes			
	a	Full air disc brakes.	Yes
			No
	b	Desiccant type air dryer, Midland Pure Air Plus or Pre-approved equal.	Yes
			No
	c	Minimum 18.5 CFM compressor.	Yes
			No
	d	Dust shield required on all axles.	Yes
			No
	e	Brakes shall conform to FMVSS-121 at time of production.	Yes
			No
	f	Shall have emergency parking brake.	Yes
			No
	g	Full trailer air package required with glad hands installed at end of chassis rails.	Yes
			No
	h	The brake air tank shall have a manual drain valve With a lanyard attached to the chassis rail.	Yes
			No
	i	ABS system shall be manufacturer's standard Bendix or Meritor and must be compatible with all manufacturers of trailer brakes.	Yes
			No
	j	Full vehicle wheel control system with automatic traction control system.	Yes
			No
10 Batteries			
	a	Battery box and battery mounts designed for on/off road application.	Yes
			No
	b	Minimum of 1800 CCA.	2850 CCA
	c	Hold down clamps and terminals treated with corrosion	Yes

	resistant.	No
d	Batteries and cables should comply with TMC105 (Technology Maintenance Council).	Yes
		No
e	Two (2) remote jump start terminals, battery side mounted with color coded covers.	Yes
		No
f	Shall have a master electrical disconnect switch (non-keyed) on battery side of truck, protected from road splash and accessible from the ground or be mounted in the cab.	Yes
		No
g	Manufacturer's standard battery box cover.	Yes
		No
11 Alternator		
a	Minimum 130 amps	160 Amps
b	Alternator Make	Leece-Neville Make
c	Alternator Model	AVI160P2013 Model
12 Engine Requirements		
a	Full diesel, electronic engine, with inline minimum six (6) cylinders.	Yes
		No
b	Minimum rated torque 860 lbs./ft and minimum 300HP.	Yes
		No
c	110 V thermostatically controlled engine block heater properly sized for the engine proposed with receptacle mounted under driver side door.	Yes
		No
d	Shall have engine air intake arranged to eliminate the induction of blowing snow during snow removal operations.	Yes
		No
e	Shall be SAE 1349 rated.	Yes
		No
f	A copy of the most recent EPA certificate for 2013 Emission is requested with this bid.	Yes
		No
g	Shall have thermostatically controlled fuel heater.	Yes
		No

h	Shall have on board primer for the fuel system.	Yes
		No
i	Vendor shall provide and install the plate adapter to harmonic balancer for the front mounted pump application	Yes
		No
j	Shall be compatible for use with B-20 Bio-Diesel fuel.	Yes
		No
k	Shall have a fuel water separator.	Yes
		No
l	Engine parameters set to allow infinite engine idle time	Yes
		No
m	Shall have a fuel filter.	Yes
		No
n	Shall have a full flow, spin on type engine oil filter.	Yes
		No
o	Engine Manufacturer.	Cummins MFG.
p	Engine Model.	L9 300 Model
q	Number of Cylinders.	Six (6) # of Cylinders
r	Engine displacement Minimum HP to be 300hp	300 HP Minimum HP
s	Net HP _____ @ _____ RPM _____	300 Net HP @
		2200 RPM
t	Peak torque _____ lbs./ft @ _____ RPM	860 Peak torque lbs./ft @
		1200 RPM
u	Shall have a corrosion resistant oil pan.	Yes
		No

13 Engine Performance: The following performance is requested when full loaded as determined by SAE 2188. Rated horsepower and torque shall be sufficient so that when coupled with the proposed transmission and rear axles, the unit will meet the performance criteria listed below:	
a Shall have 20% startability at maximum GVWR to start and climb 20% grade (startability @ clutch engagement).	No
b Shall have a minimum 2% gradeability at maximum GVWR @ 68 MPH.	No
c Shall maintain a minimum top speed of 68 MPH (± 2 MPH) @ maximum GVW on level ground.	No
d Vendor shall include truck performance analysis sheets indicating the truck performance criteria as described above.	No
14 Exhaust	
a Shall have a vertical stack with horizontal muffler not to extend above cab roof and not to interfere with mounted dump body. A turnout exhaust stack is required (rain cap not acceptable).	Yes No
15 Fuel Tank	
a Single, aluminum fuel tank.	Yes No
b Minimum 70 gallons capacity.	Yes No
c Mounted on the left side preferred.	Yes No
d Furnish a step type with slip resistant step.	Yes No
16 Air Cleaner	
a Dry type, with rated air flow for engine offered with filtration efficiency of 99.5% for all engine speeds.	Yes No
b Direct reading air restriction indicator mounted in cab.	Yes No
17 Cooling System	

	a	Shall conform to SAE J1393, ASTM standards and Manufacturer recommendations for on-off road application.	Yes
			No
	b	Shall have extended life coolant	Yes
			No
18	Gauges Shall include manufacturer’s standard DID (Drivers Information Display) gauge package, including the following gauges as a minimum:		
	a	Oil Pressure	Yes
	b	Temperature	Yes
			No
	c	Voltmeter	Yes
			No
	d	Fuel	Yes
			No
	e	Pressure	Yes
			No
	f	Tachometer	Yes
			No
	g	Engine Hour meter	Yes
			No
	h	Audible and visual alarm for high water temperature	Yes
			No
	i	Audible and visual alarm for oil pressure	Yes
			No
	j	Audible and visual alarm for low air pressure	Yes
			No
19.1 Automated Manual Transmission			
	a	Minimum of 12 speeds	Yes
			No
	b	Transmission manufacturer:	International
	c	Transmission model:	T14

d	Torque capacity:	1450
e	Transmission control shall be push pad, dash mounted shifter.	Yes
	Column mounted stock shifter	No
f	Shall be equipped with oil level sensor.	Yes
		No
g	Transmission shall be equipped with auto-neutral feature to be activated when parking brake is applied to command the transmission to neutral, regardless of range selection.	Yes
		No
h	Furnished with synthetic transmission lubricant.	Yes
		No
i	If electronically controlled, the transmission shall not create RF interference with user installed 2-way radios.	Yes
		No
j	Transmission electronic control module shall be located in a position that protects it from weather and road splash to minimize exposure to corrosive elements.	Yes
		No
19.2 Automatic Transmission		
a	Fully automatic, six (6) speed.	Yes
		No
b	Allison World Transmission 3500 RDS with wide Ration, for on/off road.	Yes
		No
c	Transmission manufacturer:	Allison
d	Transmission model:	3500 RDS
e	Torque capacity:	1,250 lbs-ft
f	Transmission control shall be push pad, dash mounted shifter.	Yes
		No
g	Shall be equipped with oil level sensor.	Yes
		No
h	Transmission shall be equipped with auto-neutral feature to be activated when parking brake is applied to command the transmission to neutral, regardless of range selection.	Yes
		No

i	Furnished with synthetic transmission lubricant.	Yes
		No
j	If electronically controlled, the transmission shall not create RF interference with user installed 2-way radios.	Yes
		No
k	Transmission electronic control module shall be located in a position that protects it from weather and road splash to minimize exposure to corrosive elements.	Yes
		No
20 Windshield Wipers		
a	Electric, dual wipers.	Yes
		No
b	Intermittent action.	Yes
		No
c	Dual washers	Yes
		No
21 Wheel Rims		
a	Aluminum disc type wheels, 10 hole.	Yes
		No
b	Hub piloted.	Yes
		No
c	Front and rear rims 8.25 inches wide	Yes
		No
d	Nylon Gasket to prevent corrosion to hub	Yes
		No
e	Rims shall conform to Tire & Rim Association guidelines.	Yes
		No
f	Wheels shall have Dura-Bright polish or Equivalent to aid in corrosion resistance.	Yes
		No
g	Rim Manufacturer:	Accuride
22 Front Tires		
a	11R22.5 steel belted radial.	Yes
		No
b	Minimum load range "H".	Yes

		No
c	Premium highway treads.	Yes
		No
d	Good Year, Michelin, Continental, Bridgestone, tires are approved. Any additional tire brands must be approved by the Procurement Entity.	Yes
		No
e	Tire Manufacturer.	Bridgestone
f	Tire Model.	Ecopia R268
23 Rear Tires		
a	11R22.5 steel belted radial.	Yes
		No
b	Minimum load range "H".	Yes
		No
c	Premium highway treads.	Yes
		No
d	Good Year, Michelin, Continental, Bridgestone, tires are approved. Any additional tire brands must be approved by the Procurement Entity.	Yes
		No
e	Tire Manufacturer.	Bridgestone
f	Tire Model.	Ecopia R268
24 Lighting		
a	Factory installed daytime running lights.	Yes
		No
b	The standard headlight switch shall operate all lights in the normal mode at full voltage.	Yes
		No
c	Front and rear Class "A" directional signals.	Yes
		No
d	Minimum, five (5) cab marker lights.	Yes
		No
e	Hazard Flashers	Yes

		No
f	All lighting to be of the type approved by the N.C. Division of Motor Vehicles.	Yes
		No
g	Must have a Pre-Trip exterior light inspection switch: Engaging light inspection switch will sequentially flash all exterior vehicle lights, except back up lights while operator completes safety inspection.	Yes
		No
25 Front Bumper		
a	Delete front bumper.	Yes
		No
b	Front frame rail shall be full height, no tapered frame.	Yes
		No
c	Frame extension shall be a minimum of 24 inches to accommodate the front pump provision (FEPTO) for Snow Plowing Trucks	27" Yes
		No
26 Electrical Wiring		
a	All wiring from front to rear of chassis in loom or molded plastic or approved equal.	Yes
		No
b	Wiring Should be attached to inner side rails with rubber covered fasteners at approx. 20" intervals.	Yes
		No
c	Wiring, including a weatherproof connector shall be provided at the hood-hinge area for connection of snow plow lights.	Yes
		No
d	The connector shall include parking light and turn Signal functions.	Yes
		No
e	A body builder harness, including a weatherproof connector shall be provided at the back of the cab.	Yes
		No
f	Equiped with factory installed modem for GPS?	Yes
		No
27	Auxiliary Power Switches: Shall have six (6) factory installed, dash mounted Auxiliary power switches wired for the following functions:	

	a	Snowplow light selector switch to allow independent selection of the chassis headlights or the snowplow lights.	Yes	No
	b	Strobe light switch, illuminated, on/off type, battery source, minimum 20 AMP.	Yes	No
	c	Spreader light switch, illuminated, on/off, ignition source minimum 20 AMP.	Yes	No
	d	Two (2) illuminated switch, on/off type, ignition source, minimum 20 AMP for future use.	Yes	No
	e	One (1) illuminated switch, on/off type, battery source, minimum 20 AMP for future use.	Yes	No
28	Cab: Cab should be a single or crew cab as per “Furnish and Deliver”. Vendor may be required to demonstrate the cab offered during the evaluation process.			
	a	Shall have factory installed air-conditioning.	Yes	No
	b	Shall have electronic cruise control.	Yes	No
	c	Shall have exterior and interior grab handle handholds for all doors including crew cab.	Yes	No
	d	Shall have steps for high cab applications for both Driver, and passenger side front and rear (for crew cab).	Yes	No
	e	First step from ground and succeeding step spacing not to exceed twenty (20) inches.	Yes	No
	f	Shall have tinted safety glass all around including Windshield.	Yes	No
	g	Driver and passenger seats shall be air ride, adjustable up, down, forward, back and tilt. (National Cush-n-Air or equal).	Yes	No
	h	Both seats shall be high-back each with lap and shoulder seatbelts, and for crew cab when applicable. Shoulder straps shall be high visibility orange.	Yes	No
	i	Shall have 12V power supply outlet.	Yes	No

j	Shall have fresh air heater and defroster.	Yes
		No
k	Shall have power door locks, and power windows, right and left padded sun visor, driver/passenger side arm rest, map pocket and floor mats.	Yes
		No
l	Shall have AM/FM/CD/blue tooth radio, shielded to eliminate interference from 2-way radio with Bluetooth.	Yes
		No
m	Shall have a fixed grill with radiator guard and tilt hood.	Yes
		No
n	Shall have a tilt and telescoping steering wheel.	Yes
		No
o	Electronic speedometer with auxiliary in-cab tap Point to interface with current electric spreader controls with pulse width modulated signal and have an additional sensor/DC817-008.	Yes
		No
p	Cab shall have no-glare interior.	Yes
		No
q	Cab must be ergonomically designed to accommodate 95% percentile of drivers, ranging from 4' 8", 110 lb. driver to 6' 5", 375 lb. driver.	Yes
		No
r	For crew cab, a full bench rear seat with three (3) laps and two (2) shoulder belts. Shoulder straps shall be high visibility orange.	Yes
		No
29 Mirrors		
a	Dual left and right west coast or approved equal.	Yes
		No
b	Approximately 7-inch X 17-inch heads.	7.5" x 14" Size
c	Both west coast mirrors shall be heated.	Yes
		No
d	Left side mirror should have two (2) convex mirrors, one each mounted on upper and lower arms of mirror bracket.	Yes
		No
e	Left and Right-side mirrors shall be motorized.	Yes

		No
f	Right side mirror shall have one (1) convex mirror mounted on lower mirror arm.	Yes
		No
g	All three (3) convex mirrors shall be ball adjustable.	Yes
		No
h	Shall have fender mounted (left and right side) 8-inch convex mirrors.	Yes
		No
i	Overall width, outside mirror to outside mirror should not exceed 116 inches.	Yes
		No
30 Horns		
a	Dual, electric and air horn is required, approved by SAE and industry standard and mounted under the hood.	Yes
		No
31 Power Steering		
a	Power steering, designed and intended for the tires, axles and GVWR offered.	Yes
		No
32 Fire Extinguisher		
a	An ABC rechargeable type fire extinguisher with 5BC UL rating shall be provided with each unit. Mounting will be determined at the Pilot Model inspection.	Yes
		No
33 Safety		
a	Vehicles shall include the necessary safety features to meet the applicable requirements of the Federal Vehicles Safety Standards and shall conform with Motor Carrier Safety Regulations # 399.203.	Yes
		No
b	The vehicle to be furnished with all applicable equipment and accessories as required by the Occupational Safety and Health Acts of both the United States and the State of North Carolina, and shall comply with all regulations, rules, standards and interpretation's lawfully adopted there under.	Yes
		No

c	Vehicle Cab noise at ear level of the seated operator, with windows open shall not exceed OSHA REQUIREMENTS IN 29 CFR 1910.95 for 8-h our exposure when measured on the "A" scale of a standard sound meter. Ear plugs or other personal protective devices are not acceptable to comply with this requirement.	Yes
		No
d	OSHA requirements on the opening date of the IFB shall apply, regardless of the date of Equipment manufactured.	Yes
		No
34 Federal Inspection Sticker		
a	All units shall be delivered with a completed 12 month Federal Highway Safety Inspection sticker properly affixed.	Yes
		No

Truck, Cab & Chassis, Diesel Engine Powered, Tandem Axel 50,000-70,000 GVWR

General: NCDOT will typically use these trucks in a variety of operations. First operation will be used as a dump truck that hauls large amounts of material such as rock, sand, gravel, and dirt. It will at times be coupled with a trailer to move construction equipment such as back hoes and loaders. The second operation will be snow removal operations. In this scenario it will be equipped with a 12' snow plow and have either a 10 Cubic yard or 15 Cubic Yard salt spreader in the dump body for treating Highways as well as secondary roads. It may also have a brine applicator and or brine trailer attached for snow fighting as well. This specification is intended to describe a straight truck with, conventional single cab and crew cab, plowing snow and other similar on/off road applications. The warranty shall also include coverage of these units in typical snow removal operation.

Line	Requested	Offered
1	Chassis with conventional cab for heavy-duty on-off road service, typically to be used as a dump truck in snow removal, road construction and maintenance operations.	
a	Manufacturer	International
b	Model	HV515 SFA
c	Year Model	2026
2	GVWR: Shall be a minimum rating of 58,000 lbs.	
a	Shall be a minimum of 58,000 lbs.	64,000 lbs.
b	Chassis weight on front axle	10,088 lbs.
c	Chassis weight on rear tandem	9,249 lbs.
d	Weight of cab & chassis including lubricant and full load of fuel.	22,529 lbs.
3	Axle Spacing	

	a	Center of front axle to center of rearmost axle of tandem, shall be a minimum of 21 feet to meet NC Bridge Formula definitions.	22.5'/270" Ft/Ins.	
4		Usable Cab to Tandem (CT)- Usable CT is defined as clear usable space outside of chassis rails from behind cab, DPF or exhaust, whichever extends the furthest towards the rear, to the center of the tandem. Under-slung air tanks or other components are not to protrude outside of the chassis rails in the defined area.		
	a	Usable CT requested to be 150", ±2". (Tandem).	148 inches	
5		Wheelbase		
	a	Wheelbase shall be appropriate for the axle and CT dimensions required.	20'/240" Ft/Ins.	
6		Frame		
	a	Minimum resisting bending moment of 2,590,000 inch/lbs. per frame rail.	3,000,000 In/Lbs	
	b	Minimum 21.60 section modulus.	21.6 SM	
	c	Minimum 120,000 PSI rated.	120,000 PSI	
	d	Full height frame, approximately 10 inches in height, and minimum 20 inches in length is to protrude beyond grill/radiator and be of sufficient strength for plowing operations.	Yes	
			No	
	e	Front frame extensions are not necessary so long as the frame protrudes beyond the grill/radiator as described in "d" above. If extensions are supplied, they must be integral and not be bolted/added on. This is for the Hydraulic Pump that will be mounted with bracket between chassis rails.	Yes	
			No	
7		Springs and Suspension		
	a	Front and rear suspension shall meet or exceed the requirements for GVWR.	Yes	
			No	
	b	Rear suspension to be a Hendrickson Haulmax, or equivalent, with bronze center bushings or (mRide 40) will be acceptable	Yes	

	suspensions.	No
c	Rear suspension offered.	Hendrickson RT-463
d	Front spring capacity.	18,000 lbs.
e	Rear spring capacity.	46,000 lbs.
8 Front Axle		
a	Front axle with minimum 18,000 lbs. rated capacity.	18,000 lbs.
b	Set forward axle with Shock absorbers.	Yes
		No
9 Rear Axle: Eaton DS402P, Meritor RT-40-145P, Mack S402R with automatic power divider or approved equal is acceptable as long as axles meet the following:		
a	Rear tandem shall be a minimum 40,000 lbs. rated capacity.	46,000 lbs.
b	Heavy duty rear axle housing with iron rear axle carrier.	Yes
		No
c	Single speed tandem (single gear ratio).	Yes
		No
d	Spacing from center to center of the axles of the tandem to be minimum 54 inches.	54 inches
e	Spacing of the axles of the tandem shall provide enough clearance to allow for snow chains to be run on both axles with the tires specified in this bid.	Yes
		No
f	Axle ratio provided is to be properly matched for engine RPM, tire size and transmission offered to maintain 68 MPH ± 2 MPH at a maximum GVW on level ground.	Yes
		No
g	Axle ratio	3.73
h	Differentials filled with synthetic lubricant.	Yes
		No

10

Lift Axle(s): When required under "Furnish and Deliver", the cab and chassis shall be equipped with additional lift axle(s) that shall meet the following:

a Shall be installed by chassis manufacturer

Yes

No

b 255/70-22.5 hub piloted Aluminum disk, with "H" tire load range

Yes

No

c Tire speed rating minimum of 75 MPH

Yes

No

d Steerable

Yes

No

e Air activation and regulation from cab.

Yes

No

f Automatic lift in reverse

Yes

No

g Rated for up to 13,200 lbs.

13,200 lbs.

h Lift axle manufacturer

Watson & Chalin

i Lift axle model.

AL13

10A Chassis with one (1) lift axle: Usable CT requested to be 174", ± 2 ". (Tri-Axle).

a GVWR shall be a minimum of 64,000 lbs.

72,000 lbs.

b Chassis weight on front axle

10,302 lbs.

c Chassis weight on rear tandem

9,854 lbs.

d Weight of cab & chassis including lubricant and full load of fuel.

23,348 lbs.

e Axle spacing from center of chassis front axle to center of rearmost axle of tandem, shall be a minimum of 23 feet to meet NC Bridge formula definitions.

23'/276" Ft/Ins.

f Spacing from center line of lift axle to center line of rear axle of the tandem to be a minimum of 103 inches.

105" Ins

10B Chassis with two (2) lift axles: Usable CT requested to be 198", ±2". (Quad).		
a	GVWR shall be a minimum of 70,000 lbs.	80,000 lbs.
b	Chassis weight on front axle	10,516 lbs.
c	Chassis weight on rear tandem	10,459 lbs.
d	Weight of cab & chassis including lubricant and full load of fuel.	24,167 lbs.
e	Axle spacing from center of chassis front axle to center of rearmost axle of tandem, shall be a minimum of 25 feet to meet NC Bridge formula definitions.	25'/300" Ft/Ins.
f	Spacing from center line of lift axle to center line of rear axle of the tandem to be a minimum of 154 inches.	154 inches
11 Brakes		
a	Full air disc brakes.	Yes
		No
b	Low air warning buzzer and light	Yes
		No
c	Non asbestos pads	Yes
		No
d	Desiccant type air dryer, Midland Pure Air Plus or pre-approved equal.	Yes
		No
e	Minimum 18.5 CFM compressor.	18.7 CFM
f	Parking brake on front and rear axle of tandem	Yes
		No
g	Dust shield on all axles.	Yes
		No
h	Brakes shall conform to FMVSS in effect at time of production.	Yes
		No
i	Full trailer air package required with glad hands installed at end of chassis rails.	Yes
		No

j	The brake air tank shall have a manual drain valve with a lanyard attached to the chassis rail.	Yes
		No
k	ABS system shall be manufacturer's standard Bendix or Meritor and must be compatible with all manufacturers of trailer brakes.	Yes
		No
l	ABS Manufacturer	Bendix
m	ABS Model	ADB22X-LT
n	Air brake ABS, full vehicle wheel control system with Automatic Traction Control.	Yes
		No
12 Batteries		
a	Battery box and battery mounts designed for on/off road application.	Yes
		No
b	Minimum of 1950 CCA at zero (0) degrees F.	2850 CCA
c	Hold down clamps and terminals treated with corrosion resistant.	Yes
		No
d	Batteries and cables should comply with TMC105	Yes
		No
e	Two (2) remote jump start terminals, battery side mounted with color coded covers.	Yes
		No
f	Shall have a master electrical disconnect switch (non-keyed) on battery side of truck, protected from road splash and accessible from the ground or be mounted in the cab.	Yes
		No
g	Manufacturer's standard battery box cover.	Yes
		No
13 Alternator		
a	Delco 24SI Quadra mount or approved equal.	Yes
		No

14	b	Minimum 145 amps	160 Amps
	c	Alternator Make	Leece-Neville Make
	d	Alternator Model	AVI160P2013 Model
	Engine Performance: The following performance is requested when full loaded as determined by SAE J688. Rated horsepower and torque shall be sufficient so that when coupled with the proposed transmission and rear axles, the unit will meet the performance criteria listed below:		
	a	Full diesel, electronic engine, with inline minimum six (6) cylinders.	Yes
			No
	b	Shall be SAE J1349 rated.	Yes
			No
	c	Minimum rated torque 1550 lbs./ft	Yes
			No
	d	Minimum engine HP shall be 395hp/11L.	Yes
			No
	e	Engine shall have the ability to be upgraded by software electronically to increase horsepower to a minimum of 425hp. _____ HP.	Yes
			No
	f	Shall have 20% startability at maximum GVWR to start and climb 20% grade (startability @ clutch engagement)	Yes
			No
	g	Shall have a minimum 2% gradeability at maximum GVWR at 68 MPH.	Yes
			No
	h	Shall maintain a minimum top speed of 68 MPH (± 2 MPH) at maximum GVW on level ground.	Yes
			No
	i	Vendor shall include truck performance analysis sheet(s) indicating the truck performance criteria as described above.	Yes
			No
	j	Engine Manufacturer.	International MFG.
	k	Engine Model.	S13 Model

l	Number of Cylinders.	Six (6) # of Cylinders
m	Engine displacement	430 Net HP @
n	Net HP	1800 RPM
o	Peak torque _____lbs./ft @ _____RPM	1550 Peak torque lbs./ft @ 900 RPM
14A Engine Requirements Continued		
a	Emissions control system shall meet Federal and NC state Emission regulations at time of delivery.	Yes
		No
b	A copy of the most recent EPA certificate for current model year Emissions is requested with this bid.	Yes
		No
c	110 V thermostatically controlled engine block heater properly sized for the engine proposed with weatherproof receptacle mounted under left door (Driver side).	Yes
		No
d	Shall have engine air intake arranged to eliminate the induction of blowing snow during snow removal operations.	Yes
		No
e	Shall have thermostatically controlled fuel heater.	Yes
		No
f	Shall have on board primer for the fuel system.	Yes
		No
g	Shall have all provisions for front engine crankshaft driven hydraulic PTO system (FEPTO).	Yes
		No
h	Option 1: (Furnish and Delivery) Shall have a provision in place to offer a REPTO (Rear Engine Power Take Off) upon request.	Yes
		No
i	Vendor shall provide and install the plate adapter to harmonic balancer for the front mounted pump applications.	Yes
		No
j	Shall be compatible for use with B-20 Bio-Diesel fuel.	Yes

		No
k	Shall have a fuel water separator.☐	Yes
		No
l	Shall have full flow, spin on type engine oil filter.	Yes
		No
m	Engine parameters set to allow infinite engine idle time.	Yes
		No
n	Must have corrosion resistant oil pan.	Yes
		No
15 Engine Brake		
a	Shall be a compression type or approved equal, compatible with the engine and transmission furnished.☐	Yes
		No
b	Engine brake Manufacturer	International
c	Engine brake Model	S13
16 Exhaust		
a	Shall be a vertical stack with horizontal muffler not to extend above cab roof and not to interfere with dump body installation. A turnout exhaust stack is required (rain cap not acceptable).☐	Yes
		No
17 Fuel Tank		
a	Single fuel tank, minimum 80 gallons	100 Gallons
b	Fuel tank to be aluminum, aluminized-steel not acceptable.	Yes
		No
c	Shall conform to all applicable SAE Standards.	Yes
		No
d	Request left side mounted	Yes
		No
18 Air Cleaner		
a	Dry type, with rated air flow for engine offered with filtration efficiency of 99.5% for all engine speeds.	Yes
		No

	b	In cab direct reading air restriction indicator	Yes
			No
19 Cooling System			
	a	Shall conform to SAE J1393, ASTM standards and Manufacturer recommendations for on-off road application.	Yes
			No
	b	Shall have manufacturer's suggested coolant type.	Yes
			No
20 Gauges Shall include manufacturer's standard DID (Drivers Information Display) gauge package, including the following gauges as a minimum:			
	a	Oil Pressure	Yes
			No
	b	Temperature	Yes
			No
	c	Voltmeter	Yes
			No
	d	Fuel	Yes
			No
	e	Air Pressure	Yes
			No
	f	Tachometer	Yes
			No
	g	Hour meter	Yes
			No
	h	Audible and visual alarm for high water temperature	Yes
			No
	i	Audible and visual alarm for oil pressure	Yes
			No
	j	Audible and visual alarm for low air pressure	Yes
			No
21 Automated Manual Transmission (Acceptable transmissions will include Mack, M/drive and Eaton, AMT's).			
	a	Minimum of 14 speeds with two (2) creeper gears	Yes

		No
b	Shall have hill assist equipped.	Yes
		No
c	Transmission control shall be push pad, dash mounted shifter or a column-mounted shifter.	Yes
		No
d	Oil level sensor	Yes
		No
e	Transmission shall be equipped with auto-neutral feature to be activated when parking brake is applied to command the transmission to neutral, regardless of range selection.	Yes
		No
f	Furnished with synthetic transmission lubricant.	Yes
		No
g	Transmission manufacturer:	International
h	Transmission model:	T14
i	Torque capacity:	1850
22 Windshield Wipers		
a	Electric, dual wipers.	Yes
		No
b	Intermittent action.	Yes
		No
c	Dual washers	Yes
		No
23 Wheel Rims		
a	Aluminum disc type wheels, 10 hole.	Yes
		No
b	Hub piloted.	Yes
		No
c	Front rims 9.00 inches wide	Yes
		No

d	Rear rims 8.25 inches wide	Yes
		No
e	Nylon Gasket to prevent corrosion to hub	Yes
		No
f	Rims shall conform to Tire & Rim Association guidelines.	Yes
		No
g	Wheels shall have Dura-Bright polish or Equivalent to aid in corrosion resistance.	Yes
		No
h	Rim Manufacturer:	Alcoa
26 Front Tires		
a	315/80R22.5 steel belted radial.	Yes
		No
b	Load Range L	Yes
		No
c	Minimum speed rating of 75MPH	Yes
		No
d	Premium highway treads.	Yes
		No
e	Tire Manufacturer.	Michelin
If different from above:		
a	Tire Size	
b	Tire Load Range	
c	Tire Model	
27 Rear Tires		
a	11R22.5 steel belted radial.	Yes
		No
b	Load range H	Yes
		No

e	Tire Manufacturer.	Michelin
If different from above:		
a	Tire Size	
b	Tire Load Range	
c	Tire Model	
28 Lighting		
a	Factory installed daytime running lights.	Yes
		No
b	The standard headlight switch shall operate all lights in the normal mode at full voltage.	Yes
		No
c	Front and rear Class “A” directional signals.	Yes
		No
d	Minimum, five (5) cab marker lights.	Yes
		No
e	Hazard Flashers	Yes
		No
f	All lighting to be of the type approved by the N.C. Division of Motor Vehicles.	Yes
		No
g	Pre-Trip exterior light inspection switch: Engaging light inspection switch will sequentially flash all exterior vehicle lights, except back up lights while operator completes safety inspection.	Yes
		No
29 Front Bumper		
a	Delete front bumper.	Yes
		No
30 Electrical Wiring		
a	All wiring from front to rear of chassis in loom or molded plastic or approved equal.	Yes
		No
b	Wiring to be attached to inner side rails with rubber covered	Yes

	fasteners at approx. 20" intervals.	No
c	Wiring, including a weatherproof connector shall be provided at the hood-hinge area for connection of snow plow lights.	Yes
		No
d	The connector shall include parking light and turn Signal functions.	Yes
		No
e	A body builder harness, including a weatherproof connector shall be provided at the back of the cab.	Yes
		No
f	Electronic speedometer with auxiliary in-cab tap point to interface with current electronic spreader controls with pulse width modulated signal.	Yes
		No
g	Equiped with factory installed modem for GPS?	Yes
		No
31	Auxiliary Power Switches: Shall have six (6) factory installed, dash mounted Auxiliary power switches wired for the following functions:	
a	Snowplow light selector switch to allow independent selection of the chassis headlights or the snowplow lights.	Yes
		No
b	Strobe light switch, illuminated, on/off type, battery source, minimum 20 AMP.	Yes
		No
c	Spreader light switch, illuminated, on/off, ignition source minimum 20 AMP.	Yes
		No
d	Two (2) illuminated switch, on/off type, ignition source, minimum 20 AMP for future use.	Yes
		No
e	One (1) illuminated switch, on/off type, battery source, minimum 20 AMP for future use.	Yes
		No
32	Cab: Vendor may be required to demonstrate the cab offered during the evaluation process.	
a	Shall have factory installed air-conditioning.	Yes
		No

b	Air conditioning system shall be supplied complete with protection & diagnostics system to monitor and shut down the A/C compressor in the event of a refrigerant system leak.	Yes
		No
c	Shall have electronic cruise control.	Yes
		No
d	Shall have air ride cab	Yes
		No
e	Shall have exterior and interior grab handle handholds.	Yes
		No
f	Shall have steps for high cab applications for both Driver, and passenger side.	Yes
		No
g	Shall have tinted safety glass all around including Windshield.	Yes
		No
h	Driver and passenger seats shall be air ride, adjustable up, down, forward, back and tilt. (National Cush-n-Air or equal).	Yes
		No
i	Shall have 12V power supply outlet.	Yes
		No
j	Shall have fresh air heater and defroster with single shut-off valve for water line to heater.☐	Yes
		No
k	Shall have power door locks, and power windows, right and left padded sun visor, driver/passenger side arm rest, map pocket and floor mats.☐	Yes
		No
l	Shall have AM/FM/CD/blue tooth radio, shielded to eliminate interference from 2-way radio with Bluetooth.	Yes
		No
m	Shall have a fixed grill with radiator guard and tilt hood.	Yes
		No
n	Shall have a tilt and telescoping steering wheel.	Yes
		No
o	Cab access and function must be ergonomically designed to accommodate 95% percentile of drivers ranging from a 4 Ft. 8	Yes

	In., 110 Lb. driver to a 6 Ft. 5 In., 375 Lb. driver.	No
p	The seat belt webbing at each crew member location shall be a highly visible bright orange color.	Yes
		No
33	Mirrors	
a	Left and right west coast type with approximately 7"x17" heads.	7.5" x 14" Yes
		No
b	Both west coast mirrors heated.	Yes
		No
c	Left side to have two (2) 8" diameter convex mirrors, one each mounted on upper and lower arms of mirror bracket.	Yes
		No
d	Left and Right-side mirrors shall be motorized and heated	Yes
		No
e	Right side mirror shall have one (1) 8" diameter mirror mounted on lower mirror arm.	Yes
		No
f	All three (3) convex mirrors shall be ball adjustable.	Yes
		No
g	Right side, adjustable fender mounted mirror	Yes
		No
34	Horns	
a	Dual, electric and air horn per SAE Standard.	Yes
		No
35	Power Steering	
a	Power steering, designed and intended for the tires, axles and GVWR offered.	Yes
		No
36	Safety	
a	Vehicles shall include the necessary safety features to meet the applicable requirements of the Federal Vehicles Safety Standards and shall conform with Motor Carrier Safety Regulations # 399.203.	Yes
		No

b	The vehicle to be furnished with all applicable equipment and accessories as required by the Occupational Safety and Health Acts of both the United States and the State of North Carolina, and shall comply with all regulations, rules, standards and interpretations lawfully adopted there under.	Yes
		No
c	Vehicle Cab noise at ear level of the seated operator, with windows open shall not exceed OSHA REQUIREMENTS IN 29 CFR 1910.95 for 8-hour exposure when measured on the "A" scale of a standard sound meter. Ear plugs or other personal protective devices are not acceptable to comply with this requirement.	Yes
		No
d	OSHA requirements on the opening date of the IFB shall apply, regardless of the date of Equipment manufactured.	Yes
		No
37 Fire Extinguisher		
a	An ABC rechargeable type fire extinguisher with 5BC UL rating shall be provided with each unit. Mounting will be determined at the Pilot Model inspection.	Yes
		No
38 Federal Inspection Sticker		
a	All units shall be delivered with a completed 12 month Federal Highway Safety Inspection sticker properly affixed.	Yes
		No

Vendor: Aria Contracting Sales & Services, Inc.

Truck Tractor, 90,000 POUND GCWR, Over the Road

General: NCDOT will typically use these units in transporting various bulk items such as parts and supplies from our Central Inventory Warehouse, to the various divisions throughout the state. These units will typically be used on interstate highways only. The tractor will normally mate to a 53 foot, 2-axle, enclosed box trailer with an average hauling weight of 38,000 Lbs.

Line	Requested	Offered
1	Heavy-duty truck tractor intended for on road service only	
a	Manufacturer	International
b	Model	LT625
c	Year Model	2026
2	GCWR: Minimum 90,000 lbs. GVWR: 59,220 Lbs.	
a	GCWR	115,000 lbs.
b	GVWR	59,220 lbs.
c	Chassis weight on front axle	9,290 lbs.
d	Chassis weight on rear tandem	8,183 lbs.
e	Weight of cab & chassis including lubricant and full load of fuel.	18,423 lbs.
3	Cab to Tandem	

a	CT 125" to 130" (measuring from the back of the cab to the center of tandem rear Axle) and it should be appropriate for the Fifth wheel setting and axle spacing.	130 inches
4 Wheelbase		
a	Wheelbase shall be appropriate for the axle and CT dimensions required to achieve the axle load requirements and satisfy the laws of North Carolina, Bridge formula, and the Federal laws.	205" Ft/Ins.
5 Frame		
a	Minimum resisting bending moment of 2,000,000 inch/lbs. per frame rail.	3,000,000 In/Lbs
6 Springs and Suspension		
a	Front and rear suspension shall meet or exceed the requirements for GVWR.	Yes No
b	Rear suspension to be Air ride type suspension	Yes No
c	Front suspension offered	Meritor
d	Rear suspension offered	Hendrickson HAS-460-55
d	Front spring capacity.	14,000 lbs.
e	Rear spring capacity.	46,000 lbs.
7 Front Axle		
a	Front axle with minimum 14,000 lbs. rated capacity.	14,000 lbs.
b	Set back axle with Shock absorbers designed for on road use.	Yes No
c	Wheel bearings oil bath type with synthetic lubricant.	Yes No
8 Rear Axles		
a	Rear tandem shall be a minimum 46,000 lbs. rated capacity.	46,000 lbs.
b	Rear axle make and model	Meritor RT-46-160
c	Single speed tandem (single gear ratio).	Yes

		No
d	Power divider lock with an indicator light visible to the operator or approved equivalent. Must have Automatic Miles Per Hour dis-engagement. Both axles are required to be lockers.	Yes
		No
e	Power divider offered	
	Type	Driver controlled
	Model	RT-46-160
	Manufacturer	Meritor
f	Spacing of the axles of the tandem shall provide enough clearance to allow for snow chains to be run on both axles with the tires specified in this bid.	Yes
		No
g	Axle ratio provided is to be properly matched for engine RPM, tire size and transmission offered to maintain 72 MPH $\pm$ 2 MPH at a maximum GVW on level ground.	Yes
		No
h	Axel Ratio	3.73
i	Differentials filled with synthetic lubricant.	Yes
		No
9 Brakes		
a	Full air disc brakes.	Yes
		No
b	Desiccant type air dryer, Midland Pure Air Plus or pre-approved equal.	Yes
		No
c	Minimum 19.0 CFM air compressor with low air warning buzzer and light.	18.7 CFM
d	Parking brake on front and rear axle of tandem	Yes
		No
e	Dust shield on all axles.	Yes
		No
f	Brakes shall conform to FMVSS in effect at time of production.	Yes
		No
g	Full trailer air package required with glad hands installed such that they can attached to the trailer without further	Yes

	modification by the user; holders are required.	No
h	The brake air tank shall have a manual drain valve with a lanyard attached to the chassis rail.	Yes
		No
i	ABS system shall be 6S/6M, manufacturer's standard Bendix or Meritor and must be compatible with all manufacturers of trailer brakes.	Yes
		No
j	ABS Manufacturer	Bendix
k	ABS Model	ADB22X-LT
l	Air brake ABS, full vehicle wheel control system with automatic traction control (ATC).	Yes
		No
10 Batteries		
a	Battery box and battery mounts designed for on/off road application.	Yes
		No
b	Minimum of 3000 CCA at zero (0) degrees F.	3000 CCA
c	Hold down clamps and terminals treated with corrosion resistant.	Yes
		No
d	Batteries and cables to comply with Technology and Maintenance Council 105d specifications.	Yes
		No
e	Two (2) remote jump start terminals, battery side mounted with color coded covers.	Yes
		No
f	Shall have a master electrical disconnect switch (non-keyed) on battery side of truck, protected from road splash and accessible from the ground or be mounted in the cab.	Yes
		No
g	Manufacturer's standard battery box cover.	Yes
		No
11 Alternator		
a	Delco SI or approved equal.	Yes
		No
b	Minimum 180 amps	210 Amps
c	Alternator Manufacturer	Leece-Neville Make

d Alternator Model		AVI210P2013 Model
14	Engine Performance: The Vendor is required to furnish, with the bid, a copy of the performance calculations for the truck offered when coupled to a 53' Box Trailer, as per the following requirements.	
a	Full diesel, electronic engine, with inline minimum six (6) cylinders.	Yes
		No
b	Shall be SAE J1349 rated.	Yes
		No
c	Minimum rated torque 1650 lbs./ft	Yes
		No
d	Shall have 25% startability at maximum GVWR (startability @ clutch engagement).	Yes
		No
e	Shall maintain a minimum top speed of 72 MPH @ 1 ½ gradeability at maximum GVWR.☐	Yes
		No
f	Vendor shall include truck performance analysis sheet(s) indicating the truck performance criteria as described above.	Yes
		No
g	Engine Manufacturer.	Cummins MFG.
h	Engine Model.	X15 450V Model
i	Number of Cylinders.	6 # of Cylinders
j	Net HP, minimum of 445 hp	450 HP @ 1900 RPM
k	Peak torque	1750 lb-ft Peak torque lbs./ft @ 900 RPM
12A Engine Requirements Continued		
a	Engine offered shall meet all emissions control system set by EPA requirements, Federal and NC State regulations at the time of delivery.	Yes
		No
b	A copy of the most recent EPA certificate for current model year Emissions is requested with this bid.	Yes
		No
c	110 V thermostatically controlled engine block heater properly sized for the engine proposed with weatherproof receptacle	Yes

	mounted under left door (Driver side).	No
d	Shall have thermostatically controlled fuel heater.	Yes
		No
e	Shall have on board primer for the fuel system.	Yes
		No
f	Shall be compatible for use with B-20 Bio-Diesel fuel.	Yes
		No
g	Shall have a fuel water separator.☐	Yes
		No
h	Shall have full flow, spin on type engine oil filter.	Yes
		No
i	Must have corrosion resistant oil pan.	Yes
		No
13 Engine Brake		
a	Shall be a compression type or approved equal, compatible with the engine and transmission furnished.☐	Yes
		No
b	Engine brake Manufacturer	Jacobs
c	Engine brake Model	Intebrake
14 Exhaust		
a	Shall be a vertical stack with deflector (rain cap not acceptable).☐	Yes
		No
15 Fuel Tank		
a	Single fuel tank, minimum 100 gallons	120 Gallons
b	Fuel tank to be aluminum, aluminized-steel not acceptable.	Yes
		No
c	Shall conform to all applicable SAE Standards.	Yes
		No
d	Prefer left side mounted	Yes
		No
16 Air Cleaner		
a	Dry type, with rated air flow for engine offered with filtration efficiency of 99.5% for all engine speeds.	Yes
		No

b	In cab direct reading air restriction indicator	Yes
		No
17 Cooling System		
a	Cooling system conforming to SAE (Society of Automotive Engineers) J1393, ASTM (American Society for Testing and Materials) Standards and manufacturer recommendations for on-off road application.	Yes
		No
b	Shall have manufacturer's suggested coolant type.	Yes
		No
c	Stone/Gravel radiator guard should be installed at front of the cab	Yes
		No
18 Gauges Shall include manufacturer's standard digital gauge package, including the following gauges as a minimum:		
a	Oil Pressure	Yes
		No
b	Temperature	Yes
		No
c	Voltmeter	Yes
		No
d	Fuel	Yes
		No
e	Air Pressure	Yes
		No
f	Tachometer	Yes
		No
g	Hour meter	Yes
		No
h	Audible and visual alarm for high water temperature	Yes
		No
i	Audible and visual alarm for oil pressure	Yes
		No
j	Audible and visual alarm for low air pressure	Yes
		No
19 Manual Transmission		
a	Eaton RTLO-16913A or approved equal, properly matching engine and axle ratio.☐	Yes
		No

b	Shall allow easy downshifting to lower gears without bringing vehicle to stop.	Yes
		No
c	Furnished with synthetic transmission lubricant.	Yes
		No
d	Transmission manufacturer:	Eaton
e	Transmission model:	RTLO-18913A
f	Torque capacity:	1750
20 Clutch		
a	Easy pedal plus or approved equal with minimum of 15.5 inches.	15.5 inches
b	Minimum 2 plates ceramic or equivalent	Two (2) plates
c	An extended lube line for the clutch release bearing is required.	Yes
		No
d	Clutch manufacturer	Eaton
e	Clutch model	Advantage Self Adjust
21 Windshield Wipers		
a	Electric, dual wipers.	Yes
		No
b	Intermittent action.	Yes
		No
c	Dual washers	Yes
		No
22 Wheel Rims		
a	Aluminum disc type wheels, 10 hole.	Yes
		No
b	Dura-Bright polish or Equivalent to aid in corrosion resistance.	Yes
		No
c	Hub piloted.	Yes
		No
d	Nylon Gasket to prevent corrosion to hub	Yes
		No

e	Rims shall conform to Tire & Rim Association guidelines.	Yes
		No
f	Rim Manufacturer:	Accuride
23 Front Tires		
a	11R22.5 steel belted radial.	Yes
		No
b	Load Range H	Yes
		No
c	Premium highway treads.	Yes
		No
d	Good Year, Michelin, Continental and Bridgestone tires are approved. Any additional tire brands must be approved by the Procurement Entity.	Yes
		No
e	Tire Manufacturer:	Continental
If different from above:		
a	Tire Size	
b	Tire Load Range	
c	Tire Model	
24 Rear Tires		
a	11R22.5 steel belted radial.	Yes
		No
b	Load range H	Yes
		No
c	Good Year, Michelin, Continental and Bridgestone tires are approved. Any additional tire brands must be approved by the Procurement Entity.	Yes
		No
d	Tire Manufacturer:	Continental
If different from above:		
a	Tire Size	
b	Tire Load Range	

c	Tire Model	
25 Lighting		
a	Factory installed daytime running lights.	Yes
		No
b	Front and rear Class "A" directional signals.	Yes
		No
c	Minimum, five (5) cab marker lights.	Yes
		No
d	Hazard Flashers	Yes
		No
e	All lighting to be of the type approved by the N.C. Division of Motor Vehicles.	Yes
		No
f	Pre-Trip exterior light inspection switch: Engaging light inspection switch will sequentially flash all exterior vehicle lights, except back up lights while operator completes safety inspection.	Yes
		No
g	Factory installed Fog lights installed in the front bumper or mounted at the bottom of the front bumper.	Yes
		No
26 Front Bumper		
a	Manufacturers' standard heavy front bumper	Yes
		No
27 Fenders		
a	Quarter Fenders on Front Tandem	Yes
		No
28 License Plate Bracket		
a	License bracket mounted with light in the rear of the truck	Yes
		No
29 Electrical Wiring		
a	All wiring from the front to rear of chassis shall be encased in a loom, molded plastic or pre-approved equal protective covering.	Yes
		No
b	Wiring to be attached to inner side rails with rubber covered fasteners at approx. 20" intervals.	Yes
		No

c	Power supply source (5 terminal block, Cole Hersee 46377 or equal), each capable of providing 15 amps, fuse protected for the later addition of 2 way radio, safety lighting and other special equipment required for NCDOT purposes.	Yes
		No
d	Equiped with factory installed modem for GPS?	Yes
		No
30 Cab: Vendor may be required to demonstrate the cab offered during the evaluation process.		
a	Conventional cab with factory installed air-conditioning.	Yes
		No
b	Shall have electronic cruise control.	Yes
		No
c	Shall have air ride cab	Yes
		No
d	Shall have exterior and interior grab handle handholds.	Yes
		No
e	Shall have steps for high cab applications for both driver and passenger side. First step height approximately 17 inches.	Yes
		No
f	Shall have tinted safety glass all around including windshield.	Yes
		No
g	Driver and passenger seats shall be air ride, adjustable up, down, forward, back and tilt. (National Cush-n-Air or approved equal).	Yes
		No
h	Both seats shall be high-back each with lap and shoulder seatbelts, and for crew cab when applicable. Shoulder straps shall be high visibility orange.	Yes
		No
i	Shall have 12V power supply outlet.	Yes
		No
j	Shall have fresh air heater and defroster with single shut-off valve for water line to heater.☐	Yes
		No
k	Shall have power door locks, and power windows, right and left padded sun visor, driver/passenger side arm rest, map pocket and floor mats.☐	Yes
		No
l	Shall have AM/FM/CD/blue tooth radio, shielded to eliminate interference from 2-way radio with Bluetooth.	Yes
		No

m	Shall have a tilt and telescoping steering wheel.	Yes
		No
n	Cab access and function must be ergonomically designed to accommodate 95% percentile of drivers ranging from a 4 Ft. 8 In., 110 Lb. driver to a 6 Ft. 5 In., 375 Lb. driver.	Yes
		No
o	Rear mounted light on back of cab	Yes
		No
p	Must have factory installed Telematics, GPS that reads Datalink information and is compatible with and communicates with ATT/Geotab database for utilization tracking.	Yes
		No
31 Fire Extinguisher		
a	Shall be ABC type, rechargeable and mounted in cab.	Yes
		No
b	Shall have a UL rating of 10BC	Yes
		No
32 Mirrors		
a	Left and right west coast type with approximately 7"x17" heads.	7.5" x 14" Yes
		No
b	Both west coast mirrors heated.	Yes
		No
c	Left and Right-side mirrors shall be motorized, adjustable and controlled by the driver	Yes
		No
d	Each mirror shall have approximately 8" diameter convex mirrors, bottom bracket mounted, ball adjustable.	Yes
		No
e	Overall width, outside mirror to outside mirror not to exceed 110 inches of the cab and mirror extension should not exceed 110 for safety concerns.)	108" Overall width
33 Horns		
a	Must have 2 horns, one electric and one air horn. Both must comply with SAE requirements and industry standard.	Yes
		No
34 Power Steering		
a	Power steering, designed and intended for the tires, axles and	Yes

	GVWR offered.	No
35	Fifth Wheel -Vendor is to confirm that the below data will provide for the axle loading specified above and that the selected trailer will properly attach without modification by the User.	
a	Air slide with left side operation	Yes
		No
b	Mounted such that the kingpin can be located from directly over the Center of the tandem to 24 inches forward.	Yes
		No
c	Fontaine model H7000 AWB 24 Heavy Duty - 4" increments or a Fontaine No Slack II 7000 Series 7LWB 24.0-inch air slide fifth wheel with cast top plate with 2-inch increments is approved.	Fontaine Air Slide - SL7LWB825024 Model
d	Height shall be between 51 to 52 inches.	Yes
		No
36	Trailer Connection	
a	Break away valve	Yes
		No
b	Air check valve	Yes
		No
c	Hand control valve	Yes
		No
d	Hose, spring cab hangers	Yes
		No
e	Berg (7) wire connector or equivalent, with holder and cable for both ABS and non ABS	Yes
		No
f	Federal Motor Vehicle Safety Standards compatible	Yes
		No
g	Pogo Stick and slide bar installed	Yes
		No
37	Safety	
a	Vehicles shall include the necessary safety features to meet the applicable requirements of the Federal Vehicles Safety Standards and shall conform with Motor Carrier Safety Regulations # 399.203	Yes
		No

b	The vehicle to be furnished with all applicable equipment and accessories as required by the Occupational Safety and Health Acts of both the United States and the State of North Carolina, and shall comply with all regulations, rules, standards and interpretations lawfully adopted there under.	Yes
		No
c	Vehicle Cab noise at ear level of the seated operator, with windows open shall not exceed OSHA REQUIREMENTS IN 29 CFR 1910.95 for 8-hour exposure when measured on the "A" scale of a standard sound meter. Ear plugs or other personal protective devices are not acceptable to comply with this requirement.	Yes
		No
d	OSHA requirements on the opening date of the IFB shall apply, regardless of the date of Equipment manufactured.	Yes
		No
38 Federal Inspection Sticker		
a	All units shall be delivered with a completed 12 month Federal Highway Safety Inspection sticker properly affixed.	Yes
		No

Vendor: Aria Contracting Sales & Services, Inc.

Truck Tractor, 90,000 POUND GCWR, On Road-Off Road

General: NCDOT will typically use these units in transporting heavy equipment to and from job site. Equipment types normally carried by this tractor will include, but shall not be limited to, large excavators, Loaders, Backhoes, Tractors, and other heavy construction and maintenance equipment common to highway construction. The Truck Tractor will normally be mated to a heavy 3-axle lowboy trailer and required to operate in both on/off-road situations typical of other tractors used to transport Highway Construction Equipment.

Line	Requested	Offered
1 Heavy-duty truck tractor intended for on/off road service		
a	Manufacturer	International
b	Model	HX520 SFA
c	Year Model	2026
2 GCWR: Minimum 90,000 lbs. GVWR: 60,000		
a	GCWR	115,000 lbs.

b	GVWR	60,000 lbs.
c	Chassis weight on front axle	9,667 lbs.
d	Chassis weight on rear tandem	9,159 lbs.
e	Weight of cab & chassis including lubricant and full load of fuel.	25,791 lbs.
3 Cab to Tandem		
a	CT 120" to 130" (measuring from the back of the cab to the center of tandem rear Axle) and it should be appropriate for the Fifth wheel setting and axle spacing.	127" inches
4 Wheelbase		
a	Wheelbase shall be appropriate for the axle and CT dimensions required to achieve the axle load requirements and satisfy the laws of North Carolina, Bridge formula, and the Federal laws.	217" Ft/Ins.
5 Frame		
a	Minimum resisting bending moment of 2,000,000 inch/lbs. per frame rail.	3,000,000 In/Lbs
6 Springs and Suspension		
a	Front and rear suspension shall meet or exceed the requirements for GVWR.	Yes
		No
b	Rear suspension to be Air ride type suspension	Yes
		No
c	Front suspension offered	Meritor
d	Rear suspension offered	Hendrickson HAS-460-55
d	Front spring capacity.	14,000 lbs.
e	Rear spring capacity.	46,000 lbs.
7 Front Axle		

a	Front axle with minimum 14,000 lbs. rated capacity.	14,000 lbs.	
b	Set forward axle with Shock absorbers designed for on/off road	Yes	
		No	
c	Wheel bearings oil bath type with synthetic lubricant.	Yes	
		No	
8 Rear Axles			
a	Rear tandem shall be a minimum 46,000 lbs. rated capacity.	46,000 lbs.	
b	Rear axle make and model	Meritor RT-46-160P	
c	Single speed tandem (single gear ratio).	Yes	
		No	
d	Power divider lock with an indicator light visible to the operator or approved equivalent. Must have Automatic Miles Per Hour dis-engagement. Both axles are required to be lockers.	Yes	
		No	
e	Power divider offered		
	Type	Driver controlled	
	Model	RT-46-160	
	Manufacturer	Meritor	
f	Spacing of the axles of the tandem shall provide enough clearance to allow for snow chains to be run on both axles with the tires specified in this bid.	Yes	
		No	
g	Axle ratio provided is to be properly matched for engine RPM, tire size and transmission offered to maintain 72 MPH $\pm$ 2 MPH at a maximum GVW on level ground.	Yes	
		No	
h	Axel Ratio	3.73	
i	Differentials filled with synthetic lubricant.	Yes	
		No	

9 Brakes		
a	Full air disc brakes.	Yes
		No
b	Desiccant type air dryer, Midland Pure Air Plus or pre-approved equal.	Yes
		No
c	Minimum 19.0 CFM air compressor with low air warning buzzer and light.	18.7 CFM
d	Parking brake on front and rear axle of tandem	Yes
		No
e	Dust shield on all axles.	Yes
		No
f	Brakes shall conform to FMVSS in effect at time of production.	Yes
		No
g	Full trailer air package required with glad hands installed such that they can attached to the trailer without further modification by the user; holders are required.	Yes
		No
h	The brake air tank shall have a manual drain valve with a lanyard attached to the chassis rail.	Yes
		No
i	ABS system shall be 6S/6M, manufacturer's standard Bendix or Meritor and must be compatible with all manufacturers of trailer brakes.	Yes
		No
j	ABS Manufacturer	Bendix
k	ABS Model	ADB22X-LT
l	Air brake ABS, full vehicle wheel control system with automatic traction control (ATC).	Yes
		No
10 Batteries		
a	Battery box and battery mounts designed for on/off road application.	Yes
		No
b	Minimum of 3000 CCA at zero (0) degrees F.	3000 CCA

c	Hold down clamps and terminals treated with corrosion resistant.	Yes
		No
d	Batteries and cables to comply with Technology and Maintenance Council 105d specifications.	Yes
		No
e	Two (2) remote jump start terminals, battery side mounted with color coded covers.	Yes
		No
f	Shall have a master electrical disconnect switch (non-keyed) on battery side of truck, protected from road splash and accessible from the ground or be mounted in the cab.	Yes
		No
g	Manufacturer's standard battery box cover.	Yes
		No
11 Alternator		
a	Delco SI or approved equal.	Yes
		No
b	Minimum 180 amps	210 Amps
c	Alternator Manufacturer	Leece-Neville Make
d	Alternator Model	AVI210P2013 Model
14 Engine Performance: Vendor is required to furnish, with the bid, a copy of the performance calculations for the truck offered when coupled to a lowboy equipment trailer, as per the following requirements.		
a	Full diesel, electronic engine, with inline minimum six (6) cylinders.	Yes
		No
b	Shall be SAE J1349 rated.	Yes
		No
c	Minimum rated torque 1700 lbs./ft	Yes
		No
d	Shall have 25% startability at maximum GVWR (startability @ clutch engagement).	Yes
		No
e	Shall maintain a minimum top speed of 72 MPH @ 1 ½	Yes

	gradeability at maximum GVWR.?	No
f	Vendor shall include truck performance analysis sheet(s) indicating the truck performance criteria as described above.	Yes
		No
g	Engine Manufacturer.	Cummins MFG.
h	Engine Model.	X15 525 Model
i	Number of Cylinders.	6 # of Cylinders
j	Net HP, minimum of 500 hp	525 HP @ 1900 RPM
k	Peak torque	1850 Peak torque lbs./ft @ 1000 RPM
12A Engine Requirements Continued		
a	Engine offered shall meet all emissions control system set by EPA requirements, Federal and NC State regulations at the time of delivery.	Yes
		No
b	A copy of the most recent EPA certificate for current model year Emissions is requested with this bid.	Yes
		No
c	110 V thermostatically controlled engine block heater properly sized for the engine proposed with weatherproof receptacle mounted under left door (Driver side).	Yes
		No
d	Shall have thermostatically controlled fuel heater.	Yes
		No
e	Shall have on board primer for the fuel system.	Yes
		No
f	Shall be compatible for use with B-20 Bio-Diesel fuel.	Yes
		No

g	Shall have a fuel water separator.☐	Yes
		No
h	Shall have full flow, spin on type engine oil filter.	Yes
		No
i	Must have corrosion resistant oil pan.	Yes
		No
13 Engine Brake		
a	Shall be a compression type or approved equal, compatible with the engine and transmission furnished.☐	Yes
		No
b	Engine brake Manufacturer	Jacobs
c	Engine brake Model	Intebrake
14 Exhaust		
a	Shall be a vertical stack with deflector (rain cap not acceptable).☐	Yes
		No
15 Fuel Tank		
a	Single fuel tank, minimum 100 gallons	100 Gallons
b	Fuel tank to be aluminum, aluminized-steel not acceptable.	Yes
		No
c	Shall conform to all applicable SAE Standards.	Yes
		No
d	Prefer left side mounted	Yes
		No
16 Air Cleaner		
a	Dry type, with rated air flow for engine offered with filtration efficiency of 99.5% for all engine speeds.	Yes
		No
b	In cab direct reading air restriction indicator	Yes
		No
17 Cooling System		

a	Cooling system conforming to SAE (Society of Automotive Engineers) J1393, ASTM (American Society for Testing and Materials) Standards and manufacturer recommendations for on-off road application.	Yes
		No
b	Shall have manufacturer's suggested coolant type.	Yes
		No
c	Stone/Gravel radiator guard should be installed at front of the cab	Yes
		No
18 Gauges Shall include manufacturer's standard digital gauge package, including the following gauges as a minimum:		
a	Oil Pressure	
		No
b	Temperature	
		No
c	Voltmeter	
		No
d	Fuel	
		No
e	Air Pressure	
		No
f	Tachometer	
		No
g	Hour meter	
		No
h	Audible and visual alarm for high water temperature	
		No
i	Audible and visual alarm for oil pressure	
		No
j	Audible and visual alarm for low air pressure	
		No
19 Manual Transmission		
a	Eaton RTLO-16913A or approved equal, properly matching	Yes

	engine and axle ratio.☐	No
b	Shall allow easy downshifting to lower gears without bringing vehicle to stop.	Yes
		No
c	Furnished with synthetic transmission lubricant.	Yes
		No
d	Transmission manufacturer:	Eaton
e	Transmission model:	RTLOF-20918B
f	Torque capacity:	2050
20 Clutch		
a	Easy pedal plus or approved equal with minimum of 15.5 inches.	15.5 inches
b	Minimum 2 plates ceramic or equivalent	Two (2) plates
c	An extended lube line for the clutch release bearing is required.	Yes
		No
d	Clutch manufacturer	Eaton
e	Clutch model	Advantage Self Adjust
21 Hydraulics: The truck tractor is required to have a transmission PTO driven pump and a 35 gallon hydraulic tank. Must have in-cab engagement, providing sufficient hydraulic flow and power to operate the trailer, which will normally be a 50 ton rated, drop deck equipment hauling trailer with a 12,000 pound winch. (Most commonly the vendor delivers these truck tractors to Godwin Mfg. in Dunn NC and works with them on this up-fit.)		
a	Complete hydraulic system including pump including a Chelsea or Muncie PTO pump, filters, pressure relief valve, and a 35 gallon metal reservoir.	Yes
		No
b	PTO Pump to deliver a minimum of 10 GPM and a maximum of 25 GPM at 2800 to 3000 PSI.	Yes
		No
c	Vendor shall provide an oil cooler of sufficient size to limit overheating.	Yes
		No

d	Hydraulic hoses should be minimum 9 ft in length	15 ft Length
e	Controls for operation of the trailer will be furnished by the trailer manufacturer	Yes
		No
22 Windshield Wipers		
a	Electric, dual wipers.	Yes
		No
b	Intermittent action.	Yes
		No
c	Dual washers	Yes
		No
23 Wheel Rims		
a	Aluminum disc type wheels, 10 hole.	Yes
		No
b	Dura-Bright polish or Equivalent to aid in corrosion resistance.	Yes
		No
c	Hub piloted.	Yes
		No
d	Nylon Gasket to prevent corrosion to hub	Yes
		No
e	Rims shall conform to Tire & Rim Association guidelines.	Yes
		No
f	Rim Manufacturer:	Accuride
24 Front Tires		
a	12R22.5 steel belted radial.	Yes
		No
b	Load Range H	Yes
c	Premium highway treads.	Yes
		No
d	Good Year, Michelin, Continental and Bridgestone tires are approved. Any additional tire brands must be approved by	Yes

	the Procurement Entity.	No
e	Tire Manufacturer.	Michelin
If different from above:		
a	Tire Size	
b	Tire Load Range	
c	Tire Model	
25 Rear Tires		
a	12R22.5 steel belted radial.	Yes
		No
b	Load range H	Yes
		No
c	Good Year, Michelin, Continental and Bridgestone tires are approved. Any additional tire brands must be approved by the Procurement Entity.	Yes
		No
d	Tire Manufacturer.	Michelin
If different from above:		
a	Tire Size	
b	Tire Load Range	
c	Tire Model	
26 Lighting		
a	Factory installed daytime running lights.	Yes
		No
b	Front and rear Class "A" directional signals.	Yes
		No
c	Minimum, five (5) cab marker lights.	Yes
		No

d	Hazard Flashers	Yes
		No
e	All lighting to be of the type approved by the N.C. Division of Motor Vehicles.	Yes
		No
f	Pre-Trip exterior light inspection switch: Engaging light inspection switch will sequentially flash all exterior vehicle lights, except back up lights while operator completes safety inspection.	Yes
g	Factory installed Fog lights installed in the front bumper or mounted at the bottom of the front bumper	Yes
		No
27 Front Bumper		
a	Manufacturers' standard heavy front bumper	Yes
		No
28 Fenders		
a	Quarter fenders on front Tandem	Yes
		No
29 License Plate Bracket		
a	License bracket mounted with light in the rear of the truck	Yes
		No
30 Electrical Wiring		
a	All wiring from the front to rear of chassis shall be encased in a loom, molded plastic or pre-approved equal protective covering.	Yes
		No
b	Wiring to be attached to inner side rails with rubber covered fasteners at approx. 20" intervals.	Yes
		No
c	Power supply source (5 terminal block, Cole Hersee 46377 or equal), each capable of providing 15 amps, fuse protected for the later addition of 2 way radio, safety lighting and other special equipment required for NCDOT purposes.	Yes
		No
d	Equiped with factory installed modem for GPS?	Yes

No

31 Cab: Vendor may be required to demonstrate the cab offered during the evaluation process.

a Conventional cab with factory installed air-conditioning.

Yes

No

b Shall have electronic cruise control.

Yes

No

c Shall have air ride cab

Yes

No

d Shall have exterior and interior grab handle handholds.

Yes

No

e Shall have steps for high cab applications for both driver and passenger side. First step height approximately 17 inches.

Yes

No

f Shall have tinted safety glass all around including windshield.

Yes

No

g Driver and passenger seats shall be air ride, adjustable up, down, forward, back and tilt. (National Cush-n-Air or approved equal).

Yes

No

h Both seats shall be high-back each with lap and shoulder seatbelts, and for crew cab when applicable. Shoulder straps shall be high visibility orange.

Yes

No

i Shall have 12V power supply outlet.

Yes

No

j Shall have fresh air heater and defroster with single shut-off valve for water line to heater.☐

Yes

No

k Shall have power door locks, and power windows, right and left padded sun visor, driver/passenger side arm rest, map pocket and floor mats.☐

Yes

No

l Shall have AM/FM/CD/blue tooth radio, shielded to eliminate interference from 2-way radio with Bluetooth.

Yes

No

m Shall have a tilt and telescoping steering wheel.

Yes

		No
n	Cab access and function must be ergonomically designed to accommodate 95% percentile of drivers ranging from a 4 Ft. 8 In., 110 Lb. driver to a 6 Ft. 5 In., 375 Lb. driver.	Yes
		No
o	Rear mounted light on back of cab	Yes
		No
p	Must have factory installed Telematics, GPS that reads Datalink information and is compatible with and communicates with ATT/Geotab database for utilization tracking.	Yes
		No
32 Fire Extinguisher		
a	Shall be ABC type, rechargeable and mounted in cab.	Yes
		No
b	Shall have a UL rating of 10BC	Yes
		No
33 Mirrors		
a	Left and right west coast type with approximately 7"x17" heads.	Yes
		No
b	Both west coast mirrors heated.	Yes
		No
c	Left and Right-side mirrors shall be motorized, adjustable and controlled by the driver	Yes
		No
d	Each mirror shall have approximately 8" diameter convex mirrors, bottom bracket mounted, ball adjustable.	Yes
		No
e	Overall width, outside mirror to outside mirror not to exceed 110 inches of the cab and mirror extension should not exceed 110 for safety concerns.)	108" Overall width
34 Horns		
a	Must have 2 horns, one electric and one air horn. Both must comply with SAE requirements and industry standard	Yes

Comply with SAE requirements and industry standard.

No

35 Power Steering

- a Power steering, designed and intended for the tires, axles and GVWR offered.

Yes

No

36 Fifth Wheel- Vendor is to confirm that the below data will provide for the axle loading specified above and that the selected trailer will properly attach without modification by the User.

- a Air slide with left side operation

Yes

No

- b Mounted such that the kingpin can be located from directly over the Center of the tandem to 24 inches forward.

Yes

No

- c Fontaine model H7000 AWB 24 Heavy Duty - 4" increments or
a Fontaine No Slack II 7000 Series 7LWB 24.0-inch air slide fifth wheel with cast top plate with 2-inch increments is approved.

Fontaine Air Slide - SL7LWB825024 Model

- d Height shall be between 51 to 52 inches

Yes

No

37 Trailer Connection

- a Break away valve

Yes

No

- b Air check valve

Yes

No

- c Hand control valve

Yes

No

- d Hose, spring cab hangers

Yes

No

- e Berg (7) wire connector or equivalent, with holder and cable for both ABS and non ABS

Yes

No

- f Federal Motor Vehicle Safety Standards compatible

Yes

No

- g Wet line kit for hook up of semi-trailer, mounted behind cab

Yes

		No
h	Quick disconnect fittings shall comply with ISO 7241-1 series B	Yes
		No
i	Sufficient reservoir capacity and oil cooler to ensure maximum of 100 degree F rise	Yes
		No
j	Pogo Stick and slide bar installed	Yes
		No
38 Safety		
a	Vehicles shall include the necessary safety features to meet the applicable requirements of the Federal Vehicles Safety Standards and shall conform with Motor Carrier Safety Regulations # 399.203.	Yes
		No
b	The vehicle to be furnished with all applicable equipment and accessories as required by the Occupational Safety and Health Acts of both the United States and the State of North Carolina, and shall comply with all regulations, rules, standards and interpretations lawfully adopted there under.	Yes
		No
c	Vehicle Cab noise at ear level of the seated operator, with windows open shall not exceed OSHA REQUIREMENTS IN 29 CFR 1910.95 for 8-hour exposure when measured on the "A" scale of a standard sound meter. Ear plugs or other personal protective devices are not acceptable to comply with this requirement.	Yes
		No
d	OSHA requirements on the opening date of the IFB shall apply, regardless of the date of Equipment manufactured.	Yes
		No
39 Federal Inspection Sticker		
a	All units shall be delivered with a completed 12 month Federal Highway Safety Inspection sticker properly affixed.	Yes
		No

Vendor: Aria Contracting Sales & Services, Inc.

Truck Tractor, 140,000 POUND GCWR, Heavy Hauling On/Off Road

General: This specification is for the purchase of a heavy duty, 140,000Lb. GCVWR truck tractor for use by the North Carolina Division of Highways in transporting heavy equipment to and from job sites. Equipment types normally carried by this tractor will include, but shall not be limited to, Large Excavators, Loaders, Motor Graders, Large Bulldozers, and other heavy construction and maintenance equipment common to highway construction. The tractor will normally be mated to a heavy 3-axle lowboy trailer and required to operate in both on/off-road situations typical of other tractors used to transport Heavy Construction Equipment.

Line	Requested	Offered
1 Heavy-duty truck tractor intended for on/off road service		
a	Manufacturer	International
b	Model	Hx520 SFA
c	Year Model	2026
2 GCWR: Minimum 140,000 lbs. GVW: Appropriate to achieve GCWR loads given		
a	GCWR	140,000 lbs.
b	GVWR	79,340 lbs.

c	Chassis weight on front axle	10,779 lbs.
d	Chassis weight on rear tandem	10,491 lbs.
e	Weight of cab & chassis including lubricant and full load of fuel.	22,076 lbs.
3 Cab to Tandem		
a	CT 160" to 170" (measuring from the back of the cab to the center of tandem rear Axle) and it should be appropriate for the Fifth wheel setting and axle spacing.	166 inches
4 Wheelbase		
a	Wheelbase shall be appropriate for the axle and CT dimensions required to achieve the axle load requirements and satisfy the laws of North Carolina, Bridge formula, and the Federal laws.	256" Ft/Ins.
5 Frame		
a	Minimum resisting bending moment of 2,000,000 inch/lbs. per frame rail.	3,000,000 In/Lbs
6 Springs and Suspension		
a	Front and rear suspension shall meet or exceed the axle ratings.	Yes No
b	Rear suspension to be either Hendrickson model HAS-460-55 "Air" or approved equal	Yes No
c	Front suspension offered	Meritor
d	Rear suspension offered	Hendrickson HAS-460-55
d	Front spring capacity.	20,000 lbs.
e	Rear spring capacity.	46,000 lbs.
7 Front Axle		

a	Front axle with minimum 18,000 lbs. rated capacity with the heaviest duty shock absorbers, designed and recommended for on and off road service	20,000 lbs.	
b	Set forward axle with heavy duty Shock absorbers designed for on/off road	Yes	
		No	
c	Wheel bearings oil bath type with synthetic lubricant.	Yes	
		No	
8 Rear Axles			
a	Rear tandem shall be a minimum 46,000 lbs. rated capacity.	46,000 lbs.	
b	Rear axle make and model	Meritor RT-46-160	
c	Single speed tandem (single gear ratio).	Yes	
		No	
d	Power divider lock with an indicator light visible to the operator or approved equivalent. If the tandem is Mack design (automatically Selected power divider), no lock or light is required. Both axles are required to be lockers.	Yes	
		No	
e	Power divider offered	Type	Driver controlled
		Model	RT-46-160
		Manufacturer	Meritor
f	Spacing of the axles of the tandem shall provide enough clearance to allow for snow chains to be run on both axles with the tires specified in this bid.	Yes	
		No	
g	Axle ratio provided is to be properly matched for engine RPM, tire size and transmission offered to maintain 72 MPH ± 2 MPH at a maximum GVW on level ground.	Yes	
		No	
h	Axel Ratio	3.73	

i	Differentials filled with synthetic lubricant.	Yes
		No
9 Lift Axle		
a	A steerable, 13,000Lb capacity lift axle with auto reverse is required and shall be installed by chassis manufacturer	Yes
		No
b	Lift axle shall be equipped with two (2) disc type aluminum wheels and 11R22.5, 14 play rated tires	Yes
		No
c	Steerable	Yes
		No
d	Air activation and regulation from cab.	Yes
		No
e	Automatic lift in reverse	Yes
		No
f	Capacity	13,500 lbs.
g	Lift axle manufacturer	Watson & Chalin
h	Lift axle model.	SL1190SSR
10 Brakes		
a	Full air disc brakes.	Yes
		No
b	Desiccant type air dryer, Midland Pure Air Plus or pre-approved equal.	Yes
		No
c	Minimum 19.0 CFM air compressor with low air warning buzzer and light.	18.7 CFM
d	Parking brake on front and rear axle of tandem	Yes
		No
e	Dust shield on all axles.	Yes
		No
f	Brakes shall conform to FMVSS in effect at time of production.	Yes

		No
g	Full trailer air package required with glad hands installed such that they can attached to the trailer without further modification by the user; holders are required.	Yes
		No
h	The brake air tank shall have a manual drain valve with a lanyard attached to the chassis rail.	Yes
		No
i	ABS system shall be 6S/6M, manufacturer's standard Bendix or Meritor and must be compatible with all manufacturers of trailer brakes.	Yes
		No
j	ABS Manufacturer	Bendix
k	ABS Model	ADB22X-LT
l	Air brake ABS, full vehicle wheel control system with automatic traction control (ATC).	Yes
		No
11 Batteries		
a	Battery box and battery mounts designed for on/off road application.	Yes
		No
b	Minimum of 3000 CCA at zero (0) degrees F.	3000 CCA
c	Hold down clamps and terminals treated with corrosion resistant.	Yes
		No
d	Batteries and cables to comply with Technology and Maintenance Council 105d specifications.	Yes
		No
e	Two (2) remote jump start terminals, battery side mounted with color coded covers.	Yes
		No
f	Shall have a master electrical disconnect switch (non-keyed) on battery side of truck, protected from road splash and accessible from the ground or be mounted in the cab.	Yes
		No
g	Manufacturer's standard battery box cover.	Yes
		No

12 Alternator

a Delco SI or approved equal.

Yes

No

b Minimum 180 amps

210 Amps

c Alternator Make

Leece-Neville Make

d Alternator Model

AVI210P2013 Model

13 Engine Performance: The Bidder is required to furnish, with the bid, a copy of the performance calculations for the truck offered when coupled to a lowboy equipment trailer, as per the following requirements.

a Full diesel, electronic engine, with inline minimum six (6) cylinders.

Yes

No

b Shall be SAE J1349 rated.

Yes

No

c Minimum rated torque 1850 lbs./ft

Yes

No

d Shall have 25% startability at maximum GVWR (startability @ clutch engagement).

Yes

No

e Shall maintain a minimum top speed of 72 MPH @ 1 ½ gradeability at maximum GVWR.☐

Yes

No

f Bidder shall include truck performance analysis sheet(s) indicating the truck performance criteria as described above.

Yes

No

g Engine Manufacturer.

Cummins MFG.

h Engine Model.

X15 525 Model

i Number of Cylinders.

Six (6) # of Cylinders

j Net HP, minimum of 500 hp

525 HP @
1900 RPM

k Peak torque

1850 Peak torque
lbs./ft @

1000 RPM

14 Engine Requirements Continued

- a Engine offered shall meet all emissions control system set by EPA requirements, Federal and NC State regulations at the time of delivery.

Yes

No

- b A copy of the most recent EPA certificate for current model year Emissions is requested with this bid.

Yes

No

- c 110 V thermostatically controlled engine block heater properly sized for the engine proposed with weatherproof receptacle mounted under left door (Driver side).

Yes

No

- d Shall have thermostatically controlled fuel heater.

Yes

No

- e Shall have on board primer for the fuel system.

Yes

No

- f Shall be compatible for use with B-20 Bio-Diesel fuel.

Yes

No

- g Shall have a fuel water separator.☐

Yes

No

- h Shall have full flow, spin on type engine oil filter.

Yes

No

- i Must have corrosion resistant oil pan.

Yes

No

15 Engine Brake

- a Shall be a compression type or approved equal, compatible with the engine and transmission furnished.☐

Yes

No

- b Engine brake Manufacturer

Jacobs

- c Engine brake Model

Intebrake

16 Exhaust

- a Shall be a vertical stack with deflector (rain cap not acceptable).☐

Yes

No

17 Fuel Tank

a Single fuel tank, minimum 100 gallons 100 Gallons

b Fuel tank to be aluminum, aluminized-steel not acceptable. Yes
No

c Shall conform to all applicable SAE Standards. Yes
No

d Request left side mounted Yes
No

18 Air Cleaner

a Dry type, with rated air flow for engine offered with filtration efficiency of 99.5% for all engine speeds. Yes
No

b In cab direct reading air restriction indicator Yes
No

19 Cooling System

a Cooling system conforming to SAE (Society of Automotive Engineers) J1393, ASTM (American Society for Testing and Materials) Standards and manufacturer recommendations for on-off road application. Yes
No

b Shall have manufacturer's suggested coolant type. Yes
No

c Stone/Gravel radiator guard should be installed at front of the cab Yes
No

20 Gauges Shall include manufacturer's standard digital gauge package, including the following gauges as a minimum:

a Oil Pressure Yes
No

b Temperature Yes
No

c Voltmeter Yes
No

d Fuel Yes
No

e	Air Pressure	Yes
		No
f	Tachometer	Yes
		No
g	Hour meter	Yes
		No
h	Audible and visual alarm for high water temperature	Yes
		No
i	Audible and visual alarm for oil pressure	Yes
		No
j	Audible and visual alarm for low air pressure	Yes
		No
21 Manual Transmission		
a	Eaton RTLO-18913A or approved equal, properly matching engine and axle ratio.☐	Yes
		No
b	Shall allow easy downshifting to lower gears without bringing vehicle to stop.	Yes
		No
c	Furnished with synthetic transmission lubricant.	Yes
		No
d	Transmission manufacturer:	Eaton
e	Transmission model:	RTLOF-20918B
f	Torque capacity:	2050
22 Clutch		
a	Easy pedal plus or approved equal with minimum of 15.5 inches.	15.5 inches
b	Minimum 2 plates ceramic or equivalent.	Two (2) plates
c	An extended lube line for the clutch release bearing is required.	Yes
		No

d	Clutch manufacturer	Eaton
e	Clutch model	Advantage Self Adjust
23 Hydraulics: The truck tractor is required to have a transmission PTO driven pump and a 35 gallon hydraulic tank. Must have in-cab engagement, providing sufficient hydraulic flow and power to operate the trailer, which will normally be a 50 ton rated, drop deck equipment hauling trailer with a 12,000 pound winch. (Most commonly the vendor delivers these truck tractors to Godwin Mfg. in Dunn NC and works with them on this up-fit.)		
a	Complete hydraulic system including pump including a Chelsie or Muncie PTO pump, filters, pressure relief valve, and a 35-gallon metal reservoir.	Yes
		No
b	PTO Pump to deliver a minimum of 10 GPM and a maximum of 25 GPM at 2800 to 3000 PSI.	Yes
		No
c	Bidder shall provide an oil cooler of sufficient size to limit overheating.	Yes
		No
d	Hydraulic hoses should be minimum 9 ft in length.	15' Length
e	Controls for operation of the trailer will be furnished by the trailer manufacturer.	Yes
		No
24 Windshield Wipers		
a	Electric, dual wipers.	Yes
		No
b	Intermittent action.	Yes
		No
c	Dual washers.	Yes
		No
25 Wheel Rims		
a	Aluminum disc type wheels, 10 hole.	Yes
		No
b	Dura-Bright polish or Equivalent to aid in corrosion resistance.	Yes
		No
c	Hub piloted.	Yes

		No
d	Nylon Gasket to prevent corrosion to hub.	Yes
		No
e	Rims shall conform to Tire & Rim Association guidelines.	Yes
		No
f	Rim Manufacturer:	Accuride
26 Front Tires		
a	315/80R22.5 steel belted radial.	Yes
		No
b	Load Range L	Yes
		Yes
c	Minimum speed rating of 75MPH.	Yes
		No
d	Premium highway treads.	Yes
		No
e	Tire Manufacturer.	Continental
f	Tire Model.	315/80R22.5 steel belted radial
If different from above:		
a	Tire Size	
b	Tire Load Range	
c	Tire Model	
27 Rear Tires		
a	12RR22.5 steel belted radial.	Yes
		No
b	Load Range H	Yes
		Yes
c	Premium highway treads.	Yes
		No

d	Tire Manufacturer.	Continental
e	Tire Model.	12RR22.5 steel belted radial
If different from above:		
a	Tire Size.	
b	Tire Load Range.	
c	Tire Model.	
28 Lighting		
a	Factory installed daytime running lights.	Yes
		No
b	Front and rear Class "A" directional signals.	Yes
		No
c	Minimum, five (5) cab marker lights.	Yes
		No
d	Hazard Flashers.	Yes
		No
e	All lighting to be of the type approved by the N.C. Division of Motor Vehicles.	Yes
		No
f	Pre-Trip exterior light inspection switch: Engaging light inspection switch will sequentially flash all exterior vehicle lights, except back up lights while operator completes safety inspection.	Yes
		No
g	Factory installed Fog lights installed in the front bumper or mounted at the bottom of the front bumper.	Yes
		No
29 Front Bumper		
a	Manufacturers' standard heavy front bumper.	Yes
		No
30 Fenders		
a	Quarter fenders on front Tandem	Yes
		No

31 License Plate Bracket		
a	License bracket mounted with light in the rear of the truck.	Yes
		No
32 Electrical Wiring		
a	All wiring from the front to rear of chassis shall be encased in a loom, molded plastic or pre-approved equal protective covering.	Yes
		No
b	Wiring to be attached to inner side rails with rubber covered fasteners at approx. 20" intervals.	Yes
		No
c	Power supply source (5 terminal block, Cole Hersee 46377 or equal), each capable of providing 15 amps, fuse protected for the later addition of 2 way radio, safety lighting and other special equipment required for NCDOT purposes.	Yes
		No
d	Equiped with factory installed modem for GPS?	Yes
		No
33 Cab: Bidder may be required to demonstrate the cab offered during the evaluation process.		
a	Conventional cab with factory installed air-conditioning.	Yes
		No
b	Shall have electronic cruise control.	Yes
		No
c	Shall have air ride cab.	Yes
		No
d	Shall have exterior and interior grab handle handholds.	Yes
		No
e	Shall have steps for high cab applications for both driver and passenger side. First step height approximately 17 inches.	Yes
		No
f	Shall have tinted safety glass all around including windshield.	Yes
		No
g	Driver and passenger seats shall be air ride, adjustable up, down, forward, back and tilt. (National Cush-n-Air or approved	Yes

	equal).	No
h	Both seats shall be high-back each with lap and shoulder seatbelts, and for crew cab when applicable. Shoulder straps shall be high visibility orange.	Yes
		No
i	Shall have 12V power supply outlet.	Yes
		No
j	Shall have fresh air heater and defroster with single shut-off valve for water line to heater.☐	Yes
		No
k	Shall have power door locks, and power windows, right and left padded sun visor, driver/passenger side arm rest, map pocket and floor mats.☐	Yes
		No
l	Shall have AM/FM/CD/blue tooth radio, shielded to eliminate interference from 2-way radio with Bluetooth.	Yes
		No
m	Shall have a tilt and telescoping steering wheel.	Yes
		No
n	Cab access and function must be ergonomically designed to accommodate 95% percentile of drivers ranging from a 4 Ft. 8 In., 110 Lb. driver to a 6 Ft. 5 In., 375 Lb. driver.	Yes
		No
o	Rear mounted light on back of cab.	Yes
		No
p	Must have factory installed Telematics, GPS that reads Datalink information and is compatible with and communicates with ATT/Geotab database for utilization tracking.	Yes
		No
34 Fire Extinguisher		
a	Shall be ABC type, rechargeable and mounted in cab.	Yes
		No
b	Shall have a UL rating of 10BC	Yes
		No
35 Mirrors		

a	Left and right west coast type with approximately 7"x17" heads.	7.5" x 14"	Yes
			No
b	Both west coast mirrors heated.		Yes
			No
c	Left and Right-side mirrors shall be motorized, adjustable and controlled by the driver.		Yes
			No
d	Each mirror shall have approximately 8" diameter convex mirrors, bottom bracket mounted, ball adjustable.		Yes
			No
e	Overall width, outside mirror to outside mirror not to exceed 110 inches of the cab and mirror extension should not exceed 110 for safety concerns.)	108" Overall width	
36 Horns			
a	Must have 2 horns, one electric and one air horn. Both must comply with SAE requirements and industry standard.		Yes
			No
37 Power Steering			
a	Power steering, designed and intended for the tires, axles and GVWR offered.		Yes
			No
38 Fifth Wheel Bidder is to confirm that the below data will provide for the axle loading specified above and that the selected trailer will properly attach without modification by the User.			
a	Air slide with left side operation		Yes
			No
b	Mounted such that the kingpin can be located from directly over the Center of the tandem to 24 inches forward.		Yes
			No
c	Fontaine No Slack H7 Series HDS 24" with 4" increments is pre-approved.	Holland FW70R924NL00 Model	
d	Height shall be between 51 to 52 inches.		Yes
			No
39 Trailer Connection			
a	Break away valve.		Yes

		No
b	Air check valve.	Yes
		No
c	Hand control valve.	Yes
		No
d	Hose, spring cab hangers.	Yes
		No
e	Berg (7) wire connector or equivalent, with holder and cable for both ABS and non ABS.	Yes
		No
f	Federal Motor Vehicle Safety Standards compatible.	Yes
		No
g	Wet line kit for hook up of semi-trailer, mounted behind cab.	Yes
		No
h	Quick disconnect fittings shall comply with ISO 7241-1 series B.	Yes
		No
i	Sufficient reservoir capacity and oil cooler to ensure maximum of 100 degree F rise.	Yes
		No
j	Pogo Stick and slide bar installed.	Yes
		No
40 Safety		
a	Vehicles shall include the necessary safety features to meet the applicable requirements of the Federal Vehicles Safety Standards and shall conform with Motor Carrier Safety Regulations # 399.203.	Yes
		No
b	The vehicle to be furnished with all applicable equipment and accessories as required by the Occupational Safety and Health Acts of both the United States and the State of North Carolina, and shall comply with all regulations, rules, standards and interpretations lawfully adopted there under.	Yes
		No

c	Vehicle Cab noise at ear level of the seated operator, with windows open shall not exceed OSHA REQUIREMENTS IN 29 CFR 1910.95 for 8-hour exposure when measured on the "A" scale of a standard sound meter. Ear plugs or other personal protective devices are not acceptable to comply with this requirement.	Yes
		No
d	OSHA requirements on the opening date of the IFB shall apply, regardless of the date of Equipment manufactured.	Yes
		No
41 Federal Inspection Sticker		
a	All units shall be delivered with a completed 12 month Federal Highway Safety Inspection sticker properly affixed.	Yes
		No



DPC-1428364267-BP - Class 8 Truck Cab and Chassis

Attachment A: Pricing Workbook

Vendor Name: Aria Contracting Sales & Services, Inc.

35,000 LB. GVW Cab and Chassis					
Item	Description	Manufacturer	Year & Model	Unit Price Automatic Transmission	Unit Price Automated Manual Transmission
1	Conventional cab, bucket seats as described in attached specifications	International	2026 / HV507	\$ 108,903.25	\$ 122,117.08
2	Option for crew cab	International	2026 / HV507	\$ 116,779.94	\$ 127,146.84
3	Optional bench seat in lieu of bucket seats in conventional cab or in lieu of front row bucket seats in crew cab.	International	2026 / HV507	\$ 108,442.77 Conv \$ 116,468.86 Crew	\$121,960.26 Conv \$127,054.78 Crew
4	Option for REPTO (Rear Engine Power Take Off).	International	2026 / HV507	\$ 2,080.00	\$ 2,080.00
5	Option for 84" usable CA	International	2026 / HV507	\$ 108,813.85	\$ 122,025.02
6	Option for 105" usable CA	International	2026 / HV507	\$ 108,813.85	\$ 122,025.02
7	Option for 108" usable CA	International	2026 / HV507	\$ 108,813.85	\$ 122,025.02
8	Option for 111" usable CA	International	2026 / HV507	\$ 108,813.85	\$ 122,025.02
9	Option for 120" usable CA	International	2026 / HV507	\$ 108,813.85	\$ 122,025.02
10	Option for 126" usable CA	International	2026 / HV507	\$ 109,262.70	\$ 122,227.63
11	Option for 144" usable CA	International	2026 / HV507	\$ 109,262.70	\$ 122,227.63
12	Option for 162" usable CA	International	2026 / HV507	\$ 109,262.70	\$ 122,227.63
13	Option for 174" usable CA	International	2026 / HV507	\$ 109,262.70	\$ 122,227.63

50,000-70,000 LB. GVWR Tandem Axle Cab and Chassis				
Item	Description	Manufacturer	Year & Model	Unit Price
1	Tandem Axle Chassis w/ Automated Manual Transmission (AMT)	International	2026 / HV515	\$ 137,482.07
2	Tandem Axle Chassis w/ 1 Lift Axle and Automated Manual Transmission (AMT)	International	2026 / HV515	\$ 147,362.07

3	Tandem Axle Chassis w/ 2 Lift Axle and Automated Manual Transmission (AMT)	International	2026 / HV515	\$ 157,242.07
4	Option 1: REPTO (Rear Engine Power Take Off).	International	2026 / HV515	\$ 2,080.00

Truck Tractor				
Item	Description	Manufacturer	Year & Model	Unit Price
1	Truck Tractor, 90,000 LB GCWR Over the Road	International	2026 / LT625	\$ 146,663.67
2	Heavy-Duty Truck Tractor, 90,000 LB. GCWR Intended For On/Off Road Service	International	2026 / HX520	\$ 156,199.00
3	Truck Tractor Tri-Axle 140,000 LB GCWR	International	2026 / HX520	\$ 167,032.91

Optional Pricing (Engine Modifications)		
Item	Vendors are requested to provide pricing for upgrading/tuning the maximum truck speed to 75 miles per hour.	Unit Price
4	35,000 GVWR	\$ 2,340.00
5	Tandem Axel 50-70K GVWR	\$ 2,340.00
6	Truck Tractor, 90,000 LB GCWR Over the Road	\$ 2,340.00
7	Heavy-Duty Truck Tractor, 90,000 LB. GCWR On/Off Road Service	\$ 2,340.00
8	Truck Tractor Tri-Axle 140,000 LB GCWR	\$ 2,340.00

Additional Requirements			
Item	Description	Program Fee?	Unit Price
1	Vehicle Operator Training	YES NO	\$ 31,000.00
	If there is a program fee, provide detailed breakdown to clarify costs. See attached letter detailing pricing 15 Additional Pricing for Attachment A Pilot Model Truck Pilot Model Inspection and Training		
2	Pilot Model Program	YES NO	\$5,000 per instance + price per attendee + price per location to be determined when necessary
	If there is a program fee, provide detailed breakdown to clarify costs. See attached letter detailing pricing 15 Additional Pricing for Attachment A Pilot Model Truck Pilot Model Inspection and Training		