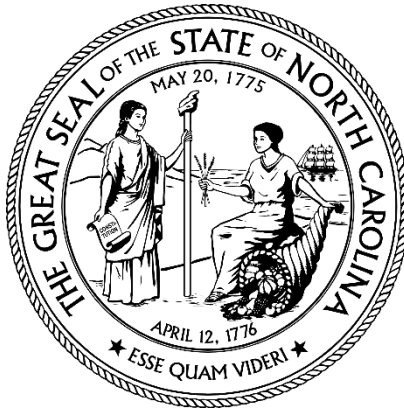




STATE OF NORTH CAROLINA

Department of Transportation

Invitation for Bid#: 54-CB-4260007

Rolling Stock – Raised Roof Vans and Light Transit Vehicles

Date Issued: July 6, 2026

Bid Opening Date: July 27, 2026

At 2:00 PM ET

Direct all inquiries concerning this IFB to:

Charmane Bess

Contract Specialist II

Email: Cbess@ncdot.gov



STATE OF NORTH CAROLINA

Invitation for Bid

54-CB-4260007

For internal State agency processing, including tabulation of bids, provide your company's eVP (Electronic Vendor Portal) Number. Pursuant to G.S. 132-1.10(b) this identification number shall not be released to the public. **This page will be removed and shredded, or otherwise kept confidential**, before the procurement file is made available for public inspection.

**This page shall be filled out and returned with your bid.
Failure to do so shall be sufficient cause to reject your bid.**

Vendor Name

Vendor eVP #

Note: For a contract to be awarded to you, your company (you) must be a North Carolina registered Vendor in good standing. You must enter the Vendor number assigned through eVP (Electronic Vendor Portal). If you do not have a Vendor number, register at <https://evp.nc.gov/SignIn>

Electronic responses ONLY will be accepted for this solicitation.

STATE OF NORTH CAROLINA
Department of Transportation

Refer <u>ALL</u> Inquiries regarding this IFB to: Charmane Bess	Invitation for Bids # 54-CB-4260007
	Bids will be publicly opened: July 27, 2026 at 2:00 PM ET
Using Agency: Department of Transportation	Commodity No. and Description: 251015 – Automotive Vehicles and Related Transportation Equipment

EXECUTION

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

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

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

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

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

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

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

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

By executing this bid, Vendor certifies that it has read and agreed to the **INSTRUCTION TO VENDORS** and the **NORTH CAROLINA GENERAL TERMS AND CONDITIONS incorporated herein**. These documents can be accessed from the ATTACHMENTS page within this document.

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

COMPLETE/FORMAL NAME OF VENDOR:		
STREET ADDRESS:	P.O. BOX:	ZIP:
CITY & STATE & ZIP:	TELEPHONE NUMBER:	TOLL FREE TEL. NO:
PRINCIPAL PLACE OF BUSINESS ADDRESS IF DIFFERENT FROM ABOVE (SEE INSTRUCTIONS TO VENDORS ITEM #21):		
PRINT NAME & TITLE OF PERSON SIGNING ON BEHALF OF VENDOR:		
VENDOR'S AUTHORIZED SIGNATURE:	DATE:	E-MAIL:

Bid Number: 54-CB-4260007

Vendor: _____

VALIDITY PERIOD

Offer shall be valid for at least one hundred and twenty (120) days from date of bid opening, unless otherwise stated here: _____ days, or if extended by mutual agreement of the parties. Any withdrawal of this offer shall be made in writing, effective upon receipt by the agency issuing this IFB.

BID ACCEPTANCE

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

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

(Authorized Representative of Department of Transportation)

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1.0 PURPOSE AND BACKGROUND

It is the intent of this Invitation for Bids to establish an Agency Specific Term Contract to furnish and deliver newly manufactured, unused, and in current production commercial and institutional quality Light Transit Vehicles (LTVs), Raised Roof Vans, optional All-Electric Light Transit Vehicles and optional Low-Floor Vehicles. The vehicles will be provided on an “**As Needed**” basis to grant recipients of the North Carolina Department of Transportation Integrated Mobility Division (IMD).

The equipment specified herein will primarily be used to accommodate public transportation needs for various transit authorities throughout the state of North Carolina. All-Electric Light Transit Vehicles as well as Low-Floor Vehicles have been added as an option to this solicitation to help meet sustainability goals and needs. Vendors are urged and cautioned to assure that any accessory equipment offered fully complies with all applicable safety standards and codes for said application, and the latest Americans Disability Act requirements.

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

1.1 CONTRACT TERM

The initial contract term shall be for five (5) years, beginning on the date the Contract is executed by the State (the “Effective Date”) with no renewal option. In addition, the State reserves the right to extend a contract term after the last active term.

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

1.2 HISTORICAL SPEND

Based on NCDOT’s historical usage of the Raised Roof Vans and Light Transit Vehicles covered in this solicitation, the spending through the previous contracts averaged \$49,039,434.00 annually. The State shall not be obligated to purchase more than its normal requirements. The State will be responsible only for items requested and received.

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.

2.2 E-PROCUREMENT FEE

ATTENTION: The E-Procurement fee may apply to this solicitation. See paragraph entitled ELECTRONIC PROCUREMENT of the North Carolina General Terms and Conditions.

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

2.3 NOTICE TO VENDORS REGARDING IFB TERMS AND CONDITIONS

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

If Vendors have questions, issues, or exceptions regarding any component within this IFB, those must be submitted as questions in accordance with the instructions in the BID QUESTIONS Section. If the State determines that any changes will be made as a result of the questions asked, then such decisions will be communicated in the form of an IFB addendum. The State may also elect to leave open the possibility for later negotiation of specific provisions of the Contract that have been addressed during the question-and-answer period, prior to contract award.

Other than through this process or negotiation under 01 NCAC 05B.0503, the State rejects and will not be required to evaluate or consider any additional or modified terms and conditions submitted with Vendor’s bid. This applies to any language appearing in or attached to the document as part of the Vendor’s bid that purports to vary any terms and conditions or Vendors’ instructions herein or to render the bid non-binding or subject to further negotiation. Vendor’s bid shall constitute a firm offer that shall be held open for the period required herein (“Validity Period” above).

The State may exercise its discretion to consider Vendor proposed modifications. By execution and delivery of this IFB response, the Vendor agrees that any additional or modified terms and conditions, whether submitted purposely or inadvertently, shall have no force or effect, and will be disregarded unless expressly agreed upon through negotiations and incorporated by way of a Best and Final Offer (BAFO). Noncompliance with, or any attempt to alter or delete, this paragraph shall constitute sufficient grounds to reject Vendor's bid as non-responsive.

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	July 6, 2026
Submit Written Questions	Vendor	July 13, 2026, at 10:00 AM ET
Provide Responses to Questions	State	July 20, 2026
Submit Bids	Vendor	July 27, 2026, at 2:00 PM ET Public bid opening for this solicitation will be conducted via conference call. Vendors may use the links or call-in number below to join the bid opening. Microsoft Teams meeting Join: https://teams.microsoft.com/meet/23565621193676?p=k6y7GGMaMOVucao82L Meeting ID: 235 656 211 936 76 Passcode: 9iS7JD9v Dial in by phone +1 984-204-1487,,918402931# United States, Raleigh Find a local number Phone conference ID: 918 402 931# Join on a video conferencing device Tenant key: ncgov@m.webex.com Video ID: 113 638 969 1 More info For organizers: Meeting options Reset dial-in PIN

2.5 BID QUESTIONS

Upon review of the IFB documents, Vendors may have questions to clarify or interpret the IFB in order to submit the best bid possible. To accommodate the Bid Questions process, Vendors shall submit any such questions by the "Submit Written Questions" date and time provided in the IFB SCHEDULE Section above, unless modified by Addendum.

Written questions shall be e-mailed to **cbess@ncdot.gov** by the date and time specified above. Vendors will enter **"IFB # 54-CB-4260007: Questions"** as the subject for the email. Question submittals will include a reference to the applicable IFB section and be submitted in a format shown below:

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

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

2.6 BID SUBMITTAL

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

All bid responses shall be submitted electronically via the electronic Vendor Portal (eVP). Additional information can be found at the eVP updates for Vendors link: <https://eprocurement.nc.gov/news-events/evp-updates-vendors>.

Failure to submit a bid in strict accordance with these instructions shall constitute sufficient cause to reject a Vendor's bid(s). Vendors are strongly encouraged to allow sufficient time to upload bids.

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

Failure to submit a bid in strict accordance with these instructions shall constitute sufficient cause to reject a Vendor's bid(s). Vendors are strongly encouraged to allow sufficient time to upload bids.

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

If confidential and proprietary information is included in the bid, also submit one (1) signed, REDACTED copy of the bid. Such information may include trade secrets defined by N.C. Gen. Stat. § 66-152 and other information exempted from the Public Records Act pursuant to N.C. Gen. Stat. §132- 1.2. Vendor may designate information, Products, Services or appropriate portions of its response as confidential, consistent with and to the extent permitted under the statutes and rules set forth above. By so redacting any page, or portion of a page, the Vendor warrants that it has formed a good faith opinion, having received such necessary or proper review by counsel and other knowledgeable advisors, that the portions determined to be confidential and proprietary and redacted as such, meet the requirements of the Rules and Statutes set forth above. However, under no circumstances shall price information be designated as confidential.

If the Vendor does not provide a redacted version of the bid with its quote submission, the Department may release an unredacted version if a record request is received.

2.7 BID CONTENTS

Vendors shall populate all attachments of this IFB that require the Vendor to provide information and include an authorized signature where requested. Failure to provide all required items, or Vendor's submission of incomplete items, may result in the State rejecting Vendor's bid, in the State's sole discretion.

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

- a) Completed and signed version of EXECUTION PAGES.
- b) Signed receipt pages of any addenda released in conjunction with this IFB, if required to be returned.
- c) Vendor's Response, including:
 - 4.6 SERVICING MANUFACTURER QUALITY ASSURANCE PROGRAMS (separate document)
 - 4.7 PILOT MODEL INSPECTION (fill-in)
 - 4.8 DELIVERY (fill-in)
 - 4.9.1 OPTIONAL DETAILED VEHICLE TRAINING (separate document)
 - 4.13 WARRANTY AND WORKMANSHIP (separate document)
 - 4.14 DESCRIPTIVE LITERATURE (separate document)
 - 4.15 LIST OF MANUFACTURER'S STANDARD EQUIPMENT (separate document)
 - 4.17 AVAILABILITY OF SPARE PARTS
 - 4.22 OPTIONAL MAINTENANCE SERVICE AND SUPPORT (separate document)
 - 5.1 (Appendix A, Appendix B, Appendix C) (fill-ins)

- d) Completed version of ATTACHMENT A: PRICING
- e) Completed version of ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION
- f) Completed version of ATTACHMENT E: CUSTOMER REFERENCE FORM
- g) Completed version of ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR
- h) Completed and signed version of ATTACHMENT G: CERTIFICATION OF FINANCIAL CONDITION
- i) Completed and signed version of ATTACHMENT H: VENDOR REQUEST FOR EO50 PRICE-MATCHING, if applicable
- j) Completed and signed version of ATTACHMENT I: CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS and OMB STANDARD FORM LLL
- k) ATTACHMENT J: FEDERAL AND STATE REQUIREMENTS FOR ROLLING STOCK
- l) ATTACHMENT K: PRE AWARD AND POST DELIVERY AUDIT REQUIREMENTS
- m) Completed and signed version of ATTACHMENT L: CERTIFICATION REGARDING LOBBYING
- n) Completed and signed version of ATTACHMENT M: TRANSIT VEHICLE MANUFACTURERS CERTIFICATION OF COMPLIANCE
- o) Completed and signed version of ATTACHMENT N: CERTIFICATE OF COMPLIANCE WITH BUY AMERICA ROLLING STOCK REQUIREMENTS
- p) Completed and signed version of ATTACHMENT O: CERTIFICATE OF NON-COMPLIANCE WITH BUY AMERICA ROLLING STOCK REQUIREMENTS
- q) Completed and signed version of ATTACHMENT P: CERTIFICATION OF DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION LOWER TIER COVERED TRANSACTION
- r) Completed and signed version of ATTACHMENT Q: CERTIFICATION OF COMPLIANCE WITH FTA'S BUS TESTING REQUIREMENTS
- s) Completed and signed version of ATTACHMENT R: AFFIDAVIT COMPLIANCE WITH N.C. E-VERIFY STATUTES
- t) Completed and signed version of ATTACHMENT S: FMVSS REQUIREMENTS
- u) ATTACHMENT T: ELIGIBLE NCDOT INTEGRATED MOBILITY DIVISION GRANT RECIPIENTS

2.8 ALTERNATE BIDS

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

2.9 DEFINITIONS, ACRONYMS, AND ABBREVIATIONS

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

The following definitions, acronyms, and abbreviations are also relevant to this IFB:

- a) **ADA:** Americans with Disabilities Act
- b) **ABS:** Auto-Lock Braking System
- c) **AM/FM:** Amplitude Modulation / Frequency Modulation
- d) **AVL:** Automatic Vehicle Location
- e) **Buy America Act:** Requirements apply to purchases of iron, steel, and other manufactured products permanently incorporated into infrastructure projects.
- f) **BTU:** British Thermal Unit

- g) **CCA:** Cold Cranking Amps
- h) **CD:** Compact Davis
- i) **CFM:** Cubic feet per minute
- j) **CFR:** Code of Federal Regulations
- k) **CNG:** Compressed Natural Gas
- l) **DCFC:** DC Fast Charging (direct current rapid charging)
- m) **DVR:** Digital Video Recorder
- n) **EOL / WEOL:** End of Life / Warranty End of Life (battery degradation thresholds)
- o) **EPA:** Environmental Protection Agency
- p) **EV:** Electric Vehicle
- q) **FMVSS:** Federal Motor Vehicle Safety Standards
- r) **FTA:** Federal Transit Administration.
- s) **FRP:** Fiberglass Reinforced Plastic
- t) **ESS:** Energy Storage System
- u) **GVWR:** Gross Vehicle Weight Rating
- v) **HS:** Harmonized System
- w) **HV:** High Voltage
- x) **HVAC:** Heating, Ventilation, and Air Conditioning
- y) **ILD:** Indentation Load Deflection
- z) **IMD:** Integrated Mobility Division
- aa) **ISO:** International Organization for Standardization
- bb) **LCD:** Liquid Crystal Display
- cc) **LED:** Light Emitting Diode
- dd) **LOTO:** Lockout/Tagout
- ee) **LTV:** Light Transit Vehicle
- ff) **LT-EV:** Light Transit Electric Vehicle
- gg) **LV:** Low voltage
- hh) **MCO:** Manufacturers Certificate of Origin
- ii) **MDC:** Mobile Data Computer
- jj) **MPH:** Miles Per Hour
- kk) **MSRP:** Manufacturer's Suggested Retail Price
- ll) **MVR-180:** Motor Vehicle Registration Form 180
- mm) **NC MVR-1:** North Carolina Motor Vehicle Registration Form 1
- nn) **O2:** Oxygen
- oo) **ODOM-103N:** Odometer Disclosure Form 103N
- pp) **OEM:** Original Equipment Manufacturer
- qq) **PPI:** Pre Purchase Inspection
- rr) **QVM:** Qualified Vehicle Modifiers

- ss) **RAC:** Rifled Air Conditioning
- tt) **RESNA:** Rehabilitation Engineering and Assistive Technology Society of North America
- uu) **Rolling Stock:** Transit vehicles such as buses, vans, cars
- vv) **RPM:** Revolutions Per Minute
- ww) **SAE:** *Society of Automotive Engineers*
- xx) **SoC:** State of Charge (battery charge level)
- yy) **TXL:** Thin-wall Cross-Linked
- zz) **WC18:** Wheelchair Tiedown and Occupant Restraint Systems Standard

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

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

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

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

3.2 CONFIDENTIALITY AND PROHIBITED COMMUNICATIONS DURING EVALUATION

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

Each Vendor submitting a bid to this IFB, including its employees, agents, subcontractors, suppliers, subsidiaries and affiliates, is prohibited from having any communications with any person inside or outside the using agency; issuing agency; other government agency office or body (including the procurement lead named above, any department secretary, agency head, members of the General Assembly and Governor's office); or private entity, if the communication refers to the content of Vendor's bid or qualifications, the content of another Vendor's bid, 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 bids, 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 bid 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 procurement lead named in this IFB regarding requirements of the IFB (prior to bid 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 are 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. If negotiation is anticipated, 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 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 State's eVP website under the IFB number for this solicitation. Award of a Contract to one Vendor does not mean that the other bids lacked merit, but that, all factors considered, the selected bid was deemed most advantageous and represented the best value to the State.

The State reserves the right to negotiate with one or more Vendors, or to reject all original offers and negotiate with one or more sources of supply that may be capable of satisfying the requirement, and 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 include the total price for each item, including shipping, delivery, handling, administrative and other similar fees. Assembly and set-up at the State's location shall be shown as an additional line price for each applicable item. Complete ATTACHMENT A: PRICING and include in Vendor's response.

4.2 PRODUCT IDENTIFICATION

MAKE AND MODEL

Manufacturer's name and model/catalog numbers used in this IFB are for the sole purpose of identification and to establish general quality level desired. Such references are not intended to be restrictive and comparable products of other manufacturers will be considered. However, Vendors are cautioned that any deviation from the specifications of the identified item are required to be pointed out in its bid. Vendor shall include with its bid sufficient documentary evidence to demonstrate the qualitative, functional, operational, organizational, and conformational equivalence of the bid item to the identified item.

4.3 TRANSPORTATION AND IDENTIFICATION

The Vendor shall deliver Free-On-Board (FOB) Destination to any requested location within the State of North Carolina with all transportation costs and fees included in the total bid price.

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

4.4 PRE-DELIVERY SERVICING VEHICLE TESTING, INSPECTION, AND INSTALLATION

Pre-Delivery Testing Requirements:

Prior to delivery, Vendor shall perform and document the following tests and inspections on each vehicle:

- **Water Leak Test:** The vehicle shall be subjected to a water test to verify that all body seams, window frame seals, and exterior component closeouts prevent water intrusion.
- **Road Test:** Each vehicle shall be driven for a minimum of 15 miles to verify ride quality, stability, performance, braking, HVAC operation, and the function of all systems and subsystems.
- **Interior Inspection:** Inspection of the fit and finish of all interior installations, including the function of all systems and controls.
- **Undercarriage Inspection:** Inspection of all underbody components, wiring, air lines, and drivetrain for proper installation, securement, and absence of leaks.
- **Exterior Inspection:** Inspection of paint, graphics, decals, access panels, and all exterior components for proper installation and finish.
- **Electrical Inspection:** Verification of all electrical panels, harnesses, and terminations for proper installation and labeling.
- **Mobility Device Ramp/Lift Inspection:** Verification of proper installation, clearances, and operation of all accessibility equipment, including interlocks.

- **Documentation:** All tests and inspections must be documented on forms provided by the vendor and included in the pre-delivery documentation package. Authorization forms for release of each vehicle for delivery must be provided.
- **Defect Correction:** Any defects or deficiencies identified during pre-delivery testing must be corrected prior to delivery. Vehicles shall not be shipped until all required tests are passed and documentation is complete.

The State reserves the right to witness any or all pre-delivery tests and to review all documentation prior to acceptance. A final inspection shall be conducted by the vendor prior to delivery.

4.5 PRE-DELIVERY EQUIPMENT AND INSTALLATION SERVICING

All vehicles shall be delivered in newly manufactured condition, according to the specifications listed in Section 5.1. All equipment furnished shall be completely installed, serviced, and conditioned prior to delivery. All adjustments shall be made which are required to prepare the vehicle and its equipment for immediate and continuous operation upon delivery.

Pre-delivery servicing shall include, as a minimum, the following:

- NC State Inspection.
- Adjust and aim headlights.
- Fully charged LV battery.
- Four-wheel alignment
- Balance all wheels (dynamic force balance)
- Top-off all fluids
- Wash & clean interior and exterior vehicle upon delivery to owner.

4.6 SERVICING MANUFACTURER QUALITY ASSURANCE PROGRAMS

The Vendor shall comply with OEM chassis manufacturer requirements and shall follow detailed in-plant quality control procedures. The in-plant quality control procedures shall include, but shall not be limited to the following: each phase; department; step; station; etc. At each such phase, the vehicle shall be inspected for quality control, function, specifications, compliance, and any applicable chassis OEM Qualified Vehicle Modifier (QVM) or substantially equivalent program requirements prior to the vehicle being advanced through the production line.

Quality control procedures should also include a road test and a final inspection. Each vehicle shall pass all inspections prior to delivery, and all quality assurance documentation is required to be sent to the agency as part of the packing list.

The Vendor shall submit the following documentation with the bid response:

- Certification that they comply with and meet the OEM chassis manufacturer requirements as they relate to the OEM QVM Program or substantially equivalent program.
- One (1) copy of the detailed in-plant quality assurance procedures.
- Samples of all inspection forms.
- Documentation that the Vendor/manufacturer has met the requirement as a "Registered Quality System" manufacturer including a copy of the ISO 9001:2015 certificate.

4.7 PILOT MODEL INSPECTION

The State reserves the right to require a pilot model of any of the selected vehicle types. Vendors should complete delivery of the pilot model within **one hundred and twenty (120)** consecutive calendar days after a request is made by NCDOT.

For completion by Vendor: Delivery of the pilot model will be made within _____ consecutive calendar days after receipt of purchase order. Promptness of delivery of the pilot model may be used as a factor in the award criteria.

If directed, Vendor shall produce one (1) pilot vehicle for each type of vehicle in the base order. The pilot vehicle shall be fully representative of the production vehicles and must demonstrate compliance with all contract requirements. The pilot vehicle shall be delivered to the State prior to production of the remaining vehicles, unless otherwise authorized in writing. The Vendor shall deliver Free-On-Board (FOB) Destination to the following location:

NCDOT Highway Building

1 S Wilmington St

Raleigh, NC 27601

No production of remaining vehicles may proceed until the pilot model is accepted, or corrective action is agreed upon. Any changes in design or construction after pilot acceptance will require State approval.

The State reserves the right to witness any or all pilot model tests and to review all documentation prior to acceptance.

Any changes and/or modifications in design or construction after the award or acceptance of the pilot model will be subject to the State's approval, otherwise no changes will be permitted.

4.8 DELIVERY

The Vendor will deliver Free-On-Board (FOB) Destination to the locations defined in ATTACHMENT S: ELIGIBLE NCDOT INTEGRATED MOBILITY DIVISION GRANT RECIPIENTS.

Vendors should complete delivery within **one hundred and fifty (150)** consecutive calendar days after receipt of purchase order.

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

Vendor shall confirm with transit agency receipt(s) of order within twenty-four (24) hours. It shall be the responsibility of the Vendor to arrange transport of the vehicles to the customer site throughout the State. Vendor shall coordinate and schedule with each transit agency a designated address, day and time for the delivery and arrival of their vehicle(s). Vendor is required to give NCDOT and the customer a minimum of three (3) working day notice prior to each intended delivery, so appropriate staff arrangements can be made. Deliveries may be made Monday-Friday, 8:00 a.m. to 4:30 p.m. or as agreed upon.

Vehicles may be shipped, or "Caravan" delivered from the factory. Vehicles that are "drop shipped" to various dealers in North Carolina, still must be transported to the final customer site throughout the State. If driven, vehicles shall be operated within suggested "break-in" limits of the chassis manufacturer. Vehicles transported greater than 250 miles shall be certified as to the operation of the vehicles within these "break-in" limits. Periodic fluid level checks are required. Delivery mileage shall not count toward the warranty.

Vendor shall be required to give a production delivery schedule at the time of receipt of the first purchase order. Vendors are required to provide monthly updates regarding production delivery schedules.

All vehicles must contain no less than ¼ tank of fuel as indicated by the fuel gauge at time of delivery.

4.9 VEHICLE ORIENTATION TRAINING

Upon the delivery of each vehicle or group of vehicles, basic hands-on vehicle orientation training is required to be given by the Vendor, or the Vendor's representative. At least two (2) members of the system's staff shall attend, one (1) of which shall be the transportation coordinator, director, or operations manager. These staff members shall be responsible for training the remainder of the staff.

Instruction shall include, but not be limited to, the following:

- Operation of the vehicle.
- Operation of the wheelchair lift.
- Location of key mechanical components.
- Location and proper use of safety equipment and emergency exits.
- Familiarization of vehicle warning signals.
- Instructions on loading and securing wheelchair/mobility aid passengers.
- Any add-on or optional equipment, such as back-up cameras, etc.
- EV vehicle orientation shall include:
 - Detailed overview of driving modes.

- How to maximize vehicle efficiency while driving.
- Familiarization with vehicle displays and gauges.
- Demonstration of charging.

In-depth training workshops will be held to provide drivers, mechanics, or administrative personnel training relating to preventive maintenance, troubleshooting, operation of the vehicle and equipment (including the lift and securements), and technical updates of the vehicle type offered.

Training materials (manuals, presentations, handouts, etc.) shall be provided in both print and electronic formats and become the property of the agency.

Workshops shall be conducted at various sites across the state. A minimum of four (4) workshops shall be presented by the vendor/manufacture for every 100 vehicles sold. Sessions shall be approximately one (1) day, allowing adequate time for classroom instruction as well as hands-on instruction.

Vendor shall coordinate training with the Integrated Mobility Division to determine dates and locations of workshops.

4.9.1 OPTIONAL DETAILED VEHICLE TRAINING

The Vendor shall provide an optional comprehensive training program for agency personnel, including but not limited to drivers, mechanics, and administrative staff. Training should cover all major vehicle systems and components. **The Vendor should describe and fully define the training program in a separate document and attach the document to the completed IFB. Vendor should provide pricing for the training program in ATTACHMENT A: PRICING.**

- Training topics shall include:
 - Vehicle operation and safety procedures.
 - HV safety and LOTO for EV-vehicles.
 - Wheelchair lift/ramp operation and securement.
 - Preventive maintenance and inspection schedules.
 - HVAC system operation and maintenance.
 - Electrical and electronic systems (including diagnostics and troubleshooting).
 - Propulsion system (engine, transmission, or electric drive).
 - Emergency procedures and safety equipment.
 - Use of manuals, documentation, and diagnostic tools.
 - Any add-on or optional equipment (e.g., cameras, fareboxes, fire suppression, etc.).
- Training materials (manuals, presentations, handouts, etc.) shall be provided in both print and electronic formats and become the property of the agency.
- Certification: Upon completion of training, the vendor shall provide documentation certifying that agency personnel have been trained in the operation and maintenance of the vehicles and all major systems.
- Training Plan: The vendor shall submit a detailed training plan and syllabus for agency approval at least 30 days prior to scheduled training.
- Ongoing Support: The vendor shall make a qualified instructor available for follow-up training or technical support as needed by the agency.

The agency reserves the right to record training sessions for future use and to request additional training if needed.

4.10 CERTIFICATE OF ORIGIN

By submitting and signing this bid, the Vendor hereby certifies to NCDOT that a true and correct Certificate of Origin will accompany each vehicle upon delivery without formal demand. Vendor shall list "NCDOT/Public Trans. Div." as the first lienholder on the Certificate of Origin and title application (NC MVR-1) for all vehicles funded with grant money through the NC Dept. of Transportation. The vendor will be provided with a listing of transit systems on an annual basis that are eligible to purchase under this contract.

The lienholder shall read:

NCDOT-Integrated Mobility Division
1550 Mail Service Center
Raleigh, NC 27699-1550

4.11 PRODUCT SUPPORT

The following items shall be furnished upon delivery with each vehicle purchased. Owner should be presented with either a notebook/binder or a vinyl folder with a clasp containing the following materials.

- Owner's/Operator's Manual for vehicle and other optional equipment. (1 copy each)
- The maintenance and inspection schedule for vehicles and applicable optional equipment. (1 copy of each)
- A wiring diagram of all components installed, both original and added, shall be furnished in addition to the mounted diagram.
- Safety Manual describing safe vehicle operation. (1 copy)
- Tire Maintenance/Tire Care Manual (1 copy)
- All production tests completed on vehicle during manufacturing including a final, "ok to ship", inspection sheet.
- A tube of touch-up paint to match ordered vehicle.
- N.C. Title Application (MVR-1) completed, except for signature, and delivered with MCO. The form can be found at the DMV web site: http://www.ncdot.gov/download/dmv/VR_MVR1.pdf
- Odometer Disclosure Statement, Form ODOM-103N; NC-65-3; or MVR-180. Disclosure on the back of Certificate of Origin may be used.

4.12 AUTHORIZED RESELLER

The Vendor shall be authorized by the manufacturer to distribute or resell the products and/or maintenance offered in this IFB. The Vendor shall provide a signed statement from the manufacturer confirming authorization within ten (10) business days of 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

4.13 WARRANTY AND WORKMANSHIP

The warranty period for both the vehicles and any add-ons shall begin on the date the owner/transit property accepts the vehicle after final inspection. Warranty services should be available in North Carolina. If this cannot be arranged, Vendor shall pay all expenses, while under warranty, involved in towing the vehicle to a location for the services needed.

To the extent not superseded by the terms of sections 4.13.1 and 4.13.2 below, manufacturer's warranty terms shall apply. Vendor's warranty shall be at least the level of coverage provided for its comparable customers. **Vendor shall include copies of the manufacturer's standard warranties with the bid response.**

4.13.1 RAISED ROOF VANS – WARRANTY

The following warranty terms shall be considered the minimum. Standard warranty terms that exceed these requirements shall apply.

- OEM complete chassis bumper to bumper standard warranty of three (3) years/36,000 miles.
- Powertrain Warranty of five (5) Years/60,000 miles covering the engine, transmission, and driveline.
- Chassis manufacturer battery warranty shall apply
- OEM chassis corrosion warranty of five (5) years/unlimited miles
- Alterer's standard warranty shall apply.
- Wheelchair/mobility Aid Lift and related components shall have a warranty of five (5) years/unlimited miles.
- The air conditioning system and related components that are not a part of the OEM chassis or body shall have a warranty of two (2) years/unlimited miles.
- The tires will have a warranty with a minimum of 50,000 miles of tread life.

4.13.2 LIGHT TRANSIT VEHICLES – WARRANTY

The following warranty terms shall be considered the minimum. Standard warranty terms that exceed these requirements shall apply.

- Chassis manufacturer Bumper to Bumper standard warranty of three (3) years/36,000 miles.
- Chassis manufacturer's Powertrain warranty of five (5) years/60,000 miles.
- Chassis manufacturer's battery warranty shall apply.
- Chassis manufacturer's Corrosion warranty of five (5) years/ unlimited miles shall apply.
- The Secondary Manufacturer, Body Conversion bumper to bumper warranty shall be a minimum of three (3) years / 36,000 miles.
- The Secondary Manufacturer, Body Structure warranty, shall be a minimum of five (5) years/75,000 miles.

4.13.3 RAISED ROOF VANS AND LIGHT TRANSIT VEHICLES - WORKMANSHIP

Workmanship throughout the vehicle shall conform to the highest standard of commercial accepted practice for the class of work and shall result in a neat and finished appearance free of any defects. The design of the body and equipment which the manufacturer proposes to furnish must be done in such a way, to provide a vehicle of substantial and durable construction in all respects. Welding procedures, welding materials, and qualifications of operators shall be in accordance with standards of the American Society of Testing Materials and the American Welding Society. All welds visible to the public shall be ground smooth after the welding to present a smooth appearance.

All parts shall be newly manufactured and in no case be used; reconditioned or obsolete parts will not be accepted. All hoses supplied in assembling the unit described in these specifications shall have temperature and pressure ratings more than maximum operating conditions.

By submitting and signing this bid, the Vendor hereby certifies to NCDOT that the Manufacturer and Alterer have taken all necessary precautions to ensure that no counterfeit, mismarked or substandard fasteners are used in the construction of the vehicle. All exposed metal surfaces, as part of the alteration process, shall be painted or shall be corrosion resistant. All interior wirings shall be concealed. If any vehicle is delivered incomplete or contains any defective or damaged parts, said parts shall be removed and new parts shall be furnished. The new parts furnished including transportation charges, labor for removal and installation of said parts, shall be free at all costs to DOT or the agency using vehicles.

The vehicle shall conform in all respects to the applicable Motor Vehicle Laws of the State of North Carolina and comply with all applicable Federal Motor Vehicle Safety Standards and Procedures of the U.S. Department of Transportation (See ATTACHMENT R: FMVSS REQUIREMENTS).

Any requirements for vehicles to be changed in accordance with modifications or changes in state or Federal Motor Vehicle Laws during the course of the contract shall require the Vendor to notify the NCDOT of necessary modifications.

It shall be the vendor's responsibility or their representative to decide and/or transport the vehicle for any repairs necessary to meet the required specifications. If vehicle cannot be repaired or corrections made within a reasonable time, non-compliance with specifications shall be concluded. Upon concurrence by NCDOT personnel, refusal of acceptance shall be issued, and the vehicle shall be collected by the vendor.

4.14 DESCRIPTIVE LITERATURE

Each bid shall be accompanied by complete descriptive literature, specifications, certifications, and all other pertinent data necessary for thorough evaluation of the item(s) offered and sufficient to determine compliance of the item(s) with the specifications. Failure to include such information with the bid response shall be a sufficient basis for rejection of the bid.

4.15 LIST OF MANUFACTURER'S STANDARD EQUIPMENT

Each bid shall be accompanied by a list of the equipment listed as standard in the manufacturer's published literature at the time of bid opening for the vehicle offered. This list forms a part of the contract and may be incorporated into the contract certification and used in the acceptance inspections of the vehicles. Bids not complying with this will be subject to rejection.

4.16 SCHEMATICS AND PART LISTS

Vendors shall provide schematics, part lists, and other documentation within **five (5) business days** after delivery of the vehicle, or after a request is made by the State. The Department agrees not to divulge any proprietary information in the schematics, part lists, and other documentation upon request from the Vendor. Failure to provide this documentation by the requested time may result in contract termination.

4.17 AVAILABILITY OF SPARE PARTS

The Vendor hereby guarantees to provide, for a period of at least seven (7) years after the date of acceptance, the spare parts, software and all equipment necessary to maintain and repair the buses supplied under this Contract, unless the Contract includes an exception. The Vendor shall guarantee delivery of spare parts within a reasonable time to be agreed upon between the Agency and the Vendor. In their response to an agency order, Vendors may request an exception (1) for parts for which the Agency specified a brand name, Vendor requested an approved equal, and the Agency denied approval; and (2) for parts where the Agency's specification is a sole-source specification, Vendor requested an approved equal or modification, and Agency denied the request. Parts shall be interchangeable with the original equipment and shall be manufactured in accordance with the quality assurance provisions of this Contract. Prices shall not exceed the Vendor's published catalog prices.

4.18 INTELLECTUAL PROPERTY AND DATA RIGHTS

The agency shall have a perpetual, royalty-free, non-exclusive, irrevocable license to reproduce, publish, or otherwise use (and authorize others to use) all specifications, engineering drawings, technical data, manuals, and other documentation provided under this contract for the purposes of operating and maintaining the vehicles.

Proprietary information provided by the Vendor shall be clearly marked as such and will be fully protected from disclosure of the law.

The agency shall not be restricted in its use of data necessary for operation, maintenance, or modification of the vehicles for agency purposes.

4.19 MODEL YEAR CHANGES DURING THE CONTRACT PERIOD

Vendor shall be required to provide, in writing, a thirty (30) day notice prior to a cutoff date for ordering vehicles of the current model year. The new model year vehicle shall have substantially the same or better configuration and capability.

4.20 HUB PARTICIPATION

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

4.21 OPTIONAL MAINTENANCE SERVICE AND SUPPORT

Following expiration of the above warranty, Vendor, or its third-party service provider, may provide an optional maintenance and service program. **Vendors should fully define the optional service offering in a separate document and attach the document to the completed IFB. Vendor should provide pricing for the service offering in ATTACHMENT A: PRICING.**

4.22 DEMONSTRATION

The State reserves the right to require a demonstration of the exact model of equipment offered to assess suitability of the equipment offered for the intended use. Such demonstration shall be performed at Procurement Agency's facility or virtually by Vendor or his authorized representative before award of the 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 a demonstration will be considered in the evaluation and award of a contract.

4.23 REFERENCES

Vendors shall provide at least three (3) references, 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 the 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 VENDOR'S REPRESENTATIONS

If the bid results in an award, Vendor agrees that it will not enter any agreement with a third party that may abridge any rights of the State under the Contract. If any Services, deliverables, functions, or responsibilities not specifically described in this solicitation are required for Vendor's proper performance, provision and delivery of the Service and deliverables under a resulting Contract, or are an inherent part of or necessary sub-task included within such service, they will be deemed to be implied by and included within the scope of the contract to the same extent and in the same manner as if specifically described in the Contract. Unless otherwise expressly provided herein, Vendor will furnish all 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.

4.25 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 not prohibited by any contract, or order by any court of competent jurisdiction

Each Vendor shall certify that 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.

4.26 AGENCY INSURANCE REQUIREMENTS MODIFICATION

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

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

It shall be the Vendor's responsibility to carry the appropriate amount of insurance coverage for the vehicle while in transport and up to the time the vehicle is delivered to the transit system's site.

4.27 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.

4.28 SUBCONTRACTORS

No portion of the work shall be subcontracted without prior written consent of the State. In the event that the Vendor desires to subcontract some part of the work specified herein, the Vendor shall furnish with their bid the names, qualifications, and experience of their proposed subcontractors. The Vendor shall, however, remain solely and fully liable and responsible for the work done by its subcontractor(s) and shall assure compliance with all the requirements and specifications of the contract.

4.29 SECRETARY OF STATE REGISTRATION

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.

Prior to entering into a contract with the State, the awarded Vendor(s), if unregistered, must complete registration with the NC Secretary of State. Upon notification of award, the selected Vendor(s) must furnish evidence of filing within ten (10) business days. Failure to provide this documentation may result in the disqualification of the Vendor(s) bid from further consideration for the award.

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

No purchase orders shall be issued prior to confirmation of completed registration with the Secretary of State.

4.30 SUSTAINABILITY 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.

5.0 PRODUCT SPECIFICATIONS

5.1 SPECIFICATIONS

The specifications herein describe vehicles that shall be newly manufactured, not a demo type, with no concealed damages, (unused) 2026 or newer model year production and equivalent in style, quantity, and appointments to those offered to the public.

REFER TO APPENDIX A FOR DETAILED RAISED ROOF VEHICLE SPECIFICATIONS.

REFER TO APPENDIX B FOR DETAILED LIGHT TRANSIT VEHICLE SPECIFICATIONS.

REFER TO APPENDIX C FOR DETAILED ELECTRIC VEHICLE SPECIFICATIONS.

The vehicles shall be supplied with all equipment and accessories indicated as standard equipment in the manufacturer's published literature, except for those accessories and equipment where furnishing such would conflict with a specific requirement otherwise called for herein. In such cases, the specific requirement herein takes precedence. Optional equipment as necessary to meet the specifications shall also be installed. Per section 4.1 Pricing, all such equipment shall be included in the bid price for each line item.

It is possible that an item which is standard for the manufacturer may be listed in the option section in this IFB. In these cases, in accordance with the above paragraph, it is required that Vendor still furnish such standard equipment in the base vehicle price; Vendor is not to deduct this equipment from base vehicle offered herein in order to furnish and price it as an option(s). Such standard equipment deducted from the base vehicle by Vendor and priced herein as an option shall still be furnished with the base vehicle at the base vehicle price offered. All such equipment may be checked by the state using the manufacturer's data book or other published literature as necessary.

All parts, accessories, and equipment specified herein are to be manufacturer's original equipment (unless otherwise specified) and are to be furnished and installed by the manufacturer. Those items furnished by the manufacturer but normally shipped loose for dealer installation, such as wheel covers, certain bulbs, antennas, license plate brackets, and certain clock installations, are exempted from the requirement to be manufacturer installed (but they still must be manufacturer furnished).

Any equipment which is vendor-furnished (when allowed in IFB) is to be fully compatible with the specific vehicle on which it is furnished. In addition, such equipment is to be typical of best industry practices with respect to quality, size, color, material, construction, and any other applicable characteristics. Final approval of vendor-furnished equipment is to be by the State (or by non-state agency if such is buyer), using the above criteria, at the time of delivery or before such equipment is ordered by the vendor, whichever is more appropriate.

5.2 CERTIFICATION AND SAFETY LABELS

All manufactured items and/or fabricated assemblies subject to operation under pressure, operation by connection to an electric source, or operation involving a connection to a manufactured, natural, or LP gas source shall be constructed and approved in a manner acceptable to the appropriate state inspector which customarily requires the label or re-examination listing or identification marking of the appropriate safety standard organization; such as the American Society of Mechanical Engineers for pressure vessels; the Underwriters Laboratories and /or National Electrical Manufacturers' Association for electrically operated assemblies; or the American Gas Association for gas operated assemblies, where such approvals of listings have been established for the type of device offered and furnished. Further, all items furnished shall meet all requirements of the Occupational Safety and Health Act (OSHA), and state and federal requirements relating to clean air and water pollution.

In addition to specifications, lift and all related equipment shall be designed, built attached and operated in accordance with all applicable safety codes and design standards. Some examples of these applicable codes and standards are:

- a. Society of Automotive Engineers (electrical components and wiring, hydraulic components, fasteners).
- b. American National Standards Institute (chain drive and wire rope components).
- c. American Welding Society (welding code and recommended practices).

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 detail on an attached sheet. 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.

NCDOT Contract Administrator: Charmane Bess

(919) 707-2640

cbess@ncdot.gov

NCDOT Contract Manager: Blair Chambers

919-707-4693

tbchambers@ncdot.gov

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:	
Office Phone #:	
Mobile Phone #:	
Email:	

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 concerning invoice, order placement, and delivery.

Customer Service Point of Contact	
Name:	
Office Phone #:	
Mobile Phone #:	
Email:	

6.2 POST AWARD BUSINESS REVIEW MEETINGS

The Vendor, at the request of the State, may be required to meet periodically with the State for Project Review meetings. The purpose of these meetings will be to review project progress, reports, 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.

6.3 CONTINUOUS IMPROVEMENT

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

6.4 PERIODIC QUARTERLY REPORTS

The Vendor will be required to provide Vehicle Delivery Status Management Reports to Chris Dodson, Procurement Officer at cbdodson@ncdot.gov on a quarterly basis. This report shall include, at a minimum, information concerning the status of outstanding vehicle deliveries for transit systems denoted in ATTACHMENT S: ELIGIBLE NCDOT INTEGRATED MOBILITY DIVISION GRANT RECIPIENTS. These reports should be well organized and easy to read. Vendor shall submit these reports electronically using the format required by the Purchasing Agency. The Vendor is required to submit the reports in a timely manner and on a regular schedule as agreed by the parties.

6.5 ACCEPTANCE OF WORK

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

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

6.6 VEHICLE ACCEPTANCE AND INSPECTION

Vehicle inspection and acceptance shall be handled by NCDOT, Individual Transportation System, or another agency within five (5) business days of delivery to ensure proper compliance with specifications. NCDOT recipients of grant funding will be placing orders directly with Vendors. These grant recipients will be certifying to NCDOT the grant funds they receive through the Department for purchasing vehicles must be reissued in a check to the Vendor within three (3) days of receipt from NCDOT.

At the discretion of NCDOT, staff members may conduct random inspections at one of the delivery points and may request up to five (5) business days to conduct these inspections.

Vendor shall forward "paperwork", i.e., MCO, title application, and invoice prior to delivery of vehicle. This will enable the transportation systems to prepare their request for reimbursement from NCDOT in advance, which will help and expedite payment to Vendor once the vehicle is delivered and accepted.

NCDOT or the State reserves the right to inspect the vehicles during production and at a final point of assembly, prior to delivery.

6.7 INVOICES

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

6.8 DISPUTE RESOLUTION

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

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

6.9 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.

6.10 PRICE ADJUSTMENTS

The price of each vehicle and related contract items shall be subject to adjustment based on changes in the U.S. Department of Labor's Producer Price Index (PPI) for Truck and Bus Bodies (Series No. 1413), or, if such index is discontinued, a comparable replacement index as agreed by both parties.

The adjustment shall be calculated as follows:

- The base price shall be the unit price in Attachment A: PRICING at the time of contract award.
- The adjusted price shall be the base price multiplied by the ratio of the latest PPI published to the PPI as of the contract award date. The adjusted price of each vehicle or group of vehicles shall be the base price in the Price Schedule at the time of contract award increased by the lesser of (a) the maximum escalation multiplier; or (b) the ratio of the last preliminary price index published before the first vehicle is scheduled to be placed on the production line, according to a schedule mutually agreed by the parties and divided by the price index as of the award of the Contract.
- The maximum escalation multiplier shall not exceed a maximum escalation rate of 4% per year, unless otherwise agreed in writing.
- If the PPI decreases during the adjustment period, the contract price shall be reduced accordingly (de-escalation).
- If the Vendor fails to comply with the price and pricing provisions above, the prior year pricing for each vehicle will remain in place and not restrain NCDOT or its agencies from purchasing new vehicles.
- If the model year change for a specific vehicle occurs during the contract period, the vehicle of the new model year shall be provided at the same current contract price after written notification by the Vendor at least thirty (30) calendar days in advance of the scheduled date for such model year changeover. Such notification shall be accompanied by the manufacturer's specification updates for the vehicle of the new model year and the current MSRP for options.

Vendor shall provide documentation of the applicable PPI values used in the calculation with each request for price adjustment. All price adjustments must be approved by NCDOT. .

Example Calculation:

Adjusted Price = Base Price × (PPI at Adjustment Date ÷ PPI at Award Date)

NCDOT reserves the right to audit all price adjustment calculations and supporting documentation.

All pricing changes will be reviewed for compliance and feasibility on an annual basis. If the Vendor is found to be in non-compliance with these guidelines, they can be removed by NCDOT from the contract for cause at any time.

6.10.1 Adjustment for Extraordinary Trade Measures

Scope of Adjustment: Notwithstanding any pricing adjustments tied to the PPI Index under Section [6.9], the Parties agree that the Contract Price may be further adjusted to account for any new or increased "Extraordinary Trade Measures." These include, but are not limited to, customs duties, tariffs, or border taxes imposed by a governmental authority (e.g., Section 231 or 301 tariffs of the Standard Bus Procurement Guidelines) that directly affect the cost of the Goods or the raw materials integrated therein.

Requirements for Evidence: To trigger an adjustment under this clause, the Vendor must provide the Agency with a written "Tariff Impact Notice" containing the following documentary evidence:

- **Proof of Imposition:** Official government documentation identifying the specific HS (Harmonized System) code(s) subject to the new or increased tariff.
- **Cost Breakdown:** A "but-for" cost analysis demonstrating the difference between the landed cost of the material prior to the tariff and the cost after the tariff.
- **Traceability:** Documentation (such as Bills of Lading or Invoices) proving that the specific materials used in the Agency's order were subject to the tariff in question.

Limitation of Increase: Any price adjustment under this Section shall be limited to the **direct, net increase** in cost incurred by the Vendor. The Vendor shall not apply any overhead, margin, or markup to the tariff-related cost increase.

Downward Adjustments: In the event that any Tariff is reduced, eliminated, or no longer applicable, the Contract Price shall be adjusted downward accordingly.

Mitigation Obligation: Before any price adjustment is finalized, the Vendor shall demonstrate that it has made commercially reasonable efforts to mitigate the impact of the tariff (e.g., seeking alternative sources of supply or duty drawbacks).

Timing of Change: Any relevant price adjustments under this Section shall be applied at the same time as the PPI price adjustment is made.

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. Amendments to the contract can only be made through the contract administrator.

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APPENDIX A: RAISED ROOF VAN SPECIFICATIONS (MINIMUM SPECIFICATIONS)

Specifications	Product/Service Offered Meets Specification
1.0 CHASSIS	
1.1 General	
1.1.1 Vehicle chassis shall meet all applicable SAE and FMVSS requirements.	☐ YES ☐ NO
1.2 Dimensions (approximate minimums):	
1.2.1 Wheelbase - 130"	W.B. _____
1.2.2 Overall height – 99"	O.H. _____
1.2.3 Overall length – 217"	O.L. _____
1.2.4 Inside height - 67"	I.H. _____
1.3 Engine (Diesel)	
State displacement and power ratings in reply	Engine offered: _____
1.4 Cooling System	
1.4.1 OEM largest, heavy-duty radiator with maximum capacity available. System must be adequate to prevent engine overheating while operating in stop and go transit operation at ambient temperatures as high as 110°F. and provide protection to -30°F.	Capacity: _____ Quarts.
1.5 Transmission	
1.5.1 OEM automatic transmission (include type in reply)	☐ YES ☐ NO Type: _____
1.5.2 OEM auxiliary transmission oil-to-air cooling system.	☐ YES ☐ NO
1.5.3 Dip stick and add oil filler tube shall be easily identifiable and accessible.	☐ YES ☐ NO
1.6 Steering	
1.6.1 OEM power steering.	☐ YES ☐ NO
1.6.2 Reservoir shall be easily identifiable and accessible.	☐ YES ☐ NO
1.6.3 OEM tilt wheel and speed control with dual horns.	☐ YES ☐ NO
1.6.4 Speed and dual horn controls incorporated	☐ YES ☐ NO
1.7 Gross Vehicle Weight Rating (GVWR)	

Specifications	Product/Service Offered Meets Specification
1.7.1 Minimum 8,550 lbs.	GVWR offered: _____ lbs.
1.8 Axles	
1.8.1 Front: Shall be satisfactory for GVWR	Front _____ lbs.
1.8.2 Rear: Shall be satisfactory for GVWR.	Rear _____ lbs.
1.8.3 Gear Ratio: Shall be equipped with a gear ratio to provide 52 to 65 MPH road speed.	Ratio offered: _____
1.8.4 Limited slip differential (OEM) shall be provided if available from the manufacturer.	☐ YES ☐ NO
1.8.5 Rear Tow Hooks shall be included on the frame if available.	☐ YES ☐ NO
1.9 Suspension System	
1.9.1 Shock Absorbers shall be extra heavy duty and load rated, capable of controlling the ride when empty, as well as when loaded to the GVW.	Type: _____
1.9.2 Suspension system shall be heavy duty and load rated for the GVW of the vehicle.	Type: _____
1.9.3 Rear springs shall be leaf springs or air bellows.	☐ YES ☐ NO
1.9.4 Front stabilizer bar required.	☐ YES ☐ NO
1.9.5 Roll Stability Control or approved equal is required.	☐ YES ☐ NO
1.10 Wheels and Tires	
1.10.1 Wheel rims shall be manufacturer's standard for the rated GVWR (minimum 16").	Size offered: _____
1.10.2 Tires - Four (4) Steel-belted or six (6) for dual tire rear axle all-season radial, to meet GVWR. All tires shall be the same make or brand, mounted, and balanced. Full size spare tires should be provided on the vehicle at the time of delivery.	Tire size offered: _____ Full size spare: ☐ YES ☐ NO
1.10.3 Wheel cover -set of 4, for above listed tires.	Type offered: _____
1.11 Electrical	
1.11.1 A dual battery system shall be installed that is from the manufacturer with a minimum of 1,300 c.c.a., 12-volt,	Battery size: _____ cca

Specifications	Product/Service Offered Meets Specification
maintenance free type with 120-minute reserve power and appropriate wiring or cables to carry load.	
1.11.2 Alternator shall be the maximum available from the manufacturer with a minimum of 220 amp. with appropriate wiring to carry load.	Alternator size: _____ amp.
1.11.3 Voltage regulator shall be a 12-volt system, solid state, and compatible with the alternator.	☐ YES ☐ NO
1.11.4 Wiring shall be TXL insulated or approved equal. All wiring shall be color coded for identification. All wiring shall be run inside the body in a protected area. Any wiring that is exposed to the elements shall be in nonmetallic loom and securely clipped for maximum protection. Clips shall be rubber or plastic coated to prevent their cutting through the wiring insulation. Protective grommets shall be installed at all points where wiring penetrates metal and other materials. Circuit Breakers and electrical panels shall be in easily accessible locations. A separate panel for all add-on components shall be located in an accessible area inside the vehicle The Vendor is required to provide a complete, legible wiring diagram showing the original wiring and the added wiring for the vehicle A clear copy of the wiring diagram is to be made available in the service manual, and a copy mounted at a location convenient for service personnel. No lock wire connectors will be allowed insulated stake-on spade terminals or approved equal shall be used. Grounding of components shall be through polarized shielded terminals wired to main structural ground points. All exterior connections shall be covered with heat shrink tubing	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
1.11.5 Between the main electrical panel and the overhead storage bin above driver there will be 1 ½" conduit (minimum) installed in order to ease the wiring installation of add-ons such as AVL/MDC units or DVR unit for the surveillance cameras.	☐ YES ☐ NO
1.11.6 All accessories and electrical equipment except head and parking lights, emergency flashers, and wheelchair lift shall be	☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
wired through the vehicle ignition switch so as to be operative only with switch in ON or ACCESSORY position.	
1.11.7 A backup alarm shall be provided that follows SAE J994b with respect to acoustic performance for a Type B device; emitting at least 97db and with a supply voltage of 12 volts.	Brand offered: _____ Model: _____ Decibels: _____
1.11.8 Power wire to lift shall be securely clamped and protected with an in-line circuit breaker with manual reset provided to lift.	☐ YES ☐ NO
1.11.9 Two-way radio provision. Wiring to accommodate a two-way radio and antenna shall be installed in the vehicle. A 12-volt DC supply shall be used. This provision shall include all necessary wiring, grounding lines, cable lines, reinforcement plates, etc. to make this item complete and functional. Location of cabling for antenna shall be determined by using agency.	☐ YES ☐ NO
1.11.10 Pre-wiring locations for Camera Surveillance System. <u>Vans w/o lifts</u> Driver & Passengers Passenger Entry Door Windshield <u>Vans with lifts</u> Driver & Passengers Lift Passenger Entry Door Windshield	<u>Vans w/o lifts</u> ☐ YES ☐ NO <u>Vans with lifts</u> ☐ YES ☐ NO
1.11.11 Daytime running lights (OEM)	☐ YES ☐ NO
1.12 Fuel tank	
1.12.1 25-gallon capacity minimum.	Capacity _____ gal.
1.13 Brakes	
1.13.1 Brakes shall be heavy duty system, hydraulic, self-adjusting, power assisted, disc, anti-lock brakes (ABS). The manufacturer's recommended maximum shall be provided.	☐ YES ☐ NO
1.14 Drive Shaft	
1.14.1 Shall be rated capable of transmitting the torque multiplication of the power units to the drive wheels. Safety guards are required as necessary to prevent a broken shaft from touching the ground or contacting any brake lines.	☐ YES ☐ NO
2.0 BODY	
2.1 General	

Specifications	Product/Service Offered Meets Specification
2.1.1 Unibody raised roof van shall meet all stated specifications. The vehicle shall meet the structural integrity of the stated van that is not degraded.	☐ YES ☐ NO
2.1.2 Vehicles shall meet all applicable requirements of the Americans with Disabilities Act (ADA) as set forth in 49 CFR 37 (revised 10/1/2007) and 38, issued 9/6/91; and 49 CFR 571, FMVSS 403 (amended 5/17/12) and 404 (amended 11/3/25), with respect to the body structure.	☐ YES ☐ NO
2.2 Raised Roof	
2.2.1 The raised roof shall be part of a unitized body constructed OEM vehicle.	☐ YES ☐ NO
2.2.2 Minimum of 67" center aisle height.	Ht. offered _____
2.2.3 The mid roof option shall be the minimum roof option available.	☐ YES ☐ NO
2.3 Passenger Entrance Door	
2.3.1 The vehicle shall retain the OEM passenger sliding door as the passenger entry door (right side of vehicle).	☐ YES ☐ NO Entry height _____ Width of door _____
2.3.2 A grab rail or stanchion shall be mounted just inside the door, on each side to provide additional support while boarding and alighting. Location to be approved prior to first vehicle order.	☐ YES ☐ NO
2.3.3 Rail shall be a minimum of 1-1/4" in diameter.	☐ YES ☐ NO
2.3.4 When the entry door is open, a light shall provide at least 2 foot-candles of illumination on the street surface for a distance of 3 feet from all points on the bottom step tread. Such light shall be located below window level and shielded to protect the eyes of entering and exiting passengers. Location to be approved at pilot model review.	☐ YES ☐ NO Location: _____
2.4 Passenger Entry Door Opener	
2.4.1 The OEM passenger sliding door shall be provided with an electronic remote opener to open, close, and lock the door.	Mfr: _____ Model no. _____
2.4.2 The remote may be on the same frequency as the keyless remote as required in 3.14.8.	☐ YES ☐ NO
2.5 Passenger Entry Sidestep	

Specifications	Product/Service Offered Meets Specification
2.5.1 The passenger entry door shall have a sidestep under the sliding door that shall be the length of door opening, approximately 51" in length directly below the doorstep. It shall be a minimum of 12" in width and have a height of approximately 11" from the top of the step to the ground.	☐ YES ☐ NO Dimensions: _____ Height from ground: _____
2.5.2 The step shall be rattle-free and made of one-piece construction. The step shall be constructed of diamond tread aluminum and incorporate 1.25" angle bracket supports. The step shall be finished to provide a slip-resistant surface. Indicate method used to provide non-slip step. The step shall be appropriately braced and secured to the van and be capable of supporting a minimum of 500 pounds.	Gauge steel: _____ Load capacity of step: _____ lbs. Braces provided: _____
2.5.3 Entire surface of step and mounting apparatus shall be properly treated with an anti-corrosion sealant to prevent rust. Step edge shall have a band of yellow running the full length of the outer portion of the step. The addition of the step shall not degrade the integrity of the van.	Anti-corrosion sealant _____ ☐ YES ☐ NO ☐ YES ☐ NO
2.5.4 Step area shall have, when the door is open, at least 2 foot-candles of illumination, measured on the step tread. Light shall illuminate when the engine is engaged or not. Location to be approved at pilot model review.	☐ YES ☐ NO ☐ YES ☐ NO Location: _____
2.6 Front Passenger and Driver Sidestep	
2.6.1 Front passenger and Driver sidestep. The step shall be mounted on each side at front entries. The step shall extend approximately 23" in length directly below the doorstep. It shall be a minimum of 12" in width and have a height of approximately 11" from the top of step to the ground.	☐ YES ☐ NO Dimensions: _____ Height from ground: _____

Specifications	Product/Service Offered Meets Specification
2.6.2 The step shall be rattle free and made of one-piece construction. The step shall be constructed of diamond tread aluminum and incorporate 1.25" angle bracket supports. The step shall be finished to provide a slip-resistant surface. Indicate method used to provide non-slip step. The step shall be appropriately braced and secured to the van and be capable of supporting a minimum of 500 pounds.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO Load capacity of step: _____ lbs. Braces provided: _____ Gauge steel: _____
2.6.3 Entire surface of step and mounting apparatus shall be properly treated with an anti-corrosion sealant to prevent rust. The addition of the step shall not degrade the integrity of the van.	Anti-corrosion sealant _____ ☐ YES ☐ NO
2.7 Windows	
2.7.1. OEM power standard windows in the OEM front doors on the van shall be retained. The windshield shall be OEM safety tinted type.	☐ YES ☐ NO ☐ YES ☐ NO
2.7.2 OEM all window van is acceptable provided some windows can be vented or "flip-opened".	☐ YES ☐ NO
2.7.3 All windows shall be fitted with durable firmly installed weather seals to prevent the entrance of air and water, including spray from commercial vehicle wash equipment, and driving rain. Materials used for weather seals shall be designed to withstand varying temperature extremes, road splashed salt and other exterior elements without cracking, leaking, loosening, or deteriorating. Water leak tests shall be applied to all vehicles.	☐ YES ☐ NO ☐ YES ☐ NO Type of water leak testing: _____
2.7.4 All windows, except windshield and front doors, shall be tinted with OEM privacy glass.	Type of tint offered: _____

Specifications	Product/Service Offered Meets Specification
2.7.5 All windows (including windshield) and tinting shall meet all applicable Federal and State Motor Vehicle Safety Standards (FMVSS).	☐ YES ☐ NO
2.8 Rear Doors (when not used as lift access)	
2.8.1 OEM rear van doors should be retained except when modifications are required for lift access (section 4.8). The rear doors shall be dual, double-hinged swing-out doors.	☐ YES ☐ NO ☐ YES ☐ NO
2.8.2 Rear doors shall be easily operable from the inside with easily accessible door locks provided when not used as lift access.	☐ YES ☐ NO
2.8.3 Rear door alarm system available only on vans without lift with rear door access. Audible warning signal will sound if an attempt is made to open the rear door.	☐ YES ☐ NO
2.9 Roof Ventilator/Emergency Exit	
2.9.1 A dual purpose manually operated roof ventilator/emergency exit shall be installed in the raised roof of the vehicle at approximately the center of the passenger compartment. Specialty Manufacturing, Inc. /TRANSPEC model 1075 or approved equal is preferred. The hatch shall be 23"x 23" minimum and shall be installed so that when it is open and the vehicle is in a forward motion, fresh air will circulate in the vehicle. The hatch shall meet all applicable federal safety requirements.	☐ YES ☐ NO Mfr.: _____ Model no. _____ Size hatch offered: _____ ☐ YES ☐ NO
2.9.2 The roof hatch shall be properly sealed according to manufacturer's recommendations. Water leak tests shall be conducted on all vans.	☐ YES ☐ NO ☐ YES ☐ NO
2.10 Bumpers	
2.10.1 OEM front and rear bumpers shall be provided.	☐ YES ☐ NO
2.11 Exterior Lighting	
2.11.1 Exterior lighting shall meet all state and federal regulations. LED lights are required for use throughout the exterior of the vehicle.	☐ YES ☐ NO
2.11.2 Lighting requirements for the passenger entry and lift door areas must meet ADA requirements. See specifications 2.3.4 and 4.8.3.	☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
2.12 Exterior Mirrors	
2.12.1 OEM dual power control, heated, outside, black matte finish, or stainless-steel mirrors shall be provided.	☐ YES ☐ NO
2.12.2 OEM mirrors with convex proportions shall be provided.	☐ YES ☐ NO
2.13 Finishing Procedures	
2.13.1 All bolts shall be treated with lock tight on the entire vehicle.	☐ YES ☐ NO
2.13.2 Exposed bolts on the underside of bench seats shall have protective measures to prevent passenger injury.	☐ YES ☐ NO
2.13.3 All screws shall be fastened securely into panels on the vehicle that will not jar loose.	☐ YES ☐ NO
2.13.4 All bare metal components shall be prepped with acrylic enamel paint to match the vehicle. PPG paint products shall be provided or equivalent. All welded areas should have particular attention.	☐ YES ☐ NO ☐ YES ☐ NO
2.14 Exterior Protection	
2.14.1 Rust protection shall be provided on the vehicle, following approved conversion guidelines in compliance with the Qualified Vehicle Modifier (QVM program) in section 4.7. This is not to be confused with the OEM manufacturer's corrosion warranty, nor shall the rustproofing jeopardize the corrosion warranty coverage. Literature and warranty certification are required to be provided with each vehicle.	☐ YES ☐ NO
2.14.2 The entire underside of the vehicle body, including the undersides of fenders, shall be coated with a fire-resistant asphalt base rubber sealant, in order to seal, deaden sound, insulate, and prevent oxidation. The application of undercoating shall follow approved conversion guidelines in compliance with the QVM program and not jeopardize the corrosion warranty from the chassis manufacturer.	☐ YES ☐ NO ☐ YES ☐ NO
2.15 Exterior Color and Decals	
2.15.1 Vehicles provided during this contract period shall be the manufacturer's standard WHITE exterior, unless an optional color is ordered. See Attachment A for a list of colors that are available as standard upon request.	☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
2.15.2 Any metal body extensions shall match van body OEM standard paint colors, unless specifically identified in bid.	☐ YES ☐ NO
2.15.3 The transit entry door shall match the van body OEM standard paint color.	☐ YES ☐ NO
2.15.4 Vendor/Dealer Decal Advertisements: Vehicle manufacturer may have brand name on vehicle, i.e., Ford XXX, Chevrolet XXX. Authorized dealers of the vehicle manufacturers will not be permitted to attach their decals/advertisement, of any type, to the vehicle either inside of outside. Authorized Alterer may attach one (1) decal of a size no larger than 3"x5" to the rear door. No other vendor decals/advertisement will be permitted elsewhere on the van, inside or outside. No vendor printed license plates will be permitted. No vendor decals will be permitted to cover holes on the interior or exterior of the van. A sticker giving lift operation instructions shall be mounted on the inside of the rear door when there is a rear lift. The international lift symbol shall be attached to the lift door but no larger than 5"x7".	☐ YES ☐ NO
3.0 INTERIOR	
3.1 General	
3.1.1 Interior finish shall be completed in a highly professional manner. Interior colors shall be color-coordinated and complimentary to the van's exterior color.	☐ YES ☐ NO ☐ YES ☐ NO
3.1.2 All sharp edges, sharp corners, and/or protrusions shall be eliminated for safety reasons. Any fastenings or other objects that can catch a passenger's clothing or cause injury shall not be permitted. No abrasions, marks or cuts will be acceptable on any of the interior walls or seats.	☐ YES ☐ NO
3.1.3 Vehicles shall meet all applicable requirements of the Americans with Disabilities Act (ADA) as set forth in 49 CFR 37 (revised 10/1/2007) and 38, issued 9/6/91; and 49 CFR 571; all applicable FMVSS requirements.	☐ YES ☐ NO
3.2 Paneling and Trim	
3.2.1 Interior paneling may be OEM or an after-market product. OEM interior panels shall be in a neutral color to coordinate with the van's white exterior color and is subject to all applicable FMVSS requirements.	OEM _____ After-Market _____ ☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
3.2.2 After-market interior fiberglass, ABS plastic panels, or approved equal, paneling may be used After-market interior fiberglass, ABS plastic panels, or approved equal, paneling shall be durable, heat and flame resistant, smooth finish and neutral in color. Side wall panels shall be flush without any gaps or uneven edges. Panels shall fit snugly around windows, sealed to prevent moisture. Contract-defined water tests must be conducted.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.2.3 If after-market interior finishing is provided, documentation is required to be provided with this bid. Documentation should include at a minimum, specification details regarding materials used, photos of finished interiors, and samples of materials used. All after-market interior finishing is subject to DOT approval.	☐ YES ☐ NO
3.2.4 All rivets, screws, snaps, etc. in paneling shall present a finished look. All joints in the interior paneling shall be covered by trim strips or molding. All joints in the interior paneling shall be covered by trim strips or molding. Lock tight shall be used on all bolts.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.2.5 All interior panels, materials and treatments shall be subject to FMVSS 302 and all other applicable FMVSS requirements. FMVSS applies to both OEM and after-market finishing. DOT reserves the right to have the manufacturer's test results and/or certifications submitted upon request	☐ YES ☐ NO
3.3 Insulation	
3.3.1 The vehicle body shall be fully insulated in the roof and all body panels, including all extended top and bottom door panels to deaden sound and reduce vibrations and heat transfers.	☐ YES ☐ NO
3.3.2. A minimum 1-1/2" thick blanket of fiberglass or other glass or other fire-resistant insulation material or OEM insulation package shall be provided in sidewalls.	Type insulation offered: _____ Thickness: _____
3.4 Flooring	

Specifications	Product/Service Offered Meets Specification
3.4.1 The subflooring shall be a minimum ¾" thick exterior A-C, marine grade, waterproof plywood, securely fastened to the understructure.	Thickness: _____ Grade of plywood: _____
3.4.2 The floor covering shall be wall-to-wall, one piece, fire resistant, slip-resistant, transit quality flooring securely bonded to the plywood floor with waterproof type adhesive. All edges in the floor covering shall be properly sealed. There shall be no bubbles or blisters in the floor covering.	☐ YES ☐ NO ☐ YES ☐ NO
3.4.3 Altro, Tarabus, 2.2 mm thick min. smooth vinyl flooring, or approved equal, shall be provided. This area may be black or dark gray. To aid the visually impaired, the aisle from rear to the passenger entry door shall be white. As stated in section 3.4.2, the covering shall be in one piece.	Brand: _____ Thickness: _____ Floor color: _____ Aisle color: _____
3.4.4 Step tread kit shall be provided at the edge of the stepwell or threshold and along the front edge of center aisle where the flooring meets the engine cover. The threshold shall have a yellow band running the full width of the edge. Plastic, fiberglass or FRP cove molding shall be firmly attached to the floor and conform closely to the floor, sidewalls, and wheel wells.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.4.5 A slip-resistant surface shall be provided in the step area of the driver, side, and rear door entrances.	☐ YES ☐ NO
3.4.6 Black or clear silicone caulking shall be used at all points where moisture may enter the flooring material.	☐ YES ☐ NO
3.5 Seating: Seating Arrangement Diagrams may be found in Appendix A	
3.5.1 Driver's seat shall be OEM deluxe high back, fully padded, contoured bucket type of heavy-duty construction with arm rest. The driver's seat shall be easily adjusted forward and backward without the use of tools. OEM unbelt restraint system is required. Cloth or vinyl upholstery shall be complimentary to the exterior of the vehicle and coordinated with the passenger seats. (Black upholstery shall not be provided.)	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.5.2 Freedman Go-ES seating, or approved equal, shall be provided for seating in the vehicles. OEM or approved equal seating may	Brand of seats provided: _____

Specifications	Product/Service Offered Meets Specification
be provided in appropriate areas if it meets all other specification requirements in 3.5. Documentation of compliance is required. All seating must be in compliance with the latest revision of FMVSS 208 and all other applicable FMVSS requirements. Bench seating shall be provided in single or double passenger sizes depending on seating configurations shown in attached drawings. Bench seats shall be securely fastened to the main support of the vehicle but must be removable. Forward-facing foldaway seats (single or doubles) shall be provided over wheelchair stations.	_____ ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.5.3 All seats shall be of heavy-duty construction with 1" 16 gauge reinforced tubular steel frames. All metal surfaces shall be chemically cleaned, iron phosphate, painted and baked to provide rugged, long lasting, rust resistant surfaces.	☐ YES ☐ NO ☐ YES ☐ NO
3.5.4 All seat backs should use a minimum of 16 gauge 1" x 16" steel straps, welded to the seat frame. All seat bottoms shall use a flexolator spring suspension system for even support.	☐ YES ☐ NO ☐ YES ☐ NO
3.5.5 Upholstery material shall be 36 oz./sq. yd. minimum, transit vinyl. Seats shall be color-keyed to the vehicle's interior panels and exterior color. Seat dimensions (minimums): Seat cushion depth - 16" Seat cushion width (per psgrs.) - 17" Padding - seat cushions/backs - 4"/1" Seat back height - 20" Floor to top of seat cushion - 15" Knee room - 11" Aisle width - 10"	Material offered: _____ _____ oz./sq. yd. Dimensions offered: Seat cushion depth _____" Seat cushion width _____" Pad-cushion/backs _____" Seat back height _____" Floor to top of seat _____" Knee room _____" Aisle width _____"
3.5.6 Foam padding shall be high density (4.5 pcf) non-deformable foam. Load bearing values in excess of 45ILD.	☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
3.5.7 Seating arrangement shall be equally spaced between rows.	☐ YES ☐ NO
3.5.8 Foldaway seats - shall meet the above seat requirements and dimensions except for seat back height, this may be a minimum of 17". When the seat is in stored position, the width shall not exceed 15". Foldaway seats shall also be color-keyed to the permanent passenger seats.	Brand of seats: _____ Dimensions: _____ ☐ YES ☐ NO
3.5.9 Grab bars shall be located on top of each permanent forward-facing seat, except the front driver seat and front passenger seat, foldaway seats, and bench seats at rear door.	☐ YES ☐ NO
3.5.10 All seating shall meet or exceed all applicable FMVSS requirements, including, but not limited to FMVSS 302, 207, and 208.	☐ YES ☐ NO
3.6 Passenger Restraint System	
3.6.1 All seating comes complete with integrated 3 pt. seat belts to be compliant with FMVSS 208 and all other applicable FMVSS regulations. Length of each belt needs to be sufficient to accommodate a very large adult approximately 112 inches (lap and shoulder combination).	☐ YES ☐ NO
3.6.2 One (1) seat belt extender shall be provided with each seat location in the vehicle. Must meet applicable FMVSS requirements.	☐ YES ☐ NO
3.6.3 Child Restraint Anchorage Systems (FMVSS 225) Tether anchors shall permit the attachment of a tether hook of a child seat system, be accessible without the need for any tools other than a screwdriver or a coin, be ready for use without the need of any tools.	☐ YES ☐ NO
3.6.4 Each vehicle having more than 2 forward-facing designated seating positions shall be equipped with a child restraint anchorage system at no fewer than 2 seating positions. At least one child restraint anchorage system shall be installed in a forward-facing designated seating position in a second row of any vehicle having more than 2 rows of seating if such position is available.	Indicate no. of seats that will have Child Anchorage System: Diagram 1 _____ Diagram 2 _____ Diagram 3 _____
3.7 Floor Plans Vendor to provide at least 3 distinct floor plans (at least 1 without a wheelchair station and at least 2 with wheelchair stations)	

Specifications	Product/Service Offered Meets Specification
3.7.1 Passenger seats shall be arranged such that the un-obstructed hip-to-knee room, measured at seat level shall be sufficient for each seated passenger. Provide seated hip-to-knee room measurement.	☐ YES ☐ NO Measurement _____ "
3.8 Interior Lighting	
3.8.1 The interior of the vehicle shall be adequately illuminated. Overhead lighting fixtures and courtesy lights shall be arranged in such a manner to provide lighting intensity at a reading level.	☐ YES ☐ NO ☐ YES ☐ NO
3.8.2 Adequate light shall be provided for the instrument panel, with intensity controlled by an instrument panel switch.	☐ YES ☐ NO
3.8.3 All door lights and the passenger entry door shall illuminate automatically when doors are opened. Entry light type and location shall be provided as to not be a hazard to boarding passengers. See specification 2.3.4 for location and further information.	☐ YES ☐ NO ☐ YES ☐ NO
3.8.4 If a lift is required, lighting shall be required to illuminate on the lift as well as on the street surface outside the lift door. See section 4.8 for specifications.	☐ YES ☐ NO
3.9 Instrument Panel, Dash, and other Controls	
3.9.1 Dash shall be color coordinated with interior trim color. Black will not be an acceptable color. Glove box with light and lock to be provided, if available.	☐ YES ☐ NO
3.9.2 Instrument panel and dash shall be equipped with the following OEM (except as noted) instruments, gauges, and controls. All controls and switches shall be within easy reach of the driver. No overhead switches or controls are permitted. Lights in lieu of gauges are not acceptable except as noted. Speedometer with odometer and trip odometer Oil pressure gauge Voltmeter Engine coolant temperature gauge Fuel gauge Upper beam head lamp indicator (light) Dual-note horn Directional signals (light) Parking brake on (light) Headlight switch Inside hood release	☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
Controls for heater, defroster, and air conditioner Auxiliary heater and air conditioner (after-market) Power outlets Standard OEM AM/FM radio w/digital clock & speakers Windshield wiper and washer – variable - intermittent Emergency flashers Wheelchair lift on/off toggle switch if lift is required	
3.9.3 OEM driver’s sun visor to be provided.	☐ YES ☐ NO
3.9.4 OEM driver’s air bag to be provided in steering wheel.	☐ YES ☐ NO
3.9.5 OEM front passenger air bag to be provided.	☐ YES ☐ NO
3.10 Priority Seating Sign	
3.10.1 Each vehicle shall contain a sign which indicates that the seats in the front of the vehicle are priority seats for people with disabilities.	☐ YES ☐ NO
3.10.2 Each wheelchair station location shall be designated as such.	☐ YES ☐ NO
3.10.3 The signs shall be in compliance with CFR 38, subpart 38.27 and the Appendix to same.	☐ YES ☐ NO
3.11 Heating and Cooling	
3.11.1 Front heater and defroster shall be OEM with the maximum BTU rating available.	☐ YES ☐ NO
3.11.2 Front, high capacity, air conditioning shall be provided. OEM in-dash unit shall be supplied with the maximum BTU rating available. The dash unit shall be separately controlled from any auxiliary system.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.11.3 An auxiliary rear air conditioning system shall be provided. The A/C shall be able to maintain an interior temperature of 73 degrees F, +/- 2degrees F, with a seated load of passengers when the ambient temperature is 95 degrees F with 60% relative humidity. OEM rear air is not acceptable.	☐ YES ☐ NO ☐ YES ☐ NO
3.11.4 A Lo-profile ceiling mounted rear A/C evaporator, Carrier/Trans Cold model EM-7(45,000 BTU) or approved equal shall be provided. A foam cushion may need to be permanently mounted on the entire bottom, including around the corners of Lo-profile a/c unit to provide protection against head injuries. (Provide literature on A/C offering)	A/C offered: _____ Model no. _____ BTUs _____

Specifications	Product/Service Offered Meets Specification
3.11.5 An auxiliary rear heater (50,000 BTU) shall be provided. The unit shall be able to achieve a 65-degree interior temperature with an empty van when the ambient temperature is zero degrees F. (Provide literature on rear heater offering)	☐ YES ☐ NO Model no. _____ BTUs _____
3.11.6 The auxiliary heater shall be placed toward the rear of the van, under seats, in a location to produce an even interior temperature. Auxiliary heater shall be shielded to prevent hot air from blowing onto passengers' legs.	☐ YES ☐ NO ☐ YES ☐ NO
3.11.7 There shall be a cut-off valve(s) to allow the water circulation to the heater to be shut off during hot weather. It should be located in an easily accessible location.	☐ YES ☐ NO
3.11.8 The passenger area air conditioning and heating shall be controlled separately from the front a/c and heat. The control switch shall be located at the front near the driver.	☐ YES ☐ NO ☐ YES ☐ NO
3.11.9 Air circulation shall be high volume with low velocity to provide draft-free comfort.	☐ YES ☐ NO
3.12 Stanchion and grab bars	
3.12.1 Stanchions and grab bars shall be of stainless steel and a minimum of 1-1/4" in diameter and padded. Padding shall be permanently bonded to stanchions and grab bars. All stanchions shall be mounted, floor to ceiling in structural members.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.12.2 Vertical stanchion bars shall be provided for both sides of the front passenger entrance. A grab bar shall extend from the left stanchion, rear edge of the stepwell, to the vehicle side wall at an appropriate height to provide passengers with some support while climbing the steps. A padded modesty panel shall be provided at the rear edge of the stepwell, under the grab bar. On side mounted lift vans, a modesty panel shall be provided at the rear side of the lift.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.12.3 Permanently bonded padded grab bars shall be located on top of each forward-facing permanent passenger seat.	☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
3.12.4 A passenger assist grab bar/stanchion shall be provided at the passenger entry door. See specification on entry door (2.3).	☐ YES ☐ NO
3.12.5 Driver's and front passenger door grab bars - OEM grab bar if possible. 1" stainless steel. Grab handle to be a minimum of 10 inches long with a 1½" grip range. Grab handle is to have mounting grommets to protect the OEM vehicle finish. Attachment is required to be made through the center of the "B" pillars, approximately 43" from the OEM step well to the center of the grab handle.	☐ YES ☐ NO
3.12.6 Additional padded stanchions shall be installed at the locations indicated on attached diagrams.	☐ YES ☐ NO
3.13 Storage Compartment	
3.13.1 An enclosed space or storage compartment shall be provided. The unobstructed space shall have a volume of approximately 2,000 cubic inches. The storage area may be located between the front seats and shall present no obstacle to the driver or interfere with access to seating. The compartment door shall have a bracing mechanism on both sides in order to secure the door in a hands-free, open position. A latch with a key shall be provided on the door.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.14 Emergency and Safety Equipment	
3.14.1 Fire extinguisher - dry chemical type, multipurpose, Class ABC, 5 lb., rechargeable with gauge, U. L. approved, shall be provided. Bracket mounted securely in the front of the van, in the driver's area. Location to be approved at pilot model review.	Type: _____ Class: _____ lbs.: _____ Location: _____
3.14.2 First Aid Kit – 24 Unit Ever Ready First Aid Kit (Model #3400975 or NC-24M/P) or approved equal shall be provided. A list of contents is available upon request. First Aid Kit to be located in the storage compartment, mounted on Velcro tape, and labeled on the front of the storage compartment.	Type: _____ Size: _____
3.14.3 Warning kit - Three (3) portable warning reflectors that can be mounted on stands shall be furnished in a kit or box. Warning kit shall be located in storage compartment, secured with clips so that it can be removed and labeled on the front of storage compartment.	☐ YES ☐ NO ☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
3.14.4 Tire changing tools - jack shall be mounted in the back corner of the van; be of the best quality available and have adequate capacity to raise a loaded vehicle and be the type which will allow for easy removal of wheel and tire from the raised vehicle. The wheel wrench will be a high-quality tool of sufficient length to permit removal of wheels.	☐ YES ☐ NO
3.14.5 Emergency Window Hammer with Seat Belt Cutter – a device that can break out a vehicle window and can cut seat belt and tie down webbing in an emergency. To be mounted within reach of the driver. To be approved at pilot model review.	☐ YES ☐ NO
3.14.6 Oxygen Tank Mounting Bracket – O2 on the go (Q-Straint) or approved equal shall be provided. The bracket shall be adjustable with flexible straps. On all vans, one bracket shall be mounted on the back wall and approved at pilot model review.	Mfr.: _____ Model: _____ ☐ YES ☐ NO ☐ YES ☐ NO
3.14.7 Strobe light- Specialty model 205 or approved equal to be mounted on top of the van, centered, approximately 1' from the back edge of vehicle. Location and access are to be approved at pilot model review. Strobe light lens color shall be clear A metal or fiberglass guard shall be placed on the front side of the strobe light to protect it from damage. Lens shall be glass with an aluminum base and a replaceable double flash (11 joules min.) low amp draw/high light output bulb. A replaceable remote power pack is to be provided with strobe light. The light shall be wired, so it is activated when the vehicle is started and running. A manual cut-off switch should also be provided on the dash. The light shall meet SAE J1318 and J575 standards. Wiring for the strobe light must be accessible for repairs, and wiring shall be sufficient in length to allow for replacement.	Strobe light brand: _____ Cut off switch: _____ ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
	☐ YES ☐ NO
3.14.8 Power door locks with a keyless remote shall be provided.	☐ YES ☐ NO
4.0 WHEELCHAIR/MOBILITY AID LIFT SYSTEM	
4.1 General For the purpose of this specification, the terms "wheelchair" and "mobility aid device" may be used interchangeably. The new ADA definition for "Wheelchair" is defined in the amended ADA rule, effective October 19, 2011, as a mobility aid belonging to any class of three-or more-wheeled devices, usable indoors, designed or modified for and used by individuals with mobility impairments, whether operated manually or powered. The "three-or-more-wheeled" language in the definition is intended to encompass wheelchairs that may have additional wheels (e.g., two extra guide wheels in addition to more traditional four wheels).	
4.1.1 Vehicles shall meet all applicable requirements of the Americans with Disabilities Act (ADA) as set forth in 49 CFR 37 and 38, issued 9/6/91; and 49 CFR 571, FMVSS 403 and 404, issued 12/27/02 with respect to mobility aid accessibility. The Vendor is solely responsible for any additions, deletions, omissions, or interpretations of ADA, as it relates to the construction of said contracted vehicle(s).	☐ YES ☐ NO
4.2. Wheelchair/Mobility Aid Stations	
4.2.1 Wheelchair/mobility aid station(s) are the spaces inside the vehicle for transporting persons in wheelchair/mobility aid devices and are to be provided on vehicles having wheelchair/mobility aid lifts. Each wheelchair/mobility aid device station shall consist of a usable floor area where a passenger in a wheelchair/mobility aid device may be positioned and where a wheelchair/mobility aid securement system shall be installed.	☐ YES ☐ NO
4.2.2 All wheelchair/mobility aid stations shall be designed to secure wheelchair/mobility aid devices in a forward-facing position.	☐ YES ☐ NO
4.2.3 At least one (1) wheelchair/mobility aid station per lift vehicle shall provide an adequate space for an oversized wheelchair/mobility aid device, a clear floor area of 30" in width and approximately 56" in length. The other station(s) shall not be any less than the minimum length of 48" required in accordance with ADA.	Oversized w/c station: _____ _____ x _____" Add 'l. w/c station spaces: _____ _____ x _____"
4.2.4 Not more than 6" of the required clear floor space may be accommodated for footrests under another seat provided there	☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
is a minimum of 9" from the floor to the lowest part of the seat overhanging the space. No wheelchair/mobility aid station(s) obstructions shall hinder a wheelchair/mobility aid device from being rolled into place.	☐ YES ☐ NO
4.2.5 Foldaway seats shall be mounted in a forward-facing position. Foldaway seats shall include lap style retractable passenger restraints as stated in specification 3.5.	☐ YES ☐ NO ☐ YES ☐ NO
4.2.6 All Foldaway seats mounted over wheelchair/mobility aid stations areas shall be the Freedman 3 step Foldaway seats or approved equal. Seats shall be color-keyed to the permanent passenger seats.	☐ YES ☐ NO ☐ YES ☐ NO
4.3 Wheelchair/mobility aid Securement System	
4.3.1 The four-point track/belt tie down system shall be provided at each wheelchair/mobility aid station to securely hold the wheelchair/mobility aid device in position. Securement systems and their attachments to the vehicles withstand a force in a forward longitudinal direction of 2,500 lbs. per securement leg and a minimum of 5,000 lbs. for each mobility aid device. Movement of an occupied wheelchair/mobility aid device shall be no more than 2" in any direction.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
4.3.2 This system shall be composed of the following components: four separate belts and four lengths of track with all necessary buckles, hardware fittings and other parts to make it a complete wheelchair/mobility aid device securement system. Q-Straint QRT 360 tie down system, Q-Straint One tie down system or approved equal shall be provided. System must be a WC18 compliant system.	☐ YES ☐ NO Mfr.: _____ Model: _____
4.3.3 Each wheelchair/mobility aid station shall have a separate securement for each set of tie downs. They are not to share the same track.	☐ YES ☐ NO
4.3.4 The floor tracks shall be recessed or flush mounted in the flooring. Care shall be taken to avoid damaging or destroying the integrity of the flooring.	☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
4.3.5 During installation of the wheelchair/mobility aid securement system, care shall be taken to avoid damage to any of the vehicle's components. Particular attention should be taken to avoid damage to the fuel tank(s) during and after installation of the floor tracks. It should be noted that the method of installing the track is the sole responsibility of the vendor, and he may use whatever method will obtain the required results. By submitting and signing this bid the Vendor hereby certifies that the wheelchair/mobility aid device securement system has met all applicable Federal Motor Vehicle Safety Standards and has been mounted in accordance with the manufacturer's specifications.	☐ YES ☐ NO
4.3.6 Six (6) Q-Straint Quick Straps or approved equal shall be provided in each vehicle to assist with mobility aid device securement. Webbing loops must be tested and used per manufacturer's recommendations.	☐ YES ☐ NO
4.3.7 A storage bag for each set of tie downs (4.3.2) and occupant restraint systems (4.4.1) shall be provided. These bags shall be mounted on the wall near the wheelchair/mobility aid stations and secured so the bags are immobile. Location shall be approved by DOT.	☐ YES ☐ NO ☐ YES ☐ NO Location of bag: _____
4.3.8 Literature describing and giving instructions on the use of the wheelchair/mobility aid device securement system shall be provided with each lift equipped vehicle.	☐ YES ☐ NO
4.3.9 Literature describing and giving instructions on the use of the wheelchair securement system shall be provided with each wheelchair lift equipped van.	☐ YES ☐ NO
4.3.10 The vendor will be required to provide "hands-on" demonstration and training to recipients of lift vans. More detailed information on demonstration/training is outlined in Section 4.10 of this bid.	☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
4.3.11 Tie down system shall meet or exceed requirements set forth in RESNA WC-4:2017, Section 18, Wheelchair Tie down and Occupant Restraint Systems for use in Motor Vehicles.	☐ YES ☐ NO
4.4 Wheelchair/mobility Aid Occupant Restraint System	
4.4.1 A three-point occupant restraint system consisting of a lap and shoulder belt combination shall be provided for each wheelchair/mobility aid station. The shoulder belt shall be a minimum of 86" in length and the lap belt shall be a minimum of 43" in length. Belt connection around wheelchair/mobility aid occupant shall be release button and comply with all State and FMVSS. A Q-Straint integrated occupant restraint system or approved equal is acceptable.	Describe: _____ _____ _____ _____ _____
4.4.2 The shoulder attachment point shall be secured in a structural member of the side wall. The attachment shall comply with all State and FMVSS and regulations. The lap belt shall be secured by inserting it into the rear tie-down belts of the wheelchair/mobility aid securement system. The shoulder and lap belt shall connect at the buckle portion of the restraint. The restraints shall be designed and installed in such a manner that the restraint belts transfer crash forces to the hips and upper torso portions of the skeleton and shall not transfer these forces to the abdomen section of the passenger.	Provide details of type & location of restraints for approval. _____ _____ _____ _____ Attachment no. _____ ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
4.4.3 Shoulder belts shall be retractable at the wall connection or removable and shall not hang loose or interfere with movement in vehicle when not in use.	☐ YES ☐ NO
4.4.4 Restraint belts shall be stored in same location as provided for above in specification 4.3.8, wheelchair/mobility aid securement system. Restraint belts permanently fixed to the floor are not acceptable.	☐ YES ☐ NO
4.5 Wheelchair/Mobility Aid Device Lift	

Specifications	Product/Service Offered Meets Specification
4.5.1 The wheelchair/mobility aid lift system shall be a system which permits persons confined to a wheelchair/mobility aid device to enter and leave a vehicle while in a wheelchair/mobility aid device without difficulty by means of a vertical lifting platform and which also provides for the safe transportation of persons in wheelchair/mobility aid devices inside the vehicle. Acceptable wheelchair/mobility aid device lift is the Braun Millennium 2, Braun Century II or approved equal. (See platform size requirements under 4.6)	Mfr.: _____ Model no. _____
4.5.2 The lift, operation and installation must meet all ADA, FMVSS 403 and 404 requirements.	☐ YES ☐ NO
4.5.3 Lift shall require no independent power source. The lift shall operate on the vehicle's existing heavy duty electrical system as specified in 1.11.	☐ YES ☐ NO ☐ YES ☐ NO
4.5.4 Placement of the lift or the method of attachment shall not significantly diminish the structural integrity of the vehicle or cause a hazardous unbalancing of the vehicle either by its weight when the vehicle is moving or by its weight and load when the vehicle is stopped, subject to the vehicle manufacturer's recommendations.	☐ YES ☐ NO
4.5.5 Shear areas or pinching action mechanisms of the lift shall not be readily accessible to occupants, passengers, or operators during normal operation of the lift. In the event that readily accessible shear areas of pinching action mechanisms are unavoidable, the safety of occupants, passengers and operators shall be provided for by physical barriers, safety-stop switches restricting the operating force of the equipment below that which cause injury or other recognized safety methods.	☐ YES ☐ NO
4.5.6 All exposed edges or other hazardous protrusions on the lifts which are stowed inside the passenger compartment shall be equipped with padding of a thickness to the manufacturer's recommendation. Padding shall be of an energy absorption material capable of minimizing injury producing forces and shall extend to within 3" of the vehicle floor.	☐ YES ☐ NO ☐ YES ☐ NO
4.5.7 All protrusions or moving parts of the lift mechanism which could snag clothing shall have a guard or shield to protect passengers and/or operator.	☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
4.5.8 Interior padding shall be provided above the door opening for the lift to avoid injury to wheelchair passengers and attendants during loading and unloading. Padding shall extend the entire width above the door opening and shall also be provided along the interior roof-ceiling mating edge, and at all other locations where sharp or potentially hazardous edges occur.	☐ YES ☐ NO ☐ YES ☐ NO
4.5.9 Vendor shall re-undercoat with an automotive type undercoating, and otherwise seal all through-body fittings from moisture. The reapplication of under-coating is only required for through-body fittings.	☐ YES ☐ NO
4.5.10 An operational manual shall be provided with each vehicle to include at a minimum, normal and manual lift operations, preventive maintenance schedule, use of wheelchair/mobility aid restraint and seat belt system, lift trouble shooting and parts listing.	☐ YES ☐ NO
4.5.11 One copy of a CD or DVR on lift maintenance and troubleshooting shall be provided for each transit system ordering lift vehicles.	☐ YES ☐ NO
4.6 Lift Platform	
4.6.1 The platform to be provided shall be the widest available from the manufacturer with a minimum clear usable width of 34" and a minimum clear usable length of 51".	Platform size: _____
4.6.2 The lift platform shall also be in compliance with ADA and FMVSS 403 and 404 requirements.	☐ YES ☐ NO
4.6.3 The maximum weight that can be lifted by the lift shall be posted on the lift. (Minimum 1000lbs)	☐ YES ☐ NO Maximum weight lifted _____
4.6.4 A transition or bridge plate shall be of hinged design and mounted as an integral part of the van or platform so as to provide a smooth transfer from the platform into the vehicle. The transition plate shall be secured and stored so as not to interfere with the operation or storage of the lift platform or the placement of wheelchair/mobility aids.	☐ YES ☐ NO ☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
The transition plate shall be mounted in such a manner that the sides of the plate do not make contact with inside rails of the platform. The transition plate shall be secured and stored so as not to interfere with the operation or storage of the lift platform or the placement of wheelchair/mobility aids.	☐ YES ☐ NO
4.6.5 An automatically actuated roll-off barrier across the full length of the loading-edge or entrance ramp of the platform shall be provided. The barrier shall be a minimum of 6.5" high (measured from the platform surface) when closed to prevent a power wheelchair/mobility aid device from riding over the barrier. The barrier shall automatically close and remain closed when the lift rises 3" above the ground surface. The entrance ramp shall not exceed a slope of 1:8, measured on level ground, for a maximum rise of 3", and the transition from ground to ramp may be vertical without edge treatment up to ¼". Thresholds between ¼" and ½" high shall be beveled with a slope no more than 1:2	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
4.6.6 Platforms shall be capable of being raised and lowered with no sudden acceleration, deceleration, or jerking motion.	☐ YES ☐ NO
4.6.7 Handrails shall be provided on each side of the platform and move in tandem with the lift. Handrails shall be able to be grasped and provide support. Handrails shall have a usable component at least 8" long with the lowest portion a minimum 30" above the platform and the highest portion a maximum 38" above the platform. The handrails shall be capable of withstanding a force of 100 lbs. concentrated at any point on the handrail without permanent deformation of the rail. The handrail shall have a cross-sectional diameter of 1-1/4" to 1-1/2" or shall provide an equivalent grasping surface. Handrails shall not interfere with wheelchair/mobility aid devices entering or leaving the vehicles. Handrails in the stowed position shall not extend in the vehicle's passenger area more than 5" and shall be secured in such a	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
manner to keep them from rattling and prevent this from becoming a hazard to passengers.	☐ YES ☐ NO
4.6.8 A handrail restraint, a belt between the two handrails, shall be provided in order to offer extra security for passengers in wheelchair/mobility aid devices as they are lifted on the platform.	☐ YES ☐ NO
4.7 Lift Control, Interlock and Backup Systems	
4.7.1 Operating controls shall be of heavy-duty commercial type and shall be designed for hand-held operation with a long cord extension to allow operation of the lift by the operator standing outside the vehicle at a position behind or at the side of the lift platform. A method for storing and securing the controls when not in use shall be provided.	☐ YES ☐ NO
4.7.2 The lift operation and interlock shall be in compliance with ADA and FMVSS 403 and 404 requirements.	☐ YES ☐ NO
4.7.3 The controls should be designed to be used safely without adverse effects to the operator or to the controls in all weather conditions.	☐ YES ☐ NO
4.7.4 Lift operation instructions shall be posted on the inside of the lift door and shall be easily understood by the operator. Lift controls will not allow automatic sequencing of the lift from one mode to another that would jeopardize the safety of the passenger.	☐ YES ☐ NO
4.7.5 Lift controls shall allow for instant direction reversal at any point in the cycle.	☐ YES ☐ NO
4.7.6 The vehicle shall have an Interlock system that will not allow the vehicle to be shifted out of park if the lift door is open. As an added feature, it also will not allow the vehicle to be shifted out of park anytime the parking (emergency) brake is applied.	☐ YES ☐ NO
4.7.7 The interlock system shall make the lift controls inoperative unless the vehicle's emergency brake is activated. A power cutoff or interrupt switch shall be installed on the dash panel to prevent unauthorized use of lift controls while the vehicle is parked and locked. The power cut-off shall also prevent a battery drain. The location of the lift switch will be approved by DOT.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO Location: _____

Specifications	Product/Service Offered Meets Specification
4.7.8 The interlock system shall only allow the lift to be operational when the vehicle is in "Park", the "Parking (emergency) Brake" is engaged, the "Ignition" is on, the "Lift" switch is on, and the "Lift Door" is open.	☐ YES ☐ NO
4.7.9 Alternate Interlock system may be submitted for DOT approval. Describe in the attachment to the bid.	☐ YES ☐ NO Attachment: _____
4.7.10 In addition to the normal operating power, a manual backup system for unloading wheelchair/mobility aid passengers and returning the lift to the stowed position shall be provided in the event of electrical failure. The backup system shall be mounted on the interior of the vehicle, close to the lift door, and in a location that will not interfere with passenger loading and unloading. Location to be approved by DOT. Instructions for the manual backup system shall be posted on the inside of the lift door.	☐ YES ☐ NO Type of backup system Offered: _____ _____ ☐ YES ☐ NO Location: _____
4.8 Wheelchair/Mobility Aid Lift – Rear Entry Door Location	
4.8.1 Van doors (OEM) may need to be modified to accommodate the lift at the rear double door location.	☐ YES ☐ NO Type of door used _____
4.8.2 The lift door opening shall provide a door opening of a minimum of 68". A clear door width shall be 50" min.	☐ YES ☐ NO Door height: _____ Width: _____
4.8.3 Lift doors shall be equipped with a device to prevent doors from closing when the lift is in motion. Either fixed hinges that lock in place or door ties to keep doors open. Fixed hinges are the preferred method. Device to be approved by DOT.	Device to hold doors in place: _____
4.8.4 The rear lift door shall retain windows in door panel (FMVSS safety/privacy glass).	☐ YES ☐ NO
4.8.5 Door opening shall be padded on the inside at the rear lift location.	☐ YES ☐ NO
4.8.6 Door(s) and the entire vehicle shall not leak. Water leak test shall be applied.	☐ YES ☐ NO
4.8.7 Controls engage interlock by processing signals from the transmission, parking brake and lift door to electronically lock down the vehicle's ability to move in unsafe conditions.	☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
4.8.8 Lighting shall be installed at the lift door that meets ADA and FMVSS 403 and 404 requirements.	☐ YES ☐ NO
4.9 Additional requirements	
4.9.1 All exposed metal surfaces shall be painted or shall be corrosion resistant.	☐ YES ☐ NO
4.9.2 All lift components (including wiring) located on the underside of the vehicle shall be concealed but accessible for maintenance purposes	☐ YES ☐ NO
4.9.3 All interior wiring shall be concealed.	☐ YES ☐ NO
5.0 OPTIONS Please advise if the option is not available on specific floor plans due to QVM requirements from the chassis manufacturer. NOTE: The options selected below cannot exceed the GAWR/GVWR requirements of the chassis, in accordance with QVM requirements.	
5.1 Alternative Fuel Options, if available. Appropriate GVWR, alternator, and battery shall be included. 1. Propane prep package 2. CNG prep package 3. Diesel engine option 4. Electric option	☐ YES ☐ NO
5.2 Floor Option Smart Floor, Abilitrax or approved equal is a new modular floor system for mobility vans that incorporates removable seating with grab bars on top of the seats into a flexible track system that meets ADA and FMVSS.	☐ YES ☐ NO
5.3 Chassis Manufacturer's Service and Parts Manual or CD; or approved equal.	☐ YES ☐ NO
5.4 Detailing: Lettering, Striping, Two-tone, and Logos 1. Lettering (pricing based on an average of fifty 5" size Letters/number and labor) 2. Striping (paint or vinyl strips and labor) 3. Two Tone (paint or vinyl strips and labor) 4. Logos (paint and labor) 5. Logo Decals (labor only; purchaser will provide decals)	☐ YES ☐ NO
5.5 EXTRA Seat belt extenders – shall meet applicable FMVSS requirements. (Price without Installation.) Price each.	☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
5.6 Q-Straint Quick Strap for mobility aid chairs or approved equal. Price straps individually; straps can be purchased in addition to ones that are included with vehicle.	☐ YES ☐ NO
5.7 Transit destination sign; front roller with curtain; furnished with a minimum of 15 destinations. (If available) 1. Tran sign Destination Sign D1825 (Manual) or Equal. 2. Tran sign Destination Sign D8227 (Electronic) or Equal	☐ YES ☐ NO
5.8 Diamond Farebox NV, small farebox, or approved equal	☐ YES ☐ NO
5.9 Main M4 Farebox, small farebox, or approved equal	☐ YES ☐ NO
5.10 Donation Farebox – small, no larger than 8” x 8” x 8”	☐ YES ☐ NO
5.11 Two (2) 7” Round or (2) 15” light bars - Red LED Auxiliary Brake Lights	☐ YES ☐ NO
5.12 Auxiliary Red Strobe light positioned either above the center brake light or to the right of the back door. Wired to come on when a vehicle is stopped and/or front door is opened.	☐ YES ☐ NO
5.13 Wireless Camera/DVR System– 4 cameras per vehicle TL4 (4 camera system to be priced as unit) or approved equal.	☐ YES ☐ NO
5.14 Alternate Wireless Camera/DVR System– 4 cameras per vehicle including installation (4 camera system to be priced as unit)	☐ YES ☐ NO
5.15 Fog maker, an engine fire suppression system with a water mist extinguishing system or approved equal.	☐ YES ☐ NO
5.16 Jomarr vehicle fire suppression system with a clean agent extinguishing system or approved equal.	☐ YES ☐ NO
5.17 Upgraded Side Mirrors. OEM side mirrors with optional turn signal in addition to already standard heated mirror.	☐ YES ☐ NO
5.18 Advanced Fast Idle System. Automatically increases engine speed when the vehicle voltage drops below 11.5V and the vehicle is in Park, and the parking brake is set.	☐ YES ☐ NO
5.19 Passenger Transit Door System shall replace the OEM passenger sliding door and the sidestep to enter the van on the right side. (Replaces specifications 2.3, 2.4, and 2.5) The door shall be a double outdoor (panel) “transit style” door of consistent width dimension from top to bottom, approximately 86 inches high and approximately 38 inches wide (exclusive of door opening mechanism). Door adjustment should sufficiently prevent	☐ YES ☐ NO Entry height _____ Width of door _____ Laminated glass:

Specifications	Product/Service Offered Meets Specification
opening past perpendicular (90°) to the extent that body/door damage might otherwise result. Laminated safety glass is required or approved equal. No Plexiglas. The transit door system shall be a manufactured door system consisting of aluminum door panels, reinforced by aluminum extrusions for structural strength. All door hinges should be stainless steel construction. The passenger entry door system shall be contained in stainless steel door jambs, welded to the vehicle. The door header support shall also be constructed of stainless steel. All rough edges shall be made smooth. Passenger entry door system may be recessed or flush with the outside of the van when in a closed position. Suitable weather stripping shall be used to provide a water and weather tight seal and prevent water and wind from blowing in around the door. Provide details of how door is installed with bid. When the entry door is open, a light shall provide at least 2 foot-candles of illumination on the street surface for a distance of 3 feet from all points on the step tread. Such light shall be located below window level and shielded to protect the eyes of entering and exiting psgrs. An electric door opener shall be provided to open and close the entry door. The door opener shall be within reach of the seated driver and not interfere with the boarding passengers. Remote operation shall be capable from outside the vehicle. An emergency release shall be provided for the door opener that is easily identifiable and accessible. Lowered Stepwell (minimum 2 steps below floor level) constructed of corrosion resistant, 11 ga. (min.) stainless steel, or approved equal. Stepwell shall be treated with rustproof coating. All components are to be of welded construction. (Attach details on construction of stepwell)	☐ YES ☐ NO Gauge of door: _____ Gauge of frame: _____ - door jambs _____ - door header _____ Hinges _____ Door System recessed or flush mounted: _____ Location of lighting: _____ Door Opener: _____ Mfr.: _____ Model no. _____ Emergency release: ☐ YES ☐ NO Lowered Stepwell: _____ Gauge of steel: _____ Material: _____
5.20 The ground to first step shall not be less than 8" and no higher than 12". There shall be a maximum 9" rise in the steps. Step tread depth shall be no less than 9"; each step width shall have a clear opening of at least 20". No protrusions on the steps that interfere with a clear passage shall be permitted. Steps shall be fully recessed, enclosed and protected from weather and other adverse conditions. The depth of the lowered stepwell shall not extend more than 5" beyond the widest point on the vehicle body. The bottom step must be enclosed by a brush-trim edge but not be or constitute a safety hazard. The tread surfaces of the front service entrance steps shall be covered with hard fire-resistant, slip-resistant floor covering. The covering shall be the same used for the flooring of the van (Section 3.4) in either black or gray. The covering shall be permanently bonded to the metal step surfaces and shall be properly sealed to prevent moisture from getting underneath with all necessary molding provided. Step tread kits shall	Ground to 1st step _____" Rise of steps _____" Depth of tread _____" Step width _____" Tread surfaces and step tread kits: ☐ YES ☐ NO

Specifications	Product/Service Offered Meets Specification
be provided on all step edges and thresholds and have a yellow (nosing) band running the full width of the step or edge.	
5.21 Backup/Reverse Camera System (OEM) - 5" LCD monitor; HD backup system; Color and NIGHT vision; Audible alarm with digital read-out that alerts the driver that an object is in the vehicle path	☐ YES ☐ NO
5.23 Reverse Alarm Assistance System - Ultra-sonic warning alarm mounted on bumper detects objects behind vehicle. Audible alarm with digital read-out alerts driver that object is in vehicle path. InterMotive Hawkeye or approved equal.	☐ YES ☐ NO
5.24 Sidestep deicer. A hot water/coolant reservoir or coils located under the passenger sidestep to keep this area free and clear of ice accumulation. Device should be bolted in place under the step.	☐ YES ☐ NO
5.25 Stepwell de-ice. A heated stepwell shall be provided for snow and ice conditions. A hot water/coolant reservoir or coils located under the stepwell area to keep this free and clear of ice accumulating as it is tracked in by passengers. Device shall be bolted in place under the stepwell.	☐ YES ☐ NO
5.27 Portable step It shall be about 6 - 8" high to aid in stepping into the vans from parking lots or driveways. Acceptable materials include: heavy duty aluminum finished in a slip resistant surface and capable of supporting a minimum of 300 lbs. Determine some method of securing the step inside the van when the van is in motion.	☐ YES ☐ NO
5.28 Extended Warranty Coverage Options if available.	☐ YES ☐ NO
5.29 Exterior Color option	☐ YES ☐ NO
5.30 Plexiglass shields to be installed behind driver	☐ YES ☐ NO
5.32 Alternative Low-Floor Option (Optimal shuttles) (i.e. no steps required)	☐ YES ☐ NO
5.33 Wheelchair Lift Guard Arm	☐ YES ☐ NO

APPENDIX B: LIGHT TRANSIT VEHICLE SPECIFICATIONS (MINIMUM SPECIFICATIONS)

Specifications	Vendor's Response
1.0 CHASSIS	Answer completely or indicate Yes/No as appropriate
1.1 General Requirements	
1.1.1 Vehicle chassis shall be completed on the heaviest duty cut-away chassis available from the manufacturer. The chassis will provide the safest and most reliable service in stop and go traffic as well as on the open road.	☐ YES ☐ NO
1.1.2 Vehicle shall meet all applicable SAE and FMVSS requirements.	☐ YES ☐ NO
1.2 Dimensions (The dimensions listed are approximate minimums.)	
A. 20' – 13 Adult Passengers (Maximum Capacity)	
1.2.1 Wheelbase - 138"	W.B. _____ inches
1.2.2 Overall length – 260"	O.L. _____ inches
1.2.3 Overall width – 84"	O.W. _____ inches
1.2.4 Inside width – 81"	I.W. _____ inches
1.2.5 Overall height - 107"	O.H. _____ inches
1.2.6 Inside height - 74"	I.H. _____ inches
B. 22' – 20 Adult Passengers (Maximum Capacity)	
1.2.1 Wheelbase - 158"	W.B. _____ inches
1.2.2 Overall length – 283"	O.L. _____ inches
1.2.3 Overall width – 96"	O.W. _____ inches
1.2.4 Inside width – 90"	I.W. _____ inches
1.2.5 Overall height - 110"	O.H. _____ inches
1.2.6 Inside height - 76"	I.H. _____ inches
C. 25' – 24 Adult Passengers (Maximum Capacity)	
1.2.1 Wheelbase - 176"	W.B. _____ inches
1.2.2 Overall length – 308"	O.L. _____ inches
1.2.3 Overall width – 96"	O.W. _____ inches

1.2.4	Inside width – 90"	I.W. _____ inches
1.2.5	Overall height - 110"	O.H. _____ inches
1.1.6	Inside height - 76"	I.H. _____ inches
D. 28' – 28 Adult Passengers (Maximum Capacity)		
1.2.1	Wheelbase - 213"	W.B. _____ inches
1.2.2	Overall length – 360"	O.L. _____ inches
1.2.3	Overall width – 96"	O.W. _____ inches
1.2.4	Inside width – 90"	I.W. _____ inches
1.2.5	Overall height - 116"	O.H. _____ inches
1.2.6	Inside height - 76"	I.H. _____ inches
1.3 Frame		
1.3.1	Frame rail assembly shall be of one-piece, high yield strength steel construction provided by the chassis manufacture. Frame should be designed to correspond with or exceed standard practice performance criteria for vehicles of this type and for the vehicle weight and anticipated loads and stresses. Vendor/manufacture shall certify that they are in compliance for the chassis they are submitting and meet the OEMs QVM standards; or similar approved equal (Attached certification: see section 4.7 for more information)	☐ YES ☐ NO Certification Attachment ____
A.	20' vehicle-minimum 11,500 lbs. OEM.	_____ Lbs.
B.	22' vehicle-minimum 12,300 lbs. OEM	_____ Lbs.
C.	25' vehicle-minimum 14,200 lbs. OEM	_____ Lbs.
D.	28' vehicle-minimum 19,500 lbs. OEM	_____ Lbs.
1.4 Axles		
1.4.1	The axles shall be of sufficient strength to carry without damage, their share of the actual weight of the vehicle plus anticipated loads and stresses.	☐ YES ☐ NO
1.4.2	The front axles shall have a minimum design load rating of 4,600 lbs. for the 20'/22'/25' Ford chassis or approved OEM equal. The front axle for the 28' chassis shall have a minimum design load rating of 7,000 lbs. according to the chassis manufacturer's rating.	20'/22'/25' LTV _____ lbs. ☐ Ford 28' LTV _____ lbs. ☐ Ford

1.4.3 The rear axle shall have a minimum design load rating, according to the chassis manufacturer, of: 7,800 lbs. - 20' LTV 8,500 lbs. - 22' LTV 9,450 lbs. - 25' LTV 13,660 lbs. - 28' LTV	20' LTV _____ Lbs. 22' LTV _____ Lbs. 25' LTV _____ Lbs. 28' LTV _____ Lbs.
1.4.4 List available drive axle ratios, including manufacturer's standard recommended ratio.	Ratios: _____ Std. _____ Std. _____ Std. _____ Optional
1.4.5 A design requiring a tag axle in order to meet the vehicle GVWR is not acceptable.	Tag Axle: ☐ YES ☐ NO
1.5 Suspension System	
1.5.1 The suspension system shall be heavy duty and load rated for the GVW of the vehicle. Additional suspension support shall be provided if needed with wheelchair lift equipped vehicles to prevent listing or leaning. Springs shall provide smooth and quite ride under various load conditions.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
1.5.2 Multi-leaf springs shall be provided on rear, coil springs on front	☐ YES ☐ NO
1.5.3 A front stabilizer bar shall be provided.	☐ YES ☐ NO
1.5.4 A rear stabilizer bar shall be provided if available.	☐ YES ☐ NO
1.5.5 Shock Absorbers shall be heavy duty, double acting type. Shock Absorbers They shall be load rated and capable of controlling the ride when the vehicle is empty, as well as when loaded to the GVW. One (1) Shock Absorber shall be located at each wheel and give maximum trouble-free life in transit operations.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
1.5.6 MOR/Ryde Suspension Kit, Liquid Springs Suspension Kit or approved equal to be installed on the rear axle per the manufacturer's requirements.	☐ YES ☐ NO Type: _____
1.6 Engine	
1.6.1 Engine shall be of heavy-duty design and construction. Engine shall be gas V-8 fuel injected.	

20' – 7.3L minimum	Offering: _____
22'/25' – 7.3L minimum	Offering: _____
28' – 7.3L minimum	Offering: _____
1.6.2 Oil filter shall be full flow spin-on type. The engine shall be equipped with an engine oil cooler.	☐ YES ☐ NO
1.6.3 Engine compartment shall be insulated with 3/4" (approximately) fiberglass or equivalent material to minimize interior noise, heat, and fumes.	Offering: _____
1.7 Transmission	
1.7.1 Heavy duty 5-speed, automatic overdrive transmission compatible with the engine specified for the 20'/22'/25'/28' LTV.	Offering: _____
1.7.2 The transmission shall be equipped with a hydraulic transmission governor, adequate torque capacity clutch packs, and oil pump with a minimum capacity to supply all transmission lube and shift requirements at idle speed, and external transmission oil cooler or equivalent to maintain safe operating temperature at rated loads. The automatic transmission provided shall be of adequate strength and capacity to perform under the frequent start-stop duty cycle anticipated.	☐ YES ☐ NO
1.7.3 Transmission shift control shall be interlocked with starting motor to prevent engagement of the starter in any gear position other than "Neutral" or "Park."	☐ YES ☐ NO
1.7.4 Transmission shift control shall have a position lock shift lever for each shift position with an illuminated range indicator.	☐ YES ☐ NO
1.8 Cooling System	
1.8.1 Radiator fan shall be thermostatically controlled fluid drive type or clutch belt driven type so as to be effectively power driven only above the minimum efficient engine temperature and shall maintain engine temp. at the proper operating temperatures.	☐ YES ☐ NO
1.8.2 Radiator surge or overflow tank shall be provided (coolant recovery kit) such that expelled coolant is saved and restored to the cooling system.	☐ YES ☐ NO
1.8.3 Coolant provided shall be permanent type antifreeze with rust inhibitor, mixed so as to protect from freezing down to -30 degrees Fahrenheit.	☐ YES ☐ NO
1.9 Fuel System	

1.9.1	Fuel tank(s) shall be the maximum capacity available with chassis and internally baffled to prevent surging.	
	20'/22' – 33-gallon min.	_____ Gallon
	25' – 55-gallon min.	_____ Gallon
	28' – 40-gallon min.	_____ Gallon
1.9.2	An engine mounted fuel filter with replaceable type elements is required.	☐ YES ☐ NO
1.9.3	Access to fuel tank/fuel pump shall be provided through a trap door on the interior floor.	☐ YES ☐ NO
1.10	Exhaust System	
1.10.1	The vehicle shall be equipped with a heavy-duty exhaust system which meets FMVSS and EPA noise level and exhaust emission (smoke and noxious gases) requirements.	☐ YES ☐ NO
1.10.2	The tail pipe shall exhaust to the street side (left side) and slightly downward at the rear of the vehicle. If tail pipe cannot be routed to the left due to the tire mounted under the chassis, then straight back to exit at the rear of the vehicle is acceptable.	☐ YES ☐ NO
1.10.3	Exhaust system shall be securely attached to the chassis frame.	☐ YES ☐ NO
1.10.4	Flexible tubing shall not be used between the engine and the muffler.	☐ YES ☐ NO
1.10.5	A certificate stating compliance will be provided by the successful Vendor upon delivery of each vehicle stating as follows: ○ Horsepower of the vehicle furnished is adequate for the speed and terrain in which it will operate. Such horsepower includes the demands of auxiliary power equipment. ○ Gases and vapors emanating from the crankcase of spark ignition engines are controlled in such a manner as to minimize their escape to the atmosphere. (Such control may provide for the return of such gases to the induction system of the engine.) ○ Visible emissions from the exhaust pipe will not exceed State or Federal EPA standards	Certificate is Attachment_____ ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
1.11	Drive Shaft	

1.11.1	The drive shaft shall be a minimum 3-1/2" and heavy-duty type utilizing one or more Spicer needle bearing universal joints or equivalent.	Size _____ Inches
1.11.2	The drive shaft shall be rated capable of transmitting the torque multiplication of the power units to the drive wheels.	☐ YES ☐ NO
1.11.3	Protective metal guards (2 or 3 as needed) for the shaft shall be provided to prevent a broken shaft from touching the ground, contacting any brake line, or whipping through the floor.	No. of guards: _____
1.12 Steering		
1.12.1	Heavy-duty power-assisted steering shall be provided.	☐ YES ☐ NO
1.12.2	Steering mechanism shall be constructed so as to make the wheel free from road shock and vibration. Steering mechanism shall be self-centering, requiring little or no effort to bring the vehicle back to a straight-ahead position after turning.	☐ YES ☐ NO ☐ YES ☐ NO
1.12.3	The steering wheel shall be the standard size available with the chassis, approx. 15" in diameter. The wheel ring shall be of all plastic or synthetic resin construction, molded over metal. Minimum of 21" of clearance needed from base of steering wheel to the driver seat when seat is in highest upright position. Further, it shall be provided with puller holes in the hub so that a standard or universal puller may be used.	Size: _____ ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO Distance from base of steering wheel to seat: _____
1.12.4	Provision shall be made for easy external adjustment of steering gear backlash.	☐ YES ☐ NO
1.12.5	All steering linkage wear points, including tie rod ends, shall be fitted with lubrication fittings and replaceable bushing or inserts. Bushings shall be heavy duty to withstand heavy duty transit use. Previous cutaway vehicles had numerous problems with wear-out issues.	☐ YES ☐ NO
1.12.6	OEM tilt steering and cruise control shall be provided.	☐ YES ☐ NO
1.13 Brakes		

1.13.1 Hydraulic braking system shall be the heaviest duty available for the GVWR of the vehicle. Braking system shall comply with FMVSS-121 or FMVSS-105 as applicable.	☐ YES ☐ NO
1.13.2 Notwithstanding the requirements of 1.13.1 above, the brake dimensions shall conform to the following minimums: <u>20'</u>: Front Disc Brakes 13" (Rotor Diameter) Rear Drum/Disc Brakes 12" <u>22'/25'</u>: Front Disc Brakes 13" (Rotor Diameter) Rear Disc Brakes 12.9" <u>28'</u>: Front & Rear Disc Brakes	Sizes: (list each) 20' Front _____ 20' Rear _____ 22'/25' Front _____ 22'/25' Rear _____ 28' Front _____ 28' Rear _____
1.13.3 Brake Booster shall be provided.	Type: _____
1.13.4 Brake control, such as anti-lock, to be provided. If available by the manufacturer.	☐ YES ☐ NO
1.13.5 Brakes should be capable of stopping a fully loaded vehicle at a deceleration rate equivalent to a 22-foot stop from a speed of 20 miles per hour. Brakes shall be capable of this type of stop 3 times in rapid succession from a speed of 20 MPH without brake fade.	☐ YES ☐ NO ☐ YES ☐ NO
1.13.6 Parking Brake shall be manually, foot operated, should be located to the left of driver, and activate the rear wheel brakes. Parking brake shall be capable of holding a fully loaded vehicle on a 15% incline. Brake system shall incorporate a warning light on the instrument panel to indicate to the driver when the brake is on. Parking brake on the 24 passenger vehicles may be a transmission mounted drum. Parking brake on the 24 passenger vehicles may be a transmission mounted drum.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO Type of parking brake: _____ _____

1.13.7 Wheelchair lift equipped vehicles shall have an interlock system, InterMotive Intelligent System, or approved equal, preventing the operation of the lift unless the vehicle is in park and the parking brake is engaged.	☐ YES ☐ NO Interlock System: _____
1.14 Wheels and Tires	
1.14.1 Vehicle shall be provided with seven (7) (single front, dual rear, and a spare) ventilated, white (or gray) powder coated or painted pressed steel wheels. The heaviest duty wheels available to meet manufacturer's GVWR shall be provided. Extra heavy duty wheel bearings shall be used.	Tire Rim Sizes: _____ (20') _____ (22') _____ (25') _____ (28')
1.14.2 Bidder shall provide seven (7), steel belted, 10 ply, all weather, radial tires that meet the manufacturer's GVWR. All tires should be the same Name Brand and have a minimum warranty of 50,000 miles. All tires should have valve extensions on them; rear inside tires may need longer ones.	Tire Sizes: _____ (20') _____ (22') _____ (25') _____ (28')
1.14.3 GROSS VEHICLE WEIGHT RATING (GVWR): Front and rear wheels shall be satisfactory for GVWR. The gear ratio shall be equipped with a gear ratio to provide 52 to 65 MPH road speed. Limited slip differential (OEM) shall be provided if available from the manufacturer.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
1.14.4 All tires and wheels, including the spare shall be the same type and brand and be interchangeable. All tires and wheels shall be properly balanced and aligned.	Tire Brand Offered: _____
1.14.5 The rear tire track width shall be a minimum of 82" measured at the center line of the outside dual tire.	Width: _____"
1.14.6 The spare tire shall be wrapped & shipped flat in vehicle	☐ YES ☐ NO
1.14.7 All wheel alignment shall be completed after mounting the bus body and all optional equipment.	☐ YES ☐ NO

The alignment shall include the installation of eccentric cam and caster to prevent excessive wear of the steering tires.	☐ YES ☐ NO
1.15 Electrical System	
1.15.1 The vehicle is to be equipped with a twelve (12) volt extra heavy-duty electrical system. All components are to be selected and integrated to function in an environment characterized by low engine (alternator) speeds and high amperage draws (due to lights, wheelchair lift, flashers, air conditioning or heater and other accessories in constant operation). All electrical systems and equipment shall comply with all applicable FMVSS and shall conform to all applicable SAE recommended standards.	☐ YES ☐ NO
1.15.2 The alternator shall be the OEM chassis single, a minimum of 225 amps (Ford); or approved equal for gas engine chassis. Optional diesel engines require dual OEM alternators.	Alternator brand: Gas _____ Diesel _____
1.15.3 Dual, maintenance free 12-volt DC batteries with a total of 1400 CCA (minimum) shall be provided for all LTVs. Only auxiliary battery shall be skirt mounted on a slide tray under the body; the OEM battery shall remain mounted under hood. The tray shall be secured and prevented from becoming mobile during transport. The vehicle shall be equipped with a main disconnect switch labeled and located on the floor or dash, so as to be convenient to the driver. There shall be a latch but no lock on the access door to hinder quick access in an emergency. The latch shall be sturdy enough to prevent the door from coming open during vehicle operation.	Each Battery: 20' LTV: _____ CCA 22' LTV: _____ CCA 25' LTV: _____ CCA 28' LTV: _____ CCA
1.15.4 A fast idle system shall be installed on all of the LTVs, which will automatically increase the engine speed (rpm) to approximately 1,100 RPM. This fast idle shall engage when vehicle transmission is in park or neutral, and the air conditioning is on. InterMotive Brand or approved equal shall be provided. This control is in conjunction with the air conditioning for use during stand-by periods, and the requirement can be found in section 3.9.20.	☐ YES ☐ NO ☐ YES ☐ NO Offering: _____
1.15.5 All wiring provided by the manufacturer shall be copper and conform to all SAE J1292 requirements. Circuits that serve the bus body and accessory equipment shall be separate and distinct from the chassis circuits.	☐ YES ☐ NO ☐ YES ☐ NO

1.15.6 Wiring - All general-purpose wires shall be GXL insulated or approved equal to 200 degrees Fahrenheit, shall meet SAE standards and shall be color and function coded at least every 6". Function shall be permanently labeled on wiring. Battery cables shall be 2/0 gauge with a minimum .075-inch wall plastic insulation. All wiring shall be of sufficient size to carry the required currents without excessive voltage drop. All wiring shall be run inside the body in a protected area. Any wiring that is exposed to the elements shall be in a loom and securely clipped for maximum protection. Main wiring harness shall be loom covered and concealed within the body for protection from the elements. All harness and wiring terminals shall terminate at appropriate junction terminals set in Bakelite or molded plastic material. All wiring and end connectors shall be of the soldered, hand, or machine-staked type. All connectors shall be "AMP" type. All circuits shall be protected by automatic reset circuit breakers or line fuses. Between the main electrical panel and the vehicle storage compartment there will be 1 ½" conduit (minimum) installed in order to accommodate the wiring installation of add-ons such as Mobile Digital Computers/Tablets or DVR units for the surveillance cameras.	☐ YES ☐ NO Insulated Temp. _____ How coded _____ Distance between no. _____ Connectors _____ Battery cable gauge _____ Loom covered harness _____ Battery cable insulation _____ Circuit protection _____ Conduit for add-ons _____
1.15.7 An InterMotive Flex-tech System, or approved equal, Programmable Relay Power Center (PRPC) shall be conveniently mounted in the vehicle. Inside the electrical panel cover shall be a clear and legible wiring legend identifying each circuit and wire by color, function, and location. A laminated copy will be provided with the service manual.	PRPC _____ ☐ YES ☐ NO
1.15.8 Starter shall be capable of turning over engine with SAE10W oil after a 10-hr. cold soak at zero-degree F.	☐ YES ☐ NO
1.15.9 A body load disconnect solenoid of 100 amps. continuous duty shall be supplied and installed so that when the ignition switch is in the off position, all body electrical circuits will be inoperative except for the directional signals, hazard warning, stop light, backup light, and head lamp. These circuits are exempt from this requirement.	☐ YES ☐ NO

1.15.10 Heavy duty dual, 12-volt horns shall be furnished and installed to be protected from wheel wash.	☐ YES ☐ NO										
1.15.11 The bidder shall provide a back-up alarm (BUA) in compliance with SAE J994b with respect to acoustic performance for a Type B device but emitting at least 97 dba with a supply voltage of 12 volts.	BUA offered _____ _____ dba										
1.15.12 Two-way radio provision. Wiring to accommodate a two-way radio and antenna shall be installed in the vehicle. A 12- volt DC supply shall be used. This provision shall include all necessary wiring, grounding lines, cable lines, reinforcement plates, etc. to make this item complete and functional. Location of cabling for antenna shall be determined by using agency.	☐ YES ☐ NO ☐ YES ☐ NO										
1.15.13 Pre-wiring for Camera Surveillance System. All NC rural transit vehicles currently have surveillance cameras that will be transferred into new replacement vehicles. All new LTVs should be pre-wired for four (4) camera locations so that cameras can be removed from old vehicles and transferred to new vehicles. The view locations will be as follows: <table border="0"> <tr> <td><u>LTVs w/o lift</u></td> <td><u>LTVs w/ lifts</u></td> </tr> <tr> <td>Driver & Passengers</td> <td>Driver & Passengers</td> </tr> <tr> <td></td> <td>Lift</td> </tr> <tr> <td>Passenger Entry Door</td> <td>Passenger Entry Door</td> </tr> <tr> <td>Windshield</td> <td>Windshield</td> </tr> </table>	<u>LTVs w/o lift</u>	<u>LTVs w/ lifts</u>	Driver & Passengers	Driver & Passengers		Lift	Passenger Entry Door	Passenger Entry Door	Windshield	Windshield	☐ YES ☐ NO
<u>LTVs w/o lift</u>	<u>LTVs w/ lifts</u>										
Driver & Passengers	Driver & Passengers										
	Lift										
Passenger Entry Door	Passenger Entry Door										
Windshield	Windshield										
1.15.14 A Backup Camera – 7” color monitor; LCD with night vision shall be provided on the dash. Either OEM or aftermarket.	☐ YES ☐ NO Brand _____										
2.0 BODY											
2.1 Body - General											
2.1.1 This vehicle shall be of the “body on chassis” type and will involve construction of a bus body on a heavy duty cut-away van chassis or a light or medium duty truck chassis. The vehicle body shall be manufactured by a body manufacturer for transit applications, <u>not converted or modified to a transit vehicle from a passenger van or wagon, delivery vehicle, school bus, recreational vehicle, or similar vehicle.</u> The vehicle type offered shall meet FMVSS 220 requirements. Body construction shall be of a Galvanized Steel Frame with fiberglass reinforced plastic "Composite" or Metal Skin body panels.	Cutaway Chassis Offered ☐ YES ☐ NO Truck Chassis Offered ☐ YES ☐ NO ☐ YES ☐ NO										
2.1.2 The body shall be of sufficient strength to support the entire weight of the fully loaded vehicle on its top or side, if	Vehicle offered meets FMVSS 220:										

overturned. The vehicle type offered shall meet or exceed FMVSS 220 requirements. <u>A certified copy of the FMVSS 220 for roll over protection test results for the vehicle type offered shall be furnished with the bid to be considered for award.</u>	☐ YES ☐ NO FMVSS 220 Certification Attachment ☐ YES ☐ NO
2.1.3 Two types of Light Transit Vehicles will be awarded. Each will have exterior body finishing as follows: a) Body Type A, exterior of the LTV shall be constructed of a Galvanized steel frame with fiberglass reinforced plastic "Composite" body panels. b) Body Type B, exterior of the LTV shall be constructed of Galvanized steel frame with "Metal Skin" body panels.	Indicate below the body type offered for this bid: Body Type A: _____ Steel Reinforced Composite Body (complete section 2.2) Body Type B: _____ Metal Skin Body (complete section 2.3)
2.2 Body Type A: Steel Frame Reinforced Composite Body Construction	
2.2.1 The body structure shall be built as a steel safe construction to provide superior structural integrity for maximum safety and impact protection. The steel cage shall be adequately reinforced at all joints and corners where stress concentration may occur to adequately carry required loads and stand road shock.	☐ YES ☐ NO ☐ YES ☐ NO
2.2.2 All body structures are to be fixture welded including the floor, both sidewalls, roof, and rear wall. All joints are welded to form the structure with the exception of window radius extrusions which are mechanically fastened. The side and end framing shall be so designed and constructed that they will carry their proportion of the stresses around these openings. All posts in body side and roof sections shall be of durable channel or box construction securely fastened to the underframe structure so that the entire frame shall act as one unit without any movement at joining. The end posts shall be designed to resist shear at the welds. Joints shall be rigid.	☐ YES ☐ NO
2.2.3 The vehicle body structure shall incorporate a full jig-welded steel body framing for rear, side walls and roof including above the driver - one unitized steel cage. All structural support members shall be a minimum of 1 ½ " x 1 ½ ", 16-gauge galvanized steel tubing, or approved equal. These post assemblies or roll bars, shall be tied together with longitudinal stringers at the top and bottom lines of the window openings and at least one on the body roof centerline. Adequate reinforcement shall be provided around all doors, windows, and other openings in order to transfer stresses around these openings.	Full jig-welded – unitized steel cage: ☐ YES ☐ NO Describe Framing Offered: _____ " X _____ " tubing _____ gauge steel Other: _____
2.2.4 The entire body frame (walls, roof, and rear) shall be securely constructed to provide an integral one-piece body structure. Fastening of the roof and side walls shall be securely welded or fastened to the cab section at the floor, sides and top.	Structure is securely fastened by the following method: _____

2.2.5 The body shall be bolted through the sub-floor structure to the chassis frame as recommended by the chassis manufacturer. A ¼ rubber isolator is placed between the hat channel and the chassis frame rail running the length front to back and fastened down using bolts. The body to chassis mounting system provides full length isolation of the floor frame and chassis frame with the exception of the rear axle frame hump. This process spreads the load of the body evenly across the frame from front to rear for a unified weight load resulting in less stress on the floor structure and reduced vibration and road noise. Welding of any body understructure to the chassis frame will not be permitted.	☐ YES ☐ NO
2.2.6 Before assembling, all metal body structural parts shall be given a thorough multiple stage anti-corrosion treatment. Galvanized steel tubing should be used to build the entire body frame. Any sections that are welded shall be primed with a galvanized primer to prevent corrosion.	☐ YES ☐ NO
2.2.7 All joints shall be caulked and sealed at the time of construction to produce water and dust tight seal. Tape-over joints are not permitted.	☐ YES ☐ NO
2.2.8 All exterior body panels (walls and roof) shall be fiberglass reinforced plastic "Composite" body panels over steel frame. Skirt panels shall be of same material type as body panels. All types of panels shall comply with the applicable FMVSS.	Exterior Body Panels: _____ Skirt Panels: _____
2.2.9 Pop rivets or sheet metal screws will not be acceptable for fastening the vehicle exterior panels. The sidewall components may be vacuum laminated using water activated urethane adhesive. Any method of using two-sided tape or measure lamination using rollers as the only bonding agent to fasten the exterior panels will not be acceptable. All panels should be installed so that they can shed water. That is, the leading panel shall be lapped over the following panel, and in no case shall the sealing of the panels be dependent on caulking alone. All exterior joints and seams shall be protected by the application of a caulking compound. Body shall be sealed and made tight to prevent dust or moisture entering the passenger and driver's compartments.	Method used to attach exterior panels: _____ _____ _____ _____
2.2.10 All nuts, bolts, clips, washers, clamp and like fasteners shall be zinc or cadmium plated, or phosphate coated or stainless steel to prevent corrosion.	Corrosion preventative: _____
2.2.11 All bolts shall be treated with Loctite or approved equal on the entire vehicle.	☐ YES ☐ NO
2.3 Body Type B: Steel Frame Reinforced Metal Skin Body Construction	

2.3.1 The body structure shall be built as a steel safe construction to provide superior structural integrity for maximum safety and impact protection. An integral unit adequately reinforced at all joints and corners where stress concentration may occur to adequately carry required loads and stand road shock.	☐ YES ☐ NO
2.3.2 All body structures are to be fixture welded including the floor, both sidewalls, roof, and rear wall. All joints are welded to form the structure with the exception of window radius extrusions which are mechanically fastened. The side and end framing shall be so designed and constructed that they will carry their proportion of the stresses around these openings. All posts in body side and roof sections shall be of durable channel or box construction securely fastened to the underframe structure so that the entire frame shall act as one unit without any movement at joining's. The end posts shall be designed to resist shear at the welds. Joints shall be rigid.	☐ YES ☐ NO
2.3.3 The vehicle body structure shall incorporate a full jig-welded steel body framing for rear, side walls and roof including above the driver - one unitized steel cage. All structural support members shall be a minimum of 1 ½ " x 1 ½ ", 16-gauge galvanized steel tubing, or approved equal. These post assemblies or roll bars shall be tied together with longitudinal stringers at the top and bottom lines in the window openings and at least one on the body roof centerline. Adequate reinforcement shall be provided around all doors, windows, and other openings in order to transfer stresses around these openings.	Full jig-welded – unitized steel cage: ☐ YES ☐ NO Describe Framing Offered: _____ " X _____ " tubing _____ gauge steel Other: _____
2.3.4 The entire body frame (walls, roof, and rear) shall be securely constructed to provide an integral one-piece body structure. Fastening of roof and side walls shall be securely welded or fastened to the cab section at the floor, sides and top.	Structure is securely fastened by the following method: _____ _____
2.3.5 Any method of construction that results in other than the level of quality as defined above will not be acceptable. The State will be the final judge if the proposed structural construction is acceptable.	☐ YES ☐ NO
2.3.6 The body shall be bolted through the sub-floor structure to the chassis frame as recommended by the chassis manufacturer. A ¼ "rubber isolator is placed between the hat channel and the chassis frame rail running the length front to back and fastened down using bolts. The body to chassis mounting system provides full length isolation of the floor frame and chassis frame with the exception of the rear axle frame hump. The process spreads the load of the body evenly across the frame from front to rear for a unified weight load resulting in less stress on the floor structure and reduce vibration and road	☐ YES ☐ NO

	noise. Welding of any body understructure to the chassis frame will not be permitted.	
2.3.7	Before assembling, all metal body structural parts shall be given thorough multiple stage anti-corrosion treatment. Galvanized steel tubing should be used to build the entire body frame. Any sections that are welded shall be primed with a galvanized primer to prevent corrosion.	☐ YES ☐ NO ☐ YES ☐ NO
2.3.8	All joints shall be caulked and sealed at the time of construction to produce water and dust tight seal. Tape-over joints are not permitted.	☐ YES ☐ NO
2.3.9	All exterior body panels (walls and roof) shall be prime commercial quality zinc-coated steel, aluminum-coated steel, stainless steel, aluminum, or aluminum alloy. Skirt panels shall be of same material type as body panels. All types of panels shall comply with the applicable FMVSS.	Exterior Body Panels: _____ Skirt Panels: _____
2.3.10	Pop rivets or sheet metal screws will not be acceptable for fastening the vehicle exterior panels. The sidewall components may be vacuum laminated using water activated urethane adhesive. Any method of using two-sided tape, pressure lamination using high pressure rollers as the only bonding agent to fasten the exterior panels will also not be acceptable. All panels should be installed so that they can shed water. That is, the leading panel shall be lapped over the following panel and in no case shall the sealing of the panels be dependent on caulking alone. All exterior joints and seams shall be protected by the application of caulking compounds. Body shall be sealed and made tight to prevent entrance of dust or moisture entering the passenger and driver's compartments.	Method used to attach exterior panels: _____ _____ _____ _____
2.3.11	All nuts, bolts, clips, washers, clamp and like fasteners shall be zinc or cadmium plated, or phosphate coated or stainless steel to prevent corrosion.	Corrosion preventative: _____
2.3.12	All bolts shall be treated with Loctite or approved equal on the entire vehicle.	☐ YES ☐ NO
2.4	Floor Construction	
2.4.1	The entire floor shall be supported by a full jig-welded steel sub-floor understructure. The perimeter shall be 2"x 2" 16-gauge galvanized steel tubing or equivalent. The cross sections shall be 2"x 2" with 16-gauge galvanized steel tubing or equivalent on centers no greater than 16" or equal structural construction.	Full jig-welded – flooring: ☐ YES ☐ NO Describe Framing Offered: _____ " X _____ " tubing _____ gauge steel

		Cross members on Centers: _____
2.4.2	Sub-floor shall be securely welded or fastened to cab section and bolted to chassis frame. Welding of any floor under structure members to the chassis will not be acceptable.	☐ YES ☐ NO
2.4.3	The subflooring shall be a minimum 3/4" thick, A-C marine grade, waterproof and fire-retardant plywood or equivalent securely fastened to the understructure.	Subflooring thickness: _____ " Grade of Plywood: _____
2.4.4	If flat floor is used (this may be necessary for some wheelchair floor plans) floor shall be supported by a fully welded steel sub-floor structure. A minimum of 74" interior height at center of aisle shall be provided.	Flat Floor will be used on all floor plans: ☐ YES ☐ NO Flat Floor will be used only on wheelchair accessible floor plans: ☐ YES ☐ NO Minimum interior height: _____ "
2.4.5	The entire body frame and under structure of the vehicle including fender, wheel wells, and the flooring shall be fully undercoated with a nonflammable, petroleum-based material applied at the time of manufacture All openings in the floorboards and firewall shall be sealed.	☐ YES ☐ NO Type of undercoating used: _____ ☐ YES ☐ NO
2.4.6	Rear wheel housings to be of 14-gauge (minimum) one-piece galvanized steel or heavy gauge reinforced ABS construction. Wheel housings are to be constructed and adequately reinforced to prevent deflection. Ample clearance shall be provided for tires under load and operating on both smooth and rough terrain. All steel to be treated for corrosion resistance. In the event that tires extend beyond the side of the vehicle, splash aprons and fenders shall be provided. Front wheel housings are to be as provided with the chassis cab section.	☐ YES ☐ NO Rear Wheel Housing Gauge Steel _____

2.4.7 Stepwells are to be of one-piece steel construction. Stepwell is to be constructed with a minimum of 14-gauge steel for the stepwell sides, and the steps will be constructed with a minimum of 10-gauge steel that are adequately reinforced to prevent deflection or buckling under the weight of a 400+ pound passenger. All steel shall be treated for corrosion resistance. Stepwell will have two (2) or more steps; all risers shall be equal. Each step to be at least 30" wide and have a minimum tread depth of 8 1/2". Maximum riser height will be 10". Step treads and riser are to have one continuous piece of vinyl eliminating the seam at the back of the step. Tread to be supported at the upward bend at the back of the step and up the riser by coving material. The threshold shall have a yellow band running the full width of the edge. All step edges shall also have a band of yellow running full width of the step with a heat welded seam.	Stepwell sides gauge of steel: _____ Stepwell steps gauge of steel: _____ No. of risers: _____ Width of steps: _____" Riser height: _____" Tread depth: _____" Step tread and threshold yellow nosing: ☐ YES ☐ NO
2.4.8 Easy access shall be provided where necessary to service transmission, engine, radiator, batteries, and air conditioning components.	☐ YES ☐ NO
2.4.9 Any bright metal exterior trim shall be either stainless steel, polished aluminum, or chrome plated.	Offered:
2.5 Doors	
2.5.1 The vehicle shall be equipped with a minimum 14-gauge steel framed entry/exit door. The door shall be a two-leaf or bi-fold outward opening door. Clear door opening width shall be a minimum of 30" with a minimum height of 76" from the first step to door header. An extension of the basic van door is not acceptable.	Entry Door: _____Gauge ☐ two-leaf ☐ Bi-fold Clear door opening:
2.5.2 The passenger entry door shall be located to the right of the driver at approximately a 90-degree angle for maximum viewing of entry way. Passenger entry door shall incorporate a full-length window or separate top and bottom windows of glass. Window shall allow full view of curb. Laminated or tempered safety glass or an approved equal shall be required.	Window Glass in door: ☐ FULL ☐ SPLIT/ TOP Type of Glass in door: _____ ☐ YES ☐ NO
2.5.3 The entry door shall be fully encompassed by an integrally welded steel door surround. The complete door surround including stepwell, sidewalls and header shall be a minimum of 14-gauge steel; the steps of the stepwell shall be a minimum of 10-gauge steel and be installed in the body as a single unit. At the center meeting edge, a 2" rubber seal shall be installed so that the edges form a tight overlapping seal when closed.	☐ YES ☐ NO sidewalls and header: _____Gauge steps of the stepwell: _____Gauge ☐ YES ☐ NO

2.5.4 The entry door shall be opened and closed by the driver activating an electric door switch. Each door panel shall be actuated together by a single electric powered overhead actuator. The actuator will also be equipped with an emergency manual release lever. The door mechanism will be equipped with tapered bushings to provide self-adjustment. For safety purposes, the door shall only be able to be activated when vehicle is stopped and in park and shall be fully closed before vehicle can be re-engaged in driving mode.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
2.5.5 A 1-1/4" stainless steel grab bar, with a or approved equal, approx. 40" in length, shall be securely fastened to the interior of the doorway to assist passengers in entering or exiting the vehicle.	☐ YES ☐ NO
2.5.6 A driver's door should be provided to the left of the driver's area. This door shall have a power lock with a keyless remote.	☐ YES ☐ NO ☐ YES ☐ NO
2.5.7 A full vision emergency rear door shall be provided. The vehicle shall be equipped with a rear opening emergency door with glass in both the top and bottom panels, allowing for maximum visibility behind the vehicle. No seats shall block access to the door handle or prevent egress out of the door in the event of an emergency. The inside door handle shall be on the left side of the door, as facing the door on the inside. The door shall be clearly marked as an "EMERGENCY EXIT" in letters at least two (2") inches high at the top of the door or directly above the exit on the inside of the vehicle. A two (2) candle power red lens light or equal mounted above the door shall be wired to be illuminated at all times that the vehicle is in use. Operating instructions shall be clearly written in large letters located on the inside on the door. The emergency exit shall have a horizontal opening of at least 30 inches, and a vertical opening of at least 58 inches measured from floor level. The door shall be able to be opened from the inside or outside. Also, the emergency door shall be equipped with a locking device on the inside of the bus. Either an audible warning signal which sounds if both the emergency door is locked, and the ignition switch is on or an interlock which prevents starting of the engine when the emergency door is locked shall be provided on the vehicle.	Full Vision Emergency Rear Door ☐ YES ☐ NO Size of door: Audible warning signal ☐ YES ☐ NO
2.5.8 Lift door requirements are listed at Specification section 4.2.	
2.6 Windshield and Windows	

2.6.1 The windshield is to be a one-piece design as is provided by the chassis manufacturer. Windshield shall be laminated tinted safety glass.	☐ YES ☐ NO
2.6.2 The driver's door shall have a power window.	☐ YES ☐ NO
2.6.3 The side passenger windows shall be a transit type, as opposed to the school bus type. It is desired to maintain a transit type appearance; school bus type windows will not be acceptable. Passenger windows shall be capable of opening to ensure ventilation. Windows shall be a horizontal sliding type or may supply a top or bottom section "T"-sliding portion. Latches shall be provided to prevent undesired movement of operable portion.	Offered: ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
2.6.4 The view (eye) level shall be measured from the top of the side windows. This view level shall be a minimum of 57" measured from the floor. The bottom of the window shall not be above the level of the seat back.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
2.6.5 Hinged emergency escape window(s) shall be provided on each side, near the middle of the vehicle. Windows should be designed and installed to meet FMVSS 217 for emergency egress. Emergency windows shall be clearly labeled and operating instructions clearly visible. A minimum of one (1) emergency window on each side shall be provided on the 20' and 22' LTV. A minimum of two (2) emergency windows on each side shall be provided on the 25' and 28' LTV.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO Offered: 20'/22' LTV: 25'/28' LTV:
2.6.6 All passenger area windows shall be tempered or laminated safety glass. Windows are to be dark tinted to approximately 31% light transmission.	Offered:
2.6.7 All passenger windows shall be installed in black powdered or anodized aluminum frames or the equivalent. Each side passenger window shall be a minimum of 100" perimeter dimension.	☐ YES ☐ NO ☐ YES ☐ NO

	Windows shall be sealed between the body and window frame with a D style closed cell rubber seal appropriate for the vehicle.	Seal Offered:
2.6.8	A water test shall be conducted after windows are installed; certification shall be included with delivery of the vehicle that windows are watertight.	☐ YES ☐ NO
2.6.9	All windows shall meet all state and FMVSS requirements, including but not limited to FMVSS 205 and 217.	☐ YES ☐ NO
2.7	Bumper	
2.7.1	The 20'/22'/25' LTV vehicle shall be provided with front and rear bumpers. Energy absorbing bumpers such as the "HELP" type produced by Romeo Rim, Inc., or the Tran spec Energy Absorbing Bumpers or approved equal, shall be provided, and attached to the chassis frame with ½" diameter grade 5 bolts.	Type Offered: Front _____ Rear _____
2.7.2	Bumpers shall be fastened directly to the chassis frame to allow shock from impact to be transmitted directly to the chassis frame. Bumpers shall be fully enclosed, so that there is no open space between the bumper and the body of the vehicle. Utilization of Anti-ride Plates may be necessary to "fill-in" space between bumper and body.	☐ YES ☐ NO ☐ YES ☐ NO
2.7.3	The 28' LTV and optional diesel buses may utilize the OEM chassis standard OEM front chrome bumper in lieu of the energy absorbing bumper.	Type of bumper offered on 28' LTV: _____
4.4	Exterior Lighting	
4.4.1	All exterior lights shall meet all applicable FMVSS and State requirements. All exterior lights, except the chassis OEM lights, to be LED.	FMVSS and State Requirements ☐ YES ☐ NO Body – LED lighting ☐ YES ☐ NO
2.8.2	Halogen headlamps are required with high and low beam controlled with manufacturer's standard switch.	☐ YES ☐ NO
2.8.3	Daytime Running lights	☐ YES ☐ NO
2.8.4	Directional signals shall meet FMVSS for both front and rear. Directional signals shall be operated by lever on left side of steering column.	☐ YES ☐ NO ☐ YES ☐ NO
2.8.5	In addition to front and rear turn signals, Mid-Ship LED turn signal/running lights shall be mounted on either side of the LTV (location TBD by DOT).	Mid-Ship Turn Signals provided: _____

Amber, 6" oval, sealed lights that have a weather tight connection with a chrome grommet shall be provided. Signals shall meet all FMVSS and state requirements.	☐ YES ☐ NO ☐ YES ☐ NO
2.8.6 In addition to directional signals, rear lamps shall consist of red combination stop/taillights. A center mounted rear brake light shall be provided.	☐ YES ☐ NO ☐ YES ☐ NO
2.8.7 A circuit shall be provided for the directional signals which, when on, will cause them to function as traffic hazard warning signals.	☐ YES ☐ NO
2.8.8 A rear license plate light shall be provided as a part of the exterior surface mounted frame.	☐ YES ☐ NO
2.8.9 Two (2) back-up lights shall be provided.	☐ YES ☐ NO
2.8.10 If lift is provided, illumination for the lift door and surrounding area shall meet all FMVSS and ADA requirements.	☐ YES ☐ NO
2.9 Roof Ventilator/Emergency Exit	
2.9.1 A dual purpose manually operated roof ventilator/emergency exit shall be installed in the roof of the vehicle at approximately the center of the passenger compartment. The hatch shall be at least 23" x 23" minimum and shall be installed so that when it is open and the vehicle is in a forward motion, fresh air will circulate in the vehicle. Specialty Manufacturing Inc. / Tran spec model 1075 or approved equal. The hatch shall meet all applicable federal safety standards.	Roof Ventilator Offered: ☐ YES ☐ NO ☐ YES ☐ NO
2.10 Exterior Mirrors	
2.10.1 Heated motorized remote outside right and left side view mirrors shall be provided. Mirrors shall be approx. 15" x 8" in size and constructed of anodized aluminum, chrome plated or other non-corrosive materials. Bottom of mirror, approximately 3", shall be convex mirror. Lucerix, Rosco mirrors or approved equal shall be provided.	Heated motorized remote mirrors offered: ☐ YES ☐ NO ☐ YES ☐ NO
2.11 Finishing Procedures	
2.11.1 All bare metal components shall be properly prepared, primed, and painted with an acrylic enamel paint to match the chassis cab. All welded areas should have particular attention. Please specify procedure.	Procedure used on bare metal:

2.11.2 All bolts shall be treated with Loctite or approved equal on the entire vehicle (Repeated for emphasis).	☐ YES ☐ NO
2.11.3 All screws shall be fastened securely into panels or structural members of the vehicle to prevent them from working loose. (Repeated for emphasis).	☐ YES ☐ NO
2.12 Rustproofing	
2.12.1 This item requires that a compound or sealant to be applied to all appropriate interior and exterior surfaces of the vehicle to retard rusting of the metal. Seams shall be penetrated by the compound. All critical areas including, but not limited to, gravel –water shields, suspension system, battery supports, wheel wells, rocker panels, hidden boxed-in areas, the interior of doors, exterior door bottoms, pillars, and clipped-on molding shall be treated. Care shall be taken that the application does not interfere with any mechanical, electrical or heat transfer details of the vehicle.	☐ YES ☐ NO
2.12.2 Access holes shall not be larger than 3/8 inches and accurately located to maintain structural integrity of body members and to avoid damage to hidden parts. After application, all holes except drain holes will be capped with plastic or rubber seal type caps. Drain holes or passages shall be opened to assure proper water and moisture drainage after process.	☐ YES ☐ NO ☐ YES ☐ NO
2.12.3 Any excess rustproofing coating material due to overspray, drips or runs, shall be removed from the interior of the vehicle. The entire vehicle shall be clean and free of dirt, grime, debris and so forth after completion of the rustproofing process.	☐ YES ☐ NO
2.12.4 The end product of this specification is to provide for a long maintenance free life for the body of the vehicle by prevention of premature rust destruction. The rustproofing system used shall be equivalent to or better than the Ziebart Class A Rust Protection System. Proof of equivalency will be required of the successful bidder with the bid. Proof shall include, but is not limited to, a complete description of the application method used, including the type of compound used, a sketch or other means showing the exact points of application, and a complete list of all areas protected by the rustproofing.	☐ YES ☐ NO Rustproofing System Offered:
2.13 Exterior Color	
2.13.1 All exposed metal surfaces, excepting aluminum and stainless steel, shall be painted, chromed, or galvanized.	☐ YES ☐ NO
2.13.2 Composite body finishes shall be the white standard finish in high glass gelcoat or approved equal as recommended by the	☐ YES ☐ NO

body manufacturer. (Two-tone, strips, and logos are addressed in optional equipment section.)	
2.13.3 Metal body finishes shall be the white baked-on enamel paint or approved equal, as recommended by the body manufacturer. (Two-tone, strips and logos are addressed in optional equipment section.)	☐ YES ☐ NO
2.13.4 Vendor/Dealer Decal Advertisements: Vehicle manufacturer may have brand name on vehicle, i.e., Ford XXX, Chevrolet XXX. Authorized dealers of the vehicle manufacturers will not be permitted to attach their decal/advertisement, of any type, to the vehicle inside or outside. Authorized Alterer may attach one (1) decal of a size no larger than 3"x5" to the rear door. No other vendor decals/advertisement will be permitted elsewhere on the van, inside or outside. No vendor printed license plates will be permitted. No vendor decals will be permitted to cover up holes on the interior or exterior of van. A sticker giving lift operation instructions shall be mounted on the inside of rear door when there is a rear lift. The international lift symbol shall be attached to the lift door but no larger than 5"x7".	☐ YES ☐ NO
2.14 Driver's Running Board	
2.14.1 The running board shall be mounted on the driver's side of the vehicle. The step shall extend from the left front wheel well to the rear of the driver's door and shall incorporate a mud flap behind the front wheel. Step may be tapered with the narrow part of the step at least 8" in the front to about 12" near the rear or the step may be the full width of 12". The step shall have a max. height of 12" from the top of step to the ground.	Driver's Side Running Board Dimensions: Height from Ground: _____"
2.14.2 The step shall be rattle-free and made of one-piece construction. The step material shall be of aluminum or stainless steel and have a diamond plate or "punched" surface to be slip-resistant. The step should be appropriately braced and secured to the vehicle and be capable of supporting a minimum of 500 pounds. The addition of the step shall not degrade the integrity of the vehicle. All edges shall be smooth and free of any rough edges.	Step Material Gauge: _____ Load capacity of step: _____lbs. Braces provided: _____
2.14.3 Entire surface of metal step and mounting apparatuses shall be properly treated with an anti-corrosion sealant to prevent rust for the life of the vehicle. The addition of the step shall not degrade the integrity of the vehicle.	Anti-corrosion sealant for all exposed metal: _____

3.0 INTERIOR		
3.1 Paneling and trim		
3.1.1	All interior panels shall be rust and fire-resistant polyurethane (IMRON or equivalent) painted or vinyl-clad sheet steel, aluminum, melamine, fiberglass reinforced plastic, or other plastic with colors harmonizing with seat and exterior vehicle colors. Panels shall be of sufficient thickness or adequately supported to prevent buckling. Fiber, wood, or vinyl covered fiber or wood panels are not acceptable.	Interior Panels Offered: _____
3.1.2	Vinyl covered neoprene foam padding shall be used to cover interior areas above passenger eye level where there is possibility of striking the head. It should be securely fastened to the body structure. Vinyl covered foam padding may also be used as trim pieces and close-out panels in the driver cab area.	Interior Padding Offered: _____
3.1.3	Panels shall be bonded, welded, or riveted in place. If rivets are used, they shall be well concealed or covered. Fasteners inside walls should not be visible.	☐ YES ☐ NO
3.1.4	All joints in the interior paneling shall be covered by trim strips or moldings or flush against each other eliminating the need for trim covering. All sharp edges, sharp corners, and/or protrusions shall be eliminated for safety reasons. Any fastenings or other objects that can catch a passenger's clothing or cause injury shall be avoided.	☐ YES ☐ NO
3.1.5	All bolts shall be treated with Loctite or approve equal on the entire vehicle.	☐ YES ☐ NO
3.1.6	All screws shall be fastened securely into panels or structural members of the vehicle to prevent them from working loose.	☐ YES ☐ NO
3.2 Insulation		
3.2.1	Insulation shall be provided between the inner and outer panels in both the walls and roof area.	☐ YES ☐ NO
3.2.2	1-1/2" fiberglass blankets, 1" high-density polystyrene, R-6 Urethane foam or approved equal shall be provided composite body vehicles may use an alternate method that provides a minimum of R-6 insulation rating. Material shall be compatible with rubber or plastic hoses and wiring insulation so as to prevent a chemical reaction occurring where contact may be made. Adequate insulation properties shall be provided to ensure minimum heat, cold and noise penetration into the vehicle interior.	Insulation Type Offered: _____ ☐ YES ☐ NO ☐ YES ☐ NO

The material shall be fire and mildew resistant. Insulated areas shall be sealed to minimize entry of moisture.	☐ YES ☐ NO ☐ YES ☐ NO
3.2.3 Care should be used so that no service or access ports to equipment is covered with excess overspray of insulation Styrofoam or other insulation material. Example would be air conditioning system ports.	☐ YES ☐ NO
3.3 Flooring	
3.3.1 Plywood floor as specified in Body Structure section 2.4.3; the subflooring shall be a minimum 3/4" thick, A-C marine grade, waterproof and fire-retardant plywood or equivalent, securely fastened to the understructure.	Subflooring thickness: _____ " Grade of Plywood: _____
3.3.2 The floor covering shall be wall-to-wall, fire resistant, slip-resistant, transit quality flooring securely bonded to the plywood floor with waterproof type adhesive. An invisible heat welded seam shall be run along the side under the seats. All edges in the floor covering shall be properly sealed. There shall be no bubbles or blisters in the floor covering.	☐ YES ☐ NO ☐ YES ☐ NO
3.3.3 Altro, Gerflor Tarabus, 2.2 mm minimum thick smooth vinyl transit flooring, or approved equal, shall be provided. The floor covering shall be color keyed to the interior of the vehicle with the exception of the center aisle. The center aisle from the rear of the vehicle to the front just behind the driver's seat shall be white or off white in order to aid the visually impaired.	Brand: _____ Thickness: _____ " Floor color: _____ Aisle color: _____
3.3.4 Landing area and step edgings are to be yellow safety vinyl edging or metal trim with yellow insert. Vinyl edgings are to be heat welded to the main floor and step tread to provide for a long-lasting seam. Step tread and riser are to be one continuous piece construction eliminating a seam at the back of the step. Tread to be supported at the upward bend at the back of the step and up the riser by coving material.	Landing area and step edgings: ☐ Vinyl ☐ Metal trim
3.3.5 A slip-resistant surface shall be provided in the step area of the driver and passenger door entrances.	☐ YES ☐ NO
3.3.6 A heated stepwell shall be provided for snow and ice conditions. A hot water/coolant reservoir located under the stepwell area to keep this free and clear of ice accumulating as it is tracked in by passengers. Reservoir shall be bolted in place under the stepwell. Other methods for the heated stepwell	Heated Stepwell description: _____ _____ On/off switch location:

may be acceptable. On/off switch shall be provided on dash accessible to driver.	_____
3.3.7 Black or clear silicone caulking shall be used at all points where moisture may enter the flooring material.	☐ YES ☐ NO
3.4 Seating	
3.4.1 Floor Plans Vendor to provide at least 3 distinct floor plans (at least 1 without a wheelchair station and at least 2 with wheelchair stations)	
3.4.2 All seats shall be semi-contoured or pleated type bench or individual seats. Seats shall have an individual spring suspension system. Seats are to be consistent with what is acceptable as standard transit quality construction. Freedman Feather Weight seats or approved equal shall be provided. School bus type seats are not acceptable. All seating shall meet all applicable FMVSS requirements including FMVSS 302.	☐ YES ☐ NO ☐ YES ☐ NO Brand of seats offered: _____ ☐ YES ☐ NO
3.4.3 Seat frames are to be constructed of heavy duty, minimum 1" diameter, 14-gauge steel tubing. All seat frames are to be welded. All metal surfaces shall be chemically cleaned, iron phosphate, painted and baked to provide rugged, long lasting, rust resistant surfaces. Seats shall be spaced on a minimum of 30" seat centers, allowing maximum space between the front of the bottom cushion and the back of the next forward seat.	☐ YES ☐ NO Gauge: _____ ☐ YES ☐ NO ☐ YES ☐ NO
3.4.4 All seats shall provide the following minimums: Seat width of 17" per passenger/ 34 per two passenger seats. Seat backs shall be at least 36" in height measured from the floor to the top of the seat back. Seat cushions shall be approximately 18" above the floor Seat cushions shall have a minimum depth of 18".	Seat dimensions offered: Seat width: ____" Seat back height from floor: ____" Seat cushion height from floor: ____" Seat cushion depth: ____"
3.4.5 Seats shall be full foam padded (4") and shall be constructed with individually removable backs and bottom cushions for ease of repair and replacement. Cushions shall be removable without removing frames from bus.	☐ YES ☐ NO Foam padding _____" ☐ YES ☐ NO
3.4.6 Both Level 3 vinyl and Level 3 woven cloth fabric shall be offered for seats.	Level vinyl and cloth offered: _____

Seats shall be covered with a choice of commercial grade vinyl minimum 36 ounces per linear yard or heavy-duty woven fabric, treated with Scotch guard, or similar stain resistant product. Selection will be provided from manufacturer's standard list. Vinyl and fabric colors shall complement both interior and exterior colors. Padding and covering shall be fire-resistant and meet all applicable FMVSS.	Seating covering selection is Attachment ☐ YES ☐ NO ☐ YES ☐ NO
3.4.7 Successful vendor(s) shall submit color swatches of vinyl and cloth fabric to be used within 10 business days of request.	☐ YES ☐ NO
3.4.8 All seats shall be installed with Grade 5 nuts and bolts.	☐ YES ☐ NO
3.4.9 Seat backs shall incorporate a PERMANENT, STEEL-CORE, ANTI-VANDAL GRAB BAR on the top of aisle forward facing seat. Each foldaway seat shall also incorporate a grab bar on the aisle side of the seat. GRAB BARS SHALL BE BLACK.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.4.10 On wheelchair/mobility aid floor plans, Freedman 3-step foldaway seats or approved equal, shall meet the above seat requirements and dimensions with the exception of seat back height, this may be a minimum of 17". When seat is in stored position, width shall not exceed 15". Foldaway seats shall also be color-keyed to the permanent passenger seats.	Brand of seats: _____ Seat Dimensions: _____ Stored Dimensions: _____ ☐ YES ☐ NO
3.4.11 Driver's seat shall be a high-back padded bucket type seat with lumbar support and right arm rest. Seat shall be adjustable fore and aft; and be adjustable up and down with the Adnik power base seat or approved equal. EXCEPTION: OEM BASE TO BE PROVIDED FOR THE 28' FORD; OEM EQUAL F550 CHASSIS. Vinyl or cloth upholstery shall be the same as specified in 3.4.6.	20'/22'/25' LTV Driver's Seat Offered: Power base for seat: _____ 28' LTV Driver's Seat: _____
3.5 Passenger Restraint System	
3.5.1 Driver's seat shall have a unbelt-type three-point restraint system with retractor. Restraint shall be attached to structural members of the vehicle.	☐ YES ☐ NO ☐ YES ☐ NO
3.5.2 Each passenger seat position shall be equipped with a single Freedman USR passenger restraint belt or approved equal.	Mfr.: Model no.:

Belt shall have push button release with under the seat retractors, to hold passengers securely in their seated positions during normal operation of the vehicle. All restraints shall be compatible for use with child safety seats and shall meet applicable FMVSS passenger and child seat regulations. The buckles provided on the restraints shall be able to be threaded through the back or front of a child safety seat. Each belt shall be sufficient in length to accommodate a very large adult – minimum length belt 60”.	Length of belts: _____ “ ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.5.3 Two (2) seat belt extenders shall be provided with each vehicle and shall meet applicable FMVSS requirements.	☐ YES ☐ NO
3.5.4 Seat belts shall be securely attached to the passenger seat frame. Seat frame/seat belt pull test certification shall be included with the bid.	☐ YES ☐ NO Seat Pull Test Certification Included ☐ YES ☐ NO
3.6 Floor Plans	
3.6.1 Seating arrangement shall be configured with all forward-facing seats, a center aisle, and equal distance between seats.	☐ YES ☐ NO Aisle width: _____ Knee room: _____
3.7 Lighting	
3.7.1 Interior shall be illuminated so as to provide a minimum of 6-foot candles of illumination over the entire normal reading position of each two passenger’s cross seat. Each row or w/c station shall have a light. Lights should be operable from the driver's position. Incandescent lighting or LED lighting should be provided as offered as the manufacturer’s standard. Lights shall operate with or without engine running.	☐ YES ☐ NO ☐ YES ☐ NO Lighting provided: ☐ LED ☐ Incandescent 20’/22’ lights: _____ 25’ lights: 28’ lights: ☐ YES ☐ NO
3.7.2 Front door hooded stepwell light shall be mounted and wired to light when the door is open so stairwell and immediate outside area, in front of and to the side of the stepwell is illuminated.	☐ YES ☐ NO
3.7.3 Adequate light shall be provided for the instrument panel, with intensity controlled by a dimming dial.	☐ YES ☐ NO

3.7.4 All interior lighting shall meet applicable FMVSS and ADA requirements.	☐ YES ☐ NO
3.8 Instrument Panel, Dash, and other Controls	
3.8.1 Dash shall be color coordinated with interior trim color coordinated with interior trim color if possible. If only color choices available from the chassis manufacturer are black and gray; gray is preferred color; black will be acceptable if no other option is available.	☐ YES ☐ NO Indicate dash color:
3.8.2 A storage area for the driver should be provided, preferably above the driver's location. It should be lighted and have a lock.	☐ YES ☐ NO
3.8.3 Driver's sun visor and a fully adjustable interior rear-view mirror to be provided.	☐ YES ☐ NO
3.8.4 Driver's front and side air bag to be provided from OEM.	☐ YES ☐ NO
3.8.5 Driver's mirror – approximately 12" x 6", mounted above driver to view rear of bus.	Driver's mirror mounted above the driver: _____
3.8.6 Instrument panel and dash shall be equipped with the following instruments, gauges, and controls. All controls and switches shall be grouped on a single panel in full view and within easy reach of the driver with no instruments obstructed by controls, trim panels or other appurtenances and arranged in consistent and uniform manner. Standard automotive dash panels are acceptable; no instruments, gauges or switches may be located overhead or above the driver's head. Lights in lieu of gauges are not acceptable except as noted. <u>Gauges and light indicators:</u> Engine hour meter (diesel only) Speedometer with odometer Oil pressure gauge Ammeter or voltmeter consistent with alternator size Engine coolant temperature gauge Fuel gauge Upper beam head lamp indicator (light) Directional signals (light) Parking brake on (light) <u>The following controls, in addition to the steering, braking and transmission functions, are to be provided:</u> Tilt steering wheel lever	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO

Master exterior light switch Passenger compartment lights Inside hood release Separate switch and temperature controls for driver heaters and defrosters Air vents Power charger (s) Standard OEM AM/FM push button radio w/digital clock Windshield wiper and washer – two speeds with intermittent feature Emergency flashers Wheelchair lift on/off switch, for lift vehicles	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.9 Heating and Cooling	
3.9.1 The heating system shall have at least two (2) heaters, one (1) located in the driver's area and one (1) in the passenger area.	☐ YES ☐ NO
3.9.2 Heaters are to be controlled individually by switches that have at least three (3) positions; low, high, and off, and are individually controlled from the instrument panel.	☐ YES ☐ NO
3.9.3 The front heater shall be OEM and include defrost for the windshield and driver's window.	☐ YES ☐ NO
3.9.4 The passenger heater(s) shall be located toward the rear of the bus, under seats, but shielded to prevent blowing onto passenger's legs, and shall produce even interior temperature. Alternate location may be selected with approval of DOT.	☐ YES ☐ NO Location of heater: _____
3.9.5 Output of the passenger heater(s) shall be at least 40,000 BTU's (20') and 65,000 BTU's (22'/25'/28') and achieve a 65-degree interior temperature with an empty coach when the ambient temperature is zero (0) degrees F. A cut-off water valve to permit the water circulation to the heater(s) to be shut off during hot weather shall be installed behind the driver's area underneath the floor that is accessible or in a conveniently accessible location in the engine compartment.	Heater output offered: 20' LTV_____BTU 22'/25'/28' LTV_____BTU Location of water cutoff: _____
3.9.6 Dual air conditioning systems shall be provided and shall have the combined capacity to cool within 30 minutes and maintain a constant interior temperature of 73 degrees F +/-2 degrees F	☐ YES ☐ NO

	with a seated load of passengers when the outside ambient temperature is 95 degrees F with a relative humidity of 80%.	
3.9.7	Driver's Area; in-dash air conditioning shall be OEM from the chassis manufacturer.	☐ YES ☐ NO
3.9.8	Compressor #1: Chassis-supplied compressor required for all categories.	Chassis OEM ☐ YES ☐ NO
3.9.9	Condenser #1: OEM supplied radiator mounted condenser.	☐ YES ☐ NO
3.9.10	Evaporator #1: Driver's in-dash evaporator, 12,000-19,000 BTU/hr., shall be separately controlled from the passenger area system. It shall include off/low/medium/high fan speed. In-dash unit shall not interfere with removal or replacement of the engine cover or be blocked by the door control mechanism.	Chassis OEM ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.9.11	PASSENGER AREA: air conditioning system shall be separately controlled from a control station at the driver's position. Controls shall include on/off and 3-speed blower switch and rotary thermostat switch.	☐ YES ☐ NO ☐ YES ☐ NO
3.9.12	The air conditioning system shall be ProAir ACT System Model ACT-50T, 53,000 BTU system (min.) for the 20' LTV; Model ACT-913HD, 75,000 BTU system (min.) for the 22'/25' LTV's; and Model ACT-913/21, 97,000 BTU system (min.) for the 28' LTV or approved equal or better in standards of quality, design, and performance. ACC Climate Control, Rifled Air Conditioning (RAC), Trans Air, Thermo King, or Mobile Climate Control may be used, provided the above cooling requirements and standards can be met.	A/C system offered: 20' LTV: _____ BTU rating: 22'/25' LTV: _____ BTU rating: 28' LTV: _____ BTU rating:

3.9.13 Condenser #2: ProAir ACT System Model CS-3 or approved equal with a rating of 82,000 BTU/hr. with 3 fans for the 20'/22'/25'/28' LTV. The condenser shall be skirt mounted on the left side of the vehicle and shall be completely recessed into the vehicle skirt to protect coils and fans from mud, snow, salt, dirt, and road hazards. No protrusions below the skirt will be accepted. An access screen shall be provided for easy access to condenser coils from the exterior of the vehicle. The fans and motors are enclosed within the condenser housing. The housing shall be galvanized with heat-fused powdered epoxy coating providing the maximum in durability. Coil shall be copper tube, expanded into aluminum fins and vinyl coated to prevent corrosion. Integral high/low pressure cutouts to be wired into the clutch circuit. 10" Axial fans dynamically balanced with permanent magnet totally enclosed motors. Drier and sight glass shall be mounted for easy access and inspection from the exterior of the vehicle. ACC Climate Control, Rifled Air Conditioning (RAC), Trans Air, Thermo King, or Mobile Climate Control may be used, provided the above cooling requirements and standards can be met.	Condenser #2 offered: 20' LTV _____ 22' LTV _____ Condenser #2 offered: 25' LTV _____ 28' LTV _____ ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.9.14 Compressor #2: For the 22'/25' LTV, a TM-16 Compressor or equivalent; and for the 28' LTV, a TM-21 Compressor or equivalent. Compressors shall be engine Polygroove belt driven with a minimum of 9.2 cu. in. (20'); 19.2 cu. in. (22'/25'); and 22.2 cu. in. (28') displacement. R-134a refrigerant shall be provided.	Compressor #2 offered: 20' LTV _____ 22' LTV _____ 25' LTV _____ 28' LTV _____ Displacement: 20' LTV _____ 22' LTV _____

	25' LTV _____ 28' LTV _____
3.9.15 Evaporator #2: ProAir ACT Model EZ-5, or approved equal, rated up to 60,000 BTU/hr. for the 20' LTV. ProAir ACT Model EZ-91, or approved equal, rated up to 93,000 BTU/hr. for the 22'/25'/28' LTV. Units shall be high speed; ceiling mounted in the rear of the vehicle. Fans shall be 3-speed, continuous duty, permanently lubricated motors. Blower assembly shall be rated at 1600cfm (20') and 2400 cfm (22'/25'/28'). Copper coils with aluminum fins and 4 rows deep Galvannealed drain pan integral with the unit. "O" ring refrigerant connections at the expansion valve. ACC Climate Control, Rifled Air Conditioning (RAC), Trans Air, Thermo King, or Mobile Climate Control may be used, provided the above cooling requirements and standards can be met.	Evaporator #2 offered: 20' LTV: _____ BTU rating: _____ 22'/25' LTV: _____ BTU rating: _____ 28' LTV: _____ BTU rating: _____
3.9.16 Components of the air conditioning system shall be readily accessible for maintenance. Refrigerant hoses shall be double braided Freon-type, Goodyear, or approved equal with essentially comparable standards of quality, design, and performance. Refrigerant fittings shall be Carrier Quick Click, ATCO, and Aeroquip or approved equal with essentially comparable standards of quality, design, and performance.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.9.17 The wiring shall meet all specifications required. Any subcontractor who provides air conditioning and/or heating components shall meet all specifications.	☐ YES ☐ NO
3.9.18 Wiring for the air conditioning circuits shall be adequate to withstand the transient loads expected. These circuits should be protected with automatic circuit breakers or thermal relays.	☐ YES ☐ NO
3.9.19 Care should be used so that all service ports to the air conditioning system will be made accessible and not covered with excess overspray of insulation Styrofoam.	☐ YES ☐ NO
3.9.20 InterMotive, or approved equal, engine fast idle, shall be installed on the 20'/22'/25'/28' LTV. The engine fast idle control will permit the driver to increase engine idle RPM to a preset RPM when the transmission is in park or neutral position and the parking brake set. This control is in conjunction with the air conditioning for use during stand-by periods. The control shall be interlocked so as to return the	☐ YES ☐ NO Fast idle offered: _____

engine to normal idle RPM automatically when the brake is released, or the transmission is put in gear.	
3.10 Stanchions, grab bars, and overhead grab rail	
3.10.1 All stanchions and grab bars shall be of stainless steel, a minimum of 1-1/4" in diameter. A non-slip coating or approved equal shall be applied to stanchions and grab bars. All stanchions shall be fastened into structural members at all mounting points.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.10.2 A vertical stanchion and horizontal bar shall be installed behind the driver. Bar shall be approximately 30" above the floor and a padded modesty panel from the bar down to the floor. This stanchion shall not impair the driver's seat adjustment.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.10.3 A vertical stanchion and horizontal bar shall be installed in the entry way at the rear of the stepwell (right side of vehicle). Bar shall be approximately 30" above the floor and a padded modest panel from the bar down to the floor.	☐ YES ☐ NO ☐ YES ☐ NO
3.10.4 If a wheelchair lift is installed in the front section of the passenger cabin, a vertical stanchion and horizontal bar with padded modesty panel (described above in 3.10.3) shall be provided. This should be installed to the rear of the wheelchair lift, and just forward of the first passenger seat on the curb side of the vehicle.	☐ YES ☐ NO
3.10.5 A grab bar approximately 40" long shall be installed at an angle to the left of the entry way (stepwell) and shall be securely fastened to the interior of the door area. (See 2.5.5)	☐ YES ☐ NO
3.10.6 Driver's door grab bar – It has been determined that a Driver's grab bar may be OEM on most cab chassis requested, if not available on certain chassis, provide a similar OEM grab bar and locate it to the left of the open driver door next to the windshield. Same as the OEM is mounted.	☐ YES ☐ NO
3.10.7 All grab bars and stanchions are to be positioned so as not to interfere with wheelchair movement.	☐ YES ☐ NO
3.10.8 All forward-facing aisle seats and foldaway seats shall have a non-slip coated permanently bonded grab bar on top of the seat, see 3.4.9 for details on seat grab bars.	☐ YES ☐ NO
3.10.9 Overhead grab rail shall be a continuous, full-length overhead grab rail on both sides of the vehicle.	☐ YES ☐ NO

The grab rail shall be located so that seated passengers are free from crowding by standees. The grab rail shall be securely attached into structural members at mounting points. Grab rail end shall terminate at the ceiling connectors or in elbows, and exposed ends are to be avoided. The overhead rail is to be provided on all LTVs 20' – 28'. ADA requires that the rail be continuous except for the gap at the rear door and on right side if there is a lift. The reference to standees is about people boarding the vehicle, not about people standing in the aisles. These vehicles are not designed for overcapacity.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
3.11 Emergency and Safety Equipment	
3.11.1 Fire extinguisher - dry chemical type, multipurpose, Class ABC, 5lb., metal discharge nozzle type, rechargeable with gauge, U.L. approved, shall be provided. To be bracket mounted (marine type or equal) securely at a location to be approved by DOT.	Type: _____ Class: _____ lbs.: _____ Location: _____
3.11.2 First Aid Kit – 24 unit Ever Ready First Aid Kit, (Model #3400975 or NC-24M/P) or approved equal shall be provided. A list of contents is available upon request. Location is subject to approval by DOT.	Kit offered: _____ Size: _____ Location: _____
3.11.3 Warning kit - 3 portable warning reflectors mounted on stands shall be furnished. Kit shall be mounted in a location approved by the DOT.	☐ YES ☐ NO Location: _____
3.11.4 Emergency Window Hammer with Seat Belt Cutter – a device that can break out a vehicle window and can cut seat belt and tie down webbing in an emergency. To be mounted within reach of the driver. Location is subject to approval by DOT.	☐ YES ☐ NO Location: _____
3.11.5 Oxygen Tank Mounting Bracket – Two (2) Sure-Lok GO2 securements or approved equal shall be provided. The bracket shall be adjustable with flexible straps. One bracket shall be mounted on floor immediately behind the driver seat, away from traffic, but accessible by driver to secure an oxygen tank when necessary. On LTVs with rear wheelchair stations, a second bracket shall be located near the rear wheelchair stations. Designated locations will be approved by DOT.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO Location: _____ Mfr.: _____ Model: _____

3.11.6 Strobe light- Specialty model 205, Star Warning Systems 240CF, or approved equal to be mounted on top of the vehicle, centered, approximately 10" from the back edge of vehicle. The lens color shall be clear. A metal or fiberglass guard shall be placed on front side of the strobe light to protect it from damage. Strobe light shall be hard wired Lens shall be glass with an aluminum base and a replaceable double flash (11 joules min.) low amp draw/high light output bulb. A replaceable remote power pack is to be provided. The light shall be wired so it is activated when the vehicle is started and running. <u>A manual cut-off switch should also be provided on the dash.</u> The light shall meet SAE J1318 and J575 standards. Wiring to strobe light shall be accessible for repairs and wiring shall be sufficient in length to allow for replacement. Location and access are to be approved by DOT.	Strobe light brand provided: _____ ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO Cut off switch provided: _____ ☐ YES ☐ NO ☐ YES ☐ NO Location: _____
3.11.7 Tire changing tools - jack shall be mounted in the back corner or provided with each vehicle; be of the best quality available and have adequate capacity to raise a loaded vehicle and be the type which will allow for easy removal of wheel and tire from the raised vehicle. The wheel wrench will be a high-quality tool of sufficient length to permit removal of wheels. Note: Tire changing tools will most likely be kept at systems' maintenance shops and not on vehicle. They can be delivered with the vehicle wrapped or boxed.	☐ YES ☐ NO How will tire changing tools be delivered: _____
3.12 Priority Seating Signs (ADA requirements)	
3.12.1 All vehicles (wheelchair accessible or not) shall contain a sign which indicates that the seats in the front of the vehicle are priority seats for people with disabilities.	☐ YES ☐ NO
3.12.2 Each wheelchair/mobility aid station location shall be designated as such.	☐ YES ☐ NO
3.12.3 Location of the signs will be subject to approval by DOT.	☐ YES ☐ NO
4.0 WHEELCHAIR OR MOBILITY AID LIFT SYSTEM	

4.1 General	
4.1.1 For the purpose of this specification the terms "wheelchair" and "mobility aid device" may be used interchangeably. The new ADA definition for "Wheelchair" is defined in the amended ADA rule, effective October 19, 2011, as a mobility aid belonging to any class of three-or more-wheeled devices, usable indoors, designed or modified for and used by individuals with mobility impairments, whether operated manually or powered. The "three-or-more-wheeled" language in the definition is intended to encompass wheelchairs that may have additional wheels (e.g., two extra guide wheels in addition to the more traditional four wheels).	
4.1.2 Vehicles shall meet all applicable requirements of the Americans with Disabilities Act (ADA) as set forth in 49 CFR 37 and 38, issued 9/6/91 and any amendments thereto; and 49 CFR 571, FMVSS 403 and 404, issued 12/27/02 with respect to mobility aid accessibility. The vendor is solely responsible for any additions, deletions, omissions, or interpretations of ADA, as it relates to the construction of said contracted vehicle(s).	☐ YES ☐ NO
4.2 Wheelchair or Mobility Aid Lift door and location	
4.2.1 The wheelchair/mobility aid lift location shall be on the curbside of the vehicle.	☐ YES ☐ NO
4.2.2 Wheelchair/mobility aid lift doors shall be a two (2) panel, Hinged outward folding leaf type. When open, these doors shall not protrude past the side of the body more than 24" at the body's widest point.	☐ YES ☐ NO ☐ YES ☐ NO
4.2.3 Each door leaf shall have an exterior locking handle. Each door shall have windows which will provide an appearance similar to that of the rest of the vehicle. Each door leaf will have a permanently mounted latch that will hold the door in the open position with less than 1" of movement. Securement of the doors in the open position shall not rely on bolts or straps.	☐ YES ☐ NO ☐ YES ☐ NO Bidder shall describe how door remains open. _____
4.2.4 Minimum door dimensions shall be 44" wide by 69" high.	Lift Door Dimensions: _____"
4.2.5 Lighting shall be installed according to ADA and FMVSS 403 and 404 requirements.	☐ YES ☐ NO
4.3 Wheelchair/Mobility Aid Stations	

4.3.1 Wheelchair/mobility aid station(s) are the spaces inside the vehicle for transporting persons in wheelchair/mobility aid devices and are to be provided on vehicles having wheelchair/mobility aid lifts. Each wheelchair/mobility aid device station shall consist of a usable floor area where a passenger in a wheelchair/mobility aid device may be positioned and where a wheelchair/mobility aid securement system shall be installed.	☐ YES ☐ NO
4.3.2 All wheelchair/mobility aid stations shall be designed to secure wheelchair/mobility aid devices in a forward-facing position.	☐ YES ☐ NO
4.3.3 At least one (1) wheelchair/mobility aid station per lift vehicle shall provide an adequate space for an oversized wheelchair/mobility aid device, a clear floor area of 30" in width and approximately 56" in length. The other station(s) shall not be any less than the minimum length of 48" required in accordance with ADA.	Oversized Mobility Aid Station: _____" X _____" Additional Mobility Aid Stations: _____" X _____" C-4 - Oversized Station: _____" X _____" Other 3 Mobility Aid Stations: _____" X _____"
4.3.4 Not more than 6" of the required clear floor space may be accommodated for footrests under another seat provided there is a minimum of 9" from the floor to the lowest part of the seat overhanging the space. No wheelchair/mobility aid station(s) obstructions shall hinder a wheelchair/mobility aid device from being rolled into place.	☐ YES ☐ NO ☐ YES ☐ NO
4.3.5 Foldaway seats shall be mounted in forward facing position. All Foldaway seats mounted over wheelchair/mobility aid stations areas shall be the Freedman 3 step Foldaway seats or approved equal. Foldaway seats shall include lap style retractable passenger restraints as stated in section 3.5.2. Seats shall be color-keyed to the permanent passenger seats in section 3.4.10.	Foldaway Seats offered: _____ ☐ YES ☐ NO ☐ YES ☐ NO
4.4 Wheelchair/Mobility Aid Securement System	
4.4.1 The four-point track/belt tie down system shall be provided at each wheelchair/mobility aid station to securely hold the wheelchair/mobility aid device in position. Securement systems and their attachments to vehicles shall withstand a force in a forward longitudinal direction of 2,500 lbs. per securement leg and a minimum of 5,000 lbs. for each mobility aid device.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO

Movement of an occupied wheelchair/mobility aid device shall be no more than 2" in any direction.	
4.4.2 This system shall be composed of the following components: four securements with necessary floor anchorage, lap, and shoulder belt, with all necessary buckles, hardware fittings and other parts to make it a complete wheelchair/mobility aid device securement system. Q-Straint QRT 360 tie down system, Q-Straint One tie down system or approved equal shall be provided. System shall be a WC18 compliant system.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO Mfr.: _____ Model: _____
4.4.3 In certain wheelchair/mobility aid station arrangements, shared floor track may be used, provided that adequate belt securement slots are furnished. Adequate length of track should be provided to accommodate various sizes of wheelchair/mobility aid devices within each station.	☐ YES ☐ NO
4.4.4 The floor tracks shall be recessed in the flooring. Care shall be taken to avoid damaging or destroying the integrity of the flooring.	☐ YES ☐ NO
4.4.5 Six (6) Q-Straint Quick Straps in 16" length or approved equal shall be provided in each vehicle to assist with mobility aid device securement. Webbing loops shall be tested and used according to the manufacturer's recommendations	☐ YES ☐ NO ☐ YES ☐ NO Mfr.: _____ Model: _____
4.4.6 During installation of the wheelchair/mobility aid securement system care shall be taken to avoid damage to any of the vehicle's components. Particular attention should be taken to avoid damage to the fuel tank(s) during and after installation of the floor tracks. It should be noted that the method of installing the track is the sole responsibility of the vendor and he may use whatever method will obtain the required results. By submitting and signing this bid the Bidder hereby certifies that the wheelchair/mobility aid device securement system has met all applicable Federal Motor Vehicle Safety Standards and has been mounted in accordance with the manufacturer's specifications.	☐ YES ☐ NO
4.4.7 A storage bag for each set of tie downs (4.4.2) and occupant restraint systems (4.5.1) shall be provided.	☐ YES ☐ NO

These bags shall be mounted on the wall near the wheelchair/mobility aid stations and secured so the bags are immobile. Location shall be approved by DOT.	☐ YES ☐ NO Location of bag: _____
4.4.10 Tie down system shall meet or exceed requirements set forth in RESNA WC-4:2012, Section 18, Wheelchair Tie down and Occupant Restraint Systems for use in Motor Vehicles. Provide documentation as attachment.	☐ YES ☐ NO Attachment _____
4.5 Wheelchair/Mobility Aid Occupant Restraint System	
4.5.1 A three-point restraint system consisting of a lap and shoulder belt combination shall be provided for each wheelchair/mobility aid station. The shoulder belt shall be a minimum of 86" in length and the lap belt shall be a minimum of 43" in length. Belt connection around wheelchair/mobility aid occupant shall be release button and comply with all State requirements and FMVSS. A Q-Straint integrated occupant restraint system or approved equal is acceptable.	3-Point Restraint System offered: _____ ☐ YES ☐ NO ☐ YES ☐ NO
4.5.2 The shoulder attachment point shall be secured in a structural member of the side wall. The lap belt shall be secured by inserting it into the rear tie-down belts of the wheelchair/mobility aid securement system. The shoulder and lap belt shall connect at the buckle portion of the restraint. Restraints shall be designed and installed in such a manner that the restraint belts transfer crash forces to the hips and upper torso portions of the skeleton and shall not transfer these forces to the abdomen section of the passenger. The shoulder attachment shall comply with all State and FMVSS and regulations.	Provide details of type & location of shoulder attachment point for approval: _____ _____ _____ ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
4.5.3 Shoulder belts shall be retractable at the wall connection or removable but shall not hang loose or interfere with movement in vehicle when not in use.	☐ YES ☐ NO

Restraint belts shall be stored in storage bags at same location as provided for above in specification 4.4.7, wheelchair/mobility aid securement system. Restraint belts permanently fixed to the floor are not acceptable.	☐ YES ☐ NO
4.6 Wheelchair/mobility Aid Device Lift	
4.6.1 The wheelchair/mobility aid lift system shall be a system which permits persons confined to a wheelchair/mobility aid device to enter and leave a vehicle while in a wheelchair/mobility aid device without difficulty by means of a vertical lifting platform and which also provides for the safe transportation of persons in wheelchair/mobility aid devices inside the vehicle. Acceptable wheelchair/mobility aid device lift is the Braun Century NCL1000(F)IBHB3454-2, RICON S5510 or approved equal. (Platform size requirements are listed under 4.7)	Mfr.: _____ Model No.: _____ Rating: _____
4.6.2 The frame and platform design shall have been tested to a minimum static load of 3,200 lbs. The lift shall have a 1,000 lb. continuous lifting capacity. The maximum weight that can be lifted by the lift shall be posted on the lift.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
4.6.3 The lift, operation and installation shall meet all ADA, and FMVSS 403 and 404 requirements.	☐ YES ☐ NO
4.6.4 The lift shall require no independent power source. The lift shall operate on the vehicle's existing heavy duty electrical system as specified in specification 1.15	☐ YES ☐ NO ☐ YES ☐ NO
4.6.5 The attachment of the wheelchair/mobility aid lift assembly to the vehicle shall allow easy removal and be readily accessible for repair and maintenance. The lift assembly shall be mounted in such a manner that in the fully raised position it shall not interfere with the opening of the double side doors.	☐ YES ☐ NO ☐ YES ☐ NO
4.6.6 The wheelchair/mobility aid lift shall have a bridge or transition plate designed for a smooth transition from the vehicle floor level to the lift platform level when the platform is in the raised loading positions. A nonskid surface shall be applied to the bridge plate.	☐ YES ☐ NO ☐ YES ☐ NO
4.6.7 The installation of the lift assembly should not diminish the structural integrity of the vehicle or cause excessive unbalancing of the vehicle by its weight when moving or when stopped. A front alignment and wheel balance shall be completed after vehicles are finished and shipped and just prior to delivery to	☐ YES ☐ NO ☐ YES ☐ NO

system. Adjustments to the front end to avoid tire tread wear are required. (	
4.6.8 The overall depth of the lift assembly in the stored position inside the vehicle shall not exceed twenty-two (22") inches when measured at the floor level from the lift entry doors. No component accessory to the lift shall extend more than twenty-one (21") inches from the lift entry door.	☐ YES ☐ NO ☐ YES ☐ NO
4.6.9 The lift's self-destruct characteristics shall be tested by cycling it two times without a load and with limit switches inoperative. At each position where limit switches normally prevent the lift from continuing (for example, at the upper-most position) power shall be maintained to the lift for five seconds after the platform comes to rest. The lift shall be designed to withstand such action without damage.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
4.6.10 All hardware that will be subjected to wear, corrosion, or other adverse action that would reduce the safety of the lift, and items requiring periodic maintenance shall be provided with easy inspection access.	☐ YES ☐ NO
4.6.11 All exposed edges or other hazardous protrusions on the lifts shall have padding of a thickness to the manufacturer's recommendation. Padding shall be of an energy absorption material capable of minimizing injury producing forces and shall extend to within 3" of the vehicle floors.	☐ YES ☐ NO ☐ YES ☐ NO
4.6.12 All protrusions or moving parts of the lift mechanism which could snag clothing shall have a guard or shield to protect passengers and/or operator.	☐ YES ☐ NO
4.6.13 Interior padding shall be provided as needed around the opening for the lift to avoid injury to wheelchair/mobility aid passengers and attendants during loading and unloading. Padding shall be provided at all other locations where sharp or potentially hazardous edges occur.	☐ YES ☐ NO ☐ YES ☐ NO
4.6.14 All through body fittings shall be constructed of non-corrosive materials. Vendor shall re-undercoat and otherwise seal all through-body fittings from moisture. The reapplication of undercoating is only required for through-body fittings.	☐ YES ☐ NO
4.6.15 An <u>operational manual</u> shall be provided with each vehicle to include at a minimum, normal and manual lift operations, preventive maintenance schedule, use of wheelchair/mobility aid restraint and seat belt system, lift trouble shooting and parts listing. One copy of a CD or DVR on lift maintenance and troubleshooting shall be provided for each transit system ordering vehicles. A copy shall be provided with the bid.	☐ YES ☐ NO A copy of lift operation CD is included as Attachment

4.7 Lift Platform	
4.7.1 The platform to be provided shall be the widest available from the manufacturer with a minimum clear width of 34" measured from 2" above the platform surface to 30" above the platform, and a minimum clear length of 54" measured from 2" above the surface of the platform to 30" above the surface of the platform.	Platform size: _____
4.7.2 The maximum weight that can be lifted by the lift shall be posted on the lift. (Minimum 1000lbs)	☐ YES ☐ NO Maximum weight lifted _____
4.7.3 The lift platform shall also be in compliance with ADA and FMVSS 403 and 404 requirements.	☐ YES ☐ NO
4.7.4 A transition or bridge plate shall be of hinged design and mounted as an integral part of the van or platform so as to provide a smooth transfer from the platform into the vehicle. The transition plate shall be mounted in such a manner that the sides of the plate do not make contact with inside rails of the platform. The transition plate shall be secured and stored so as not to interfere with the operation or storage of the lift platform or the placement of wheelchair/mobility aids.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
4.7.5 An automatically actuated roll-off barrier across the full length of the loading-edge or entrance ramp of the platform shall be provided. The barrier shall be a minimum of 6.5" high (measured from the platform surface) when closed to prevent a power wheelchair/mobility aid device from riding over the barrier. The barrier shall automatically close and remain closed when the lift rises 3" above the ground surface. The entrance ramp shall not exceed a slope of 1:8, measured on level ground, for a maximum rise of 3", and the transition from ground to ramp may be vertical without edge treatment up to ¼". Thresholds between ¼" and ½" high shall be beveled with a slope no more than 1:2.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
4.7.6 Vendor shall provide a fully automatic interior lift. The operation of the lift platform from its upright stored position to its operation position shall be a fully automatic operation. Interior lifts shall be self-locking, rattle free, and secured to the lift when stowed.	☐ YES ☐ NO ☐ YES ☐ NO
Handrails shall be provided on two sides of the platform and move in tandem with the lift. Handrails shall be able to be grasped and provide support.	☐ YES ☐ NO ☐ YES ☐ NO

Handrails shall have a usable component at least 8" long with the lowest portion a minimum 30" above the platform and the highest portion a maximum 38" above the platform. The handrails shall be capable of withstanding a force of 100 lbs. concentrated at any point on the handrail without permanent deformation of the rail. The handrail shall have a cross-sectional diameter of 1-1/4" to 1-1/2" or shall provide an equivalent grasping surface. Handrails shall not interfere with wheelchair/mobility aid devices entering or leaving the vehicles. Handrails in the stowed position shall not extend in the vehicle's passenger area more than 5" and shall be secured in such a manner to keep them from rattling and prevent this from becoming a hazard to passengers.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
4.7.8 A handrail restraint, a belt between the two handrails, shall be provided in order to offer extra security for passengers in wheelchair/mobility aid devices as they are lifted on the platform.	☐ YES ☐ NO
4.8 Lift Controls, Interlock, Electrical Circuits and Wiring	
4.8.1 Operating controls shall be of heavy-duty commercial type and shall be designed for hand-held operation with adequate cord extension to allow operation of the lift by the operator standing outside the vehicle at a position behind or at the side of the lift platform. A method for storing and securing the controls when not in use shall be provided.	☐ YES ☐ NO
4.8.2 The lift operation and interlock shall be in compliance with ADA and FMVSS 403 and 404 requirements.	☐ YES ☐ NO
4.8.3 The controls shall be designed to be used safely without adverse effects to the operator or to the controls in all weather conditions.	☐ YES ☐ NO
4.8.4 Lift operation instructions shall be posted on the inside of the lift door and shall be easily understood by the operator.	☐ YES ☐ NO
4.8.5 Lift controls shall be easily understood by the operator and shall not allow automatic sequencing of the lift from one mode to another that would jeopardize the safety of the wheelchair/mobility aid passenger.	☐ YES ☐ NO
4.8.6 Lift controls shall allow for instant direction reversal at any point in the cycle.	☐ YES ☐ NO
4.8.7 In addition to the normal operating power, a manual backup system for unloading wheelchair/mobility aid passengers and returning the lift to the stowed position shall be provided in the event of electrical failure. The backup system shall be mounted on the interior of the vehicle and in a location that will not interfere with passenger loading and unloading. Location to be approved by DOT.	☐ YES ☐ NO Type of backup system offered: _____ Location: _____

4.8.8 The vehicle shall have an Interlock system that will not allow the vehicle to be shifted out of park if the lift door is open. As an added feature, it also will not allow the vehicle to be shifted out of park anytime the parking (emergency) brake is applied.	☐ YES ☐ NO
4.8.9 The interlock system shall make the lift controls in-operative unless the vehicle's emergency brake is activated. A power cutoff or interrupt switch shall be installed on the dash panel to prevent unauthorized use of lift controls while vehicle is parked and locked. The power cut-off shall also prevent a battery drain.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
4.8.10 The interlock system shall only allow the lift to be operational when the vehicle is in "Park", the "Parking (emergency) Brake" is engaged, the "Ignition" is on, the "Lift" switch is on, and the "Lift Door" is open.	☐ YES ☐ NO
5.0 OPTIONS Prices offered on optional items should not exceed MSRP and should include available discounts for that option, plus installation where applicable, and any credits for the standard equipment that the option items may replace. Please advise if an option is not available on particular floor plans due to QVM requirements from the chassis manufacturer. NOTE: The options selected below cannot exceed the GAWR/GVWR requirements of the chassis, in accordance with QVM requirements. The following will provide descriptions, details, and requirements for option prices reflected in the ATTACHMENT A PRICING	
5.1 Provide Ford chassis - 20'/22'/25'/28' LTV; gas powered chassis or approved equal in base bid. Appropriate alternator and battery that meet specifications shall be included.	☐ YES ☐ NO
5.3 Increase to a Ford F-450, 16,500 lb. GVWR chassis with a 7.3L Diesel engine or approved equal. Engine to be front mounted. 5 years/100,000-mile warranty shall apply. Appropriate alternator and battery shall be included with additional fuel tank (28 gal.)	☐ YES ☐ NO
5.4 7.3L Power Stroke Diesel or approved equal for 28' LTV. Engine to be front mounted. 5 years/100,000-mile warranty shall apply. Appropriate alternator and battery shall be included.	☐ YES ☐ NO
5.5 Alternative Fuel, Propane, if available. Appropriate GVWR, engine, alternator, and battery shall be included. Available for 22', 25', and 28'. Include OEM hardened valve w/ option.	☐ YES ☐ NO
5.6 Alternative Fuel, Propane Bi-fuel Conversion Kits. Appropriate GVWR, engine, alternator, and battery shall be included. Available for 20', 22', 25' and 28'. Include OEM hardened valve w/ option.	☐ YES ☐ NO

5.7	Alternative Fuel, Compressed Natural Gas, both Dedicated and Bi-Fuel, if available. Appropriate GVWR, engine, alternator, and battery shall be included. Available for 22', 25', and 28'. Include OEM hardened valve w/ option.	☐ YES ☐ NO
5.8	Alternative Fuel, Hybrid or approved equal. Appropriate GVWR, engine, alternator, and battery shall be included. Available for 22', 25', and 28'. Include OEM hardened valve if needed w/ option.	☐ YES ☐ NO
5.9	Alternative Fuel, All Electric LTV. Appropriate GVWR, engine, alternator, and battery shall be included. Available for 20', 22', 25' and 28'. Include OEM hardened valve if needed w/ option.	☐ YES ☐ NO
5.10	Telma Brake Retarder or approved equal. A low amperage draw, electromagnetic retarder, to supplement the hydraulic braking system. The retarder is activated through the vehicle brake pedal. Installation of the retarder and all companion components must follow manufacturer's specifications and shall allow adequate spacing for removal of the front disc drive shaft and universal joints without necessitating disassembly of the universal joint. The universal joint is installed in a like manner.	☐ YES ☐ NO
5.11	Chassis Manufacturer's Service and Parts Manual or CD;	☐ YES ☐ NO
5.12	Electric Transit door (40"). Passenger entry doors shall be a two (2) panel design, providing a 36"x79" clear opening, fully automatic, and controlled from the driver's seat. Windows should be provided in the top and bottom section of the door. Lower windows will allow full view of the curb.	☐ YES ☐ NO
5.14	Detailing: Striping, Lettering, and Logos Striping (paint or vinyl strips and labor) – 1 color strip on both sides and back of vehicle Two Tone (paint or vinyl strips and labor) – 2 color striping on both sides and back of vehicle Lettering (pricing based on an average of fifty 4" size letters/number and labor) Logos (paint and labor) – system will provide graphics Logo Decals (labor only; purchaser will provide decals)	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
5.15	Hubometer – shall be fitted on the right rear wheel.	☐ YES ☐ NO
5.16	Seat belt extenders, shall meet applicable FMVSS requirements.	☐ YES ☐ NO

5.17 Q' Straint Quick Straps for mobility aid chairs or approved equal. Price straps individually; straps can be purchased in addition to ones that are standard with vehicle.	☐ YES ☐ NO
5.18 Manual Fareboxes Donation Farebox, small, approximately 8" x 8" x 8" Diamond NV Farebox or approved equal with extra vault. Genfare Pacemaker Farebox or approved equal.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
5.19 Electronic Fareboxes GFI Odyssey Farebox or approved equal.	☐ YES ☐ NO
5.20 Destination Signs Tran sign Model D-3114, front and side roller destination sign or approved equal, furnished with a minimum of 15 destinations. Digital Twin Vision Electronic destination sign or approved equal. Front and Side	☐ YES ☐ NO ☐ YES ☐ NO
5.21 Wireless Camera/DVR Systems– 4 cameras per vehicle including installation (4 camera system to be priced as unit) or approved equal.	☐ YES ☐ NO
5.22 Annunciation Systems, in accordance with ADA requirements. REI Transit PA System or Jensen PA 500 or approved equal, amplifier and handheld Microphone with two (2) speakers. Panasonic AM/FM/CD with PA System, or approved equal, Amplifier, handheld microphone and 4 speakers. Clever Devices AVA/Bus Stop Announcements or approved equal, automated stop announcement and passenger information system.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
5.23 Stop Request System, in accordance with ADA requirements. Pull cord signal system. Each vehicle shall be equipped with an audible passenger signal activated by signal cords provided on both sides of the interior. The signal cords shall be located so they may be easily reached by passengers while not interfering with emergency exits. The audible signal shall be a bell or electronic tone sound. Touch Tape Signal System. Signals shall be activated by horizontally or vertically mounted yellow touch tape switches. Tapes shall be mounted on window posts or below windows on both sides of the bus.	☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO ☐ YES ☐ NO
5.24 Fire Suppression Systems Fogmaker, an engine fire suppression system with water mist extinguishing system or approved equal. Jomarr vehicle fire suppression system with a clean agent extinguishing system or approved equal.	☐ YES ☐ NO

Amerex SMVS fire suppression for small front engine vehicles.	☐ YES ☐ NO ☐ YES ☐ NO
5.25 Driver's Seat Upgrades USSC G2E-LP Driver's Seat or approved equal. Armrest, Spring suspension, Air Suspension options. Recaro Ergo LXS, Adjustable Seat, or approved equal.	USSC G2E-LP Driver Seat. Indicate type of seat coverings available: _____ _____ Recaro Ergo LXS. Indicate type of seat coverings available: _____ _____
5.26 Freedman Foldaway – Double Three-Step Foldaway seat or approved equal to replace a permanent forward-facing seat on any floor plan. Seat covering will be available based on 3.4.6.	☐ YES ☐ NO
5.27 Freedman Feather Weight High Back seats with side corner grab handles on aisle seats or approved equal. Indicate type of seat covering available.	Indicate type of seat coverings available: _____ _____
5.28 Freedman Integrated Child Seat (ICS) with grab handles on aisle seats or approved equal to replace a permanent forward-facing seat on any floor plan. Seat covering will be available based on 3.4.6.	☐ YES ☐ NO
5.29 Plexiglass shields to be installed behind driver	☐ YES ☐ NO
5.30 Two (2) 7" Round Red LED Auxiliary Brake Lights.	☐ YES ☐ NO
5.31 Auxiliary Amber Strobe light positioned either above the center brake light or to the right of back door. Strobe light description in 3.11.6 should be used except with amber lens. Wired to come on when vehicle is stopped, or entrance door is opened.	☐ YES ☐ NO ☐ YES ☐ NO
5.32 Upgrade LTV stepwell to 14-gauge stainless steel with 10 Gauge Steps as defined in item 2.4.7.	☐ YES ☐ NO
5.33 Upgrade LTV door frames to 14-gauge stainless steel in items 2.5.3, 2.5.7 and 4.2.2.	☐ YES ☐ NO
5.34 Ultra-sonic warning alarm mounted on bumper detects objects behind vehicle. Audible alarm with digital read-out alerts driver that object is in vehicle path. InterMotive Hawkeye or approved equal.	☐ YES ☐ NO
5.35 Upgraded Automatic Heated Side Mirrors with turn signal. Same size as specification with convex at bottom. Lucerix or Rosco mirrors or approved equal.	☐ YES ☐ NO

5.36 Air Conditioning Upgrade for 22' and 25' LTV: ProAir ACT System Model ACT-913/21, 97,000 BTU systems (min.) or approved equal. Component specifications: <u>Evaporator</u>: ProAir ACT Model EZ-91, or approved equal, rated up to 93,000 BTU/hr. <u>Condenser</u>: ProAir ACT System Model CS-3 or approved equal. <u>Compressor</u>: TM-21 Compressor. ACC Climate Control, Rifled Air Conditioning (RAC), Trans Air, or Thermo King or other approved equal may be used, provided the above cooling requirements and standards can be met.	☐ YES ☐ NO
5.37 Air Conditioning Upgrade for 28' LTV: ProAir ACT System Model ACT-933DM, 108,000 BTU systems (min) or approved equal. Component specifications: <u>Evaporator</u>: ProAir ACT Model EZ-9, or approved equal, rated up to 90,000 BTU/hr. <u>Condensers</u>: (2) ProAir ACT System Model CS-3 or approved equal. <u>Compressor</u>: (2) TM-16 Compressors. ACC Climate Control, Rifled Air Conditioning (RAC), Trans Air, or Thermo King or other approved equal may be used, provided the above cooling requirements and standards can be met.	☐ YES ☐ NO
5.38 Additional emergency escape window(s). In addition to the required emergency window(s) on each side, a price shall be provided for additional windows up to a maximum of three (3) on each LTV. Windows shall meet all requirements in 2.6.5.	☐ YES ☐ NO
5.39 Bike Rack. A stainless steel two position bike rack that can be mounted on the front of the LTV.	☐ YES ☐ NO
5.40 Engine Block Heater option.	☐ YES ☐ NO
5.41 All exposed metal surfaces shall be painted or shall be corrosion resistant. All lift components (including wiring) located on the underside of the vehicle shall be concealed but accessible for maintenance purposes. All interior wiring shall be concealed.	☐ YES ☐ NO
5.42 Extended Warranty Coverage List Option Plans: _____ _____ _____ _____	☐ YES ☐ NO

5.43 NO UNUSUAL CONTROL CONFIGURATIONS All controls for driver's operation of the vehicle, including switches for all functions, shall be of a configuration which is customary for the general driving public in the United States. Controls that have unusual configurations are not acceptable, particularly when a questionable control installation may adversely affect safety during vehicle operation. Vehicles with such unacceptable controls may be rejected and the Vendor held responsible for furnishing the vehicle with the proper controls' configuration.	Control configuration is customary for the general driving public in the U.S.? ☐ YES ☐ NO
5.30 Alternative Low-Floor Option (i.e. no step required)	☐ YES ☐ NO
5.31 Wheelchair Lift Guard Arm	☐ YES ☐ NO

APPENDIX C: ELECTRIC VEHICLE SPECIFICATIONS (MINIMUM SPECIFICATIONS)

The following additional specifications are applicable to any EV offering in addition or as a replacement to the above detailed specifications. The following can apply to either Raised Roof Vans or Light Duty Transit Vehicles.

Item	Specifications / Requirements	Product/Service Offered Substantially Conforms with Specification
Gradeability	~30% minimum	YES NO
Range	>125 Miles* (at GVWR, worst-case climate, max auxiliary loads), provide details on how range is calculated	YES NO
Top Speed	~70 mph minimum	YES NO
Disability Ramp	Yes	YES NO
Buy America	Yes	YES NO
Altoona Test	200,000 Miles/7 years	YES NO
Propulsion System	Fully electric, no onboard range extenders; SAE J2910/J2344 compliant	YES NO
Energy Storage System (ESS)	Li-ion, must be ECE R100 Rev 3, UN/DOT 38.3, SAE J2929, SAE J2936 and UL 2580 Section 43 compliant:	YES NO
Battery Management System (BMS)	Cell-level monitoring, diagnostics, safety interlocks, isolation protection, emergency shutdown, periodic capacity test procedure. Must be ISO 26262 ASIL C compliant minimum	YES NO
Thermal Management	Maintains battery within manufacturer-recommended temperature range during operation and charging	YES NO
Charging Compatibility	SAE J1772 (Level 2 AC and DCFC), OCPP 1.6-J compliant	YES NO
Performance Validation	Meets agency operating profile (range, duty cycle, climate, GVWR); modeling/simulation or empirical validation required	YES NO
High-Voltage Safety	HV isolation, automatic fault detection, operator/maintenance/first responder emergency shutdown features	YES NO

Item	Specifications / Requirements	Product/Service Offered Substantially Conforms with Specification
High Voltage Wiring & Safety Standards	All HV wiring and safety systems must comply with SAE J1654, SAE J2910	YES NO
Data & Telematics	Access to raw data (SoC, charging, diagnostics, J1939/OCPP, etc); specify	YES NO
Duration of Battery Warranty	Battery warranty minimum 6 years or 300,000 miles (preferred: 8-12 years or 500,000 miles); state warranty terms and EOL/WEOL criteria	YES NO

Item	Vendor Response
GVWR	
Weight Class	
Curb Weight	
Battery Pack Li-Ion (NMC or LFP),	
System Voltage	
Drive Configuration	
Passengers	
Wheelchairs	
Length	
Data & Telematics	
Duration of Battery Warranty	

7.0 ATTACHMENTS

****IMPORTANT NOTICE****

RETURN THE REQUIRED ATTACHMENTS WITH YOUR RESPONSE

FOLLOW THE LINKS TO ACCESS EACH ATTACHMENT

ATTACHMENT A: PRICING

Complete and return the Pricing associated with this IFB, which can be in the table below:

Table 1: Vehicle Pricing			
ITEM #	DESCRIPTION	MANUFACTURER	UNIT PRICE
1	20" LTV (Composite Skin Body)		\$_____
2	22" LTV (Composite Skin Body)		\$_____
3	25" LTV (Composite Skin Body)		\$_____
4	28" LTV (Composite Skin Body)		\$_____
5	20" LTV (Metal Skin Body)		\$_____
6	22" LTV (Metal Skin Body)		\$_____
7	25" LTV (Metal Skin Body)		\$_____
8	28" LTV (Metal Skin Body)		\$_____
9	Electric Vehicles		\$_____
9	Raised Roof Vehicles		\$_____
10	Optional maintenance service and support (Attach information in separate document with bid)		\$_____

Table 2: LTV Option Pricing

ITEM #	DESCRIPTION	MANUFACTURER	UNIT PRICE
1.	Add Wheelchair/mobility aid lift		\$_____
2.	Alternative Fuel, Propane		\$_____
3.	Alternative Fuel, Propane Bi-fuel Conversion Kit Option		\$_____
4.	Alternative Fuel, Compressed Natural Gas, both Dedicated and Bi-Fuel, if available		\$_____
5.	Alternative Fuel, All Electric Vehicle Option		\$_____
6.	Telma Brake Retarder or approved equal		\$_____
7.	Chassis Manufacturer's Service and Parts Manual or CD; Manufacturer; or substantial equivalent.		\$_____
8.	Provide chassis - 20'/22'/25'/28' LTV; gas powered chassis or approved equal in base bid		\$_____
9.	Increase to 16,500 lb. GVWR chassis with a 7.3L Diesel engine or approved equal. Engine to be front mounted. 5 years/100,000-mile warranty shall apply. Appropriate alternator and battery shall be included with additional fuel tank (28 gal.)		\$_____
10.	7.3L Power Stroke Diesel or approved equal for 28' LTV. Engine to be front mounted. 5 years/100,000-mile warranty shall apply. Appropriate alternator and battery shall be included.		\$_____
11.	Chassis Manufacturer's Service and Parts Manual or CD		\$_____
12.	Electric Transit door (40"). Passenger entry doors two (2) panel design, providing a 36"x79" clear opening,		\$_____

	fully automatic, and controlled from the driver's seat. Windows should be provided in the top and bottom section of the door. Lower windows will allow full view of the curb.		
13.	Lettering	Color: _____ Color: _____ Color: _____ Color: _____ Color: _____	\$ _____ \$ _____ \$ _____ \$ _____ \$ _____
14.	Striping	Color: _____ Color: _____ Color: _____ Color: _____ Color: _____	\$ _____ \$ _____ \$ _____ \$ _____ \$ _____
15.	Two-tone	Color: _____ Color: _____ Color: _____ Color: _____ Color: _____	\$ _____ \$ _____ \$ _____ \$ _____ \$ _____
16.	Logos	Color: _____ Color: _____ Color: _____ Color: _____ Color: _____	\$ _____ \$ _____ \$ _____ \$ _____ \$ _____
17.	Hubometer – shall be fitted on the right rear wheel		\$ _____
18.	Seat belt extenders shall meet applicable FMVSS requirements.		\$ _____
19.	Q' Straint Quick Straps for mobility aid chairs or approved equal		\$ _____
20.	Donation Farebox, small, approximately 8" x 8" x 8"		\$ _____
21.	Diamond NV Farebox or approved equal with extra vault.		\$ _____
22.	Genfare Pacemaker Farebox or approved equal.		\$ _____
23.	GFI Odyssey Farebox or approved equal		\$ _____
24.	Tran sign Model D-3114, front and side roller destination sign or		\$ _____

	approved equal, furnished with a minimum of 15 destinations.		
25.	Digital Twin Vision Electronic destination sign or approved equal. Front and Side		\$_____
26.	4 cameras per vehicle including installation (4 camera system to be priced as unit) or approved equal.		\$_____
27.	REI Transit PA System or Jensen PA 500 or approved equal.		\$_____
28.	Amplifier and handheld Microphone with two (2) speakers.		\$_____
29.	Panasonic AM/FM/CD with PA System or approved equal.		\$_____
30.	Amplifier, handheld microphone and 4 speakers.		\$_____
31.	Clever Devices AVA/Bus Stop Announcements or approved equal.		\$_____
32.	Automated stop announcement and passenger information system.		\$_____
33.	Pull cord signal system.		\$_____
34.	Each vehicle equipped with an audible passenger signal activated by signal cords provided on both sides of the interior.		\$_____
35.	The signal cords are located so they may be easily reached by passengers while not interfering with emergency exits. The audible signal to be a bell or electronic tone sound.		\$_____
36.	Touch Tape Signal System. Signals to be activated by horizontally or vertically mounted yellow touch tape switches.		\$_____
37.	Tapes to be mounted on window posts or below windows on both sides of the bus.		\$_____
38.	Fogmaker, an engine fire suppression system with water mist extinguishing system or approved equal.		\$_____

39.	Jomarr vehicle fire suppression system with a clean agent extinguishing system or approved equal.		\$_____
40.	Amerex SMVS fire suppression for small front engine vehicles.		\$_____
41.	USSC G2E-LP Driver's Seat or approved equal.		\$_____
42.	Armrest, Spring suspension, Air Suspension options.		\$_____
43.	Recaro Ergo LXS, Adjustable Seat, or approved equal.		\$_____
44.	Freedman Foldaway		\$_____
45.	Freedman Integrated Child Seat (ICS) with grab handles on aisle seats or approved equal to replace a permanent forward-facing seat on any floor plan.		\$_____
46.	Plexiglass shields to be installed behind driver		\$_____
47.	Two (2) 7" Round Red LED Auxiliary Brake Lights.		\$_____
48.	Auxiliary Amber Strobe light positioned either above the center brake light or to the right of back door		\$_____
49.	Upgrade LTV stepwell to 14-gauge stainless steel with 10 Gauge Steps		\$_____
50.	Upgrade LTV door frames to 14-gauge stainless steel		\$_____
51.	Ultra-sonic warning alarm mounted on bumper detects objects behind vehicle.		\$_____
52.	Audible alarm with digital read-out alerts driver that object is in vehicle path.		\$_____
53.	Upgraded Automatic Heated Side Mirrors with turn signal.		\$_____

54.	Air Conditioning Upgrade for 22' and 25' LTV		\$_____
55.	Additional emergency escape window(s)		\$_____
56.	Bike Rack		\$_____
57.	Engine Block Heater		\$_____
58.	All exposed metal surfaces shall be painted or shall be corrosion resistant.		\$_____
59.	Extended Warranty Coverage		\$_____
60.	NO UNUSUAL CONTROL CONFIGURATIONS		\$_____
61.	Alternative Low-Floor Option		\$_____
62.	Wheelchair Lift Guard Arm		\$_____
63.	Telma Brake Retarder or Approved Equal		\$_____
64.	Optional comprehensive training program. (See section 4.10.1 optional detailed vehicle training)		\$_____
65.	Optional maintenance and service support (Attach information in separate document with bid)		\$_____

Table 3: Raised Roof Option Pricing			
ITEM #	DESCRIPTION	MANUFACTURER	UNIT PRICE
1.	Add Wheelchair/mobility aid lift		\$_____
2.	Alternative Fuel, Propane prep package		\$_____
3.	Alternative Fuel, CNG prep package		\$_____
4.	Alternative Fuel, Diesel engine option		\$_____
5.	Alternative Fuel, All Electric Vehicle Option		\$_____
6.	Option Floor Plan #1 (please provide proposed seating configuration in the additional details column and attach diagram)		\$_____
7.	Option Floor Plan #2 (please provide proposed seating configuration in the additional details column and attach diagram)		\$_____
8.	Chassis Manufacturer's Service and Parts Manual or CD; or approved equal		\$_____
9.	Lettering (provide colors in the "additional details" column)		\$_____
10.	Striping (provide colors in the "additional details" column)		\$_____
11.	Two-tone (provide colors in the "additional details" column)		\$_____
12.	Seat belt extenders		\$_____
13.	Q-Straint Quick Strap for mobility aid chairs or approved equal		\$_____
14.	Transit destination sign; front roller with curtain; furnished		\$_____

	with a minimum of 15 destinations. 1. Tran sign Destination Sign D1825 (Manual) or Equal. 2. Tran sign Destination Sign D8227 (Electronic) or Equal		
15.	Diamond Farebox NV, small farebox, or approved equal		\$_____
16.	Main M4 Farebox, small farebox, or approved equal		\$_____
17.	Donation Farebox – small, no larger than 8" x 8" x 8"		\$_____
18.	Two (2) 7" Round or (2) 15" light bars - Red LED Auxiliary Brake Lights		\$_____
19.	Auxiliary Red Strobe light positioned either above the center brake light or to the right of the back door. Wired to come on when a vehicle is stopped and/or front door is opened.		\$_____
20.	Alternate Wireless Camera/DVR System– 4 cameras per vehicle including installation (4 camera system to be priced as unit)		\$_____
21.	Fog maker, an engine fire suppression system with a water mist extinguishing system or approved equal.		\$_____
22.	Jomarr vehicle fire suppression system with a clean agent extinguishing system or approved equal.		\$_____
23.	Upgraded Side Mirrors. OEM side mirrors with optional turn signal in addition to already standard heated mirror.		\$_____
24.	Advanced Fast Idle System. Automatically increases engine speed when the vehicle voltage drops below 11.5V and the vehicle is in Park, and the parking brake is set.		\$_____
25.	Passenger Transit Door System		\$_____

26.	Steps (Refer to section 5.20 in the IFB for full description)		\$_____
27.	Backup/Reverse Camera System (OEM)		\$_____
28.	Reverse Alarm Assistance System		\$_____
29.	Sidestep deicer		\$_____
30.	Stepwell deicer		\$_____
31.	A portable step approximately 14" by 19"		\$_____
32.	Extended Warranty Coverage Options		\$_____
33.	Exterior Color (Color option should be provided in the additional details column)		\$_____
34.	Plexiglass shields to be installed behind driver		\$_____
35.	Alternative Low-Floor Option		\$_____
36.	Wheelchair Lift Guard Arm		\$_____
37.	Mid roof option		\$_____
38.	Optional comprehensive training program. (See section 4.10.1 optional detailed vehicle training)		\$_____
39.	Optional maintenance and service support (Attach information in separate document with bid)		\$_____

ATTACHMENT B: INSTRUCTIONS TO VENDORS

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

<https://www.doa.nc.gov/pandc/north-carolina-instructions-vendors-1-2025/open>

ATTACHMENT C: NORTH CAROLINA GENERAL TERMS & CONDITIONS

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

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

ATTACHMENT D: HUB SUPPLEMENTAL VENDOR INFORMATION

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

[P&C HUB Supplemental Vendor Information 9/2021 \(PDF\) | NC DOA](#)

ATTACHMENT E: CUSTOMER REFERENCE FORM

Complete and return the Customer Reference Form, which can be found at the following link:

<https://ncadmin.nc.gov/media/15503/open>

ATTACHMENT F: LOCATION OF WORKERS UTILIZED BY VENDOR

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

<https://www.doa.nc.gov/pandc/onlineforms/pc-worker-location-92021-pdf/open>

ATTACHMENT G: CERTIFICATION OF FINANCIAL CONDITION

Complete, sign, and return the Certification of Financial Condition, which can be found at the following link:

<https://www.doa.nc.gov/pandc/onlineforms/pc-certification-financial-condition-92021-pdf/open>

ATTACHMENT H: VENDOR REQUEST FOR EO50 PRICE-MATCHING

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

<https://www.doa.nc.gov/pandc/onlineforms/pc-eo-50-vendor-price-matching-opportunity-92021-pdf/open>

ATTACHMENT I: LOBBYING ACTIVITY CERTIFICATION FOR FEDERAL GRANTS

The Certification for Contracts, Grants, Loans, and Cooperative Agreements and the OMB Standard Form LLL are separate documents that can be found at the following link:

<https://www.doa.nc.gov/pc-contracts-grants-loans-cooperative-agreements-certification-72020-pdf/open>

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

ATTACHMENT J: FEDERAL AND STATE REQUIREMENTS FOR ROLLING STOCK

Where federal funds are utilized in connection with this solicitation, the following federal terms are to be read as supplemental to the attached and relevant North Carolina General Terms and Conditions; provided, however, where there is a direct conflict between individual federal and State terms, the stricter term shall apply.

FEDERAL AND STATE REQUIREMENTS AND SPECIAL CONDITIONS*for***ROLLING STOCK PURCHASES****1. General**

The work performed under this contract will be financed, in part, by grants provided under programs of the Federal Transit Administration. Citations to federal law, regulation, and guidance references include, but are not limited to, the Master Agreement, FTA MA (as amended); FTA Circular 4220 (as amended); "Best Practices Procurement & Lessons Learned Manual" (as amended); Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards," 2 C.F.R. Part 200, dated December 26, 2014, will supersede and apply in lieu of U.S. DOT's common grant rules, 49 C.F.R. parts 18 and 19, State and Local Governments and Institutions of Higher Education, Hospitals, and Other Non-Profit Organizations and any subsequent amendments or revisions thereto.

THE FOLLOWING MAY BE USED SYNONYMOUSLY:**"BIDDER" AND "CONTRACTOR"****"PURCHASER", "PROCURING AGENCY" AND "OWNER"****2. Federal Changes**

Contractor shall at all times comply with all applicable Federal Transit Administration (FTA) regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Master Agreement between Purchaser and FTA, as they may be amended or promulgated from time to time during the term of this contract. Contractor's failure to so comply shall constitute a material breach of this contract.

3. Notification of Federal Participation

To the extent required by Federal law, the State of North Carolina agrees that, in administering any Federal assistance Program or Project supported by the underlying Grant Agreement or Cooperative Agreement, any request for proposals, solicitation, grant application, form, notification, press release, or other publication involving the distribution of FTA assistance for the Program or the Project that it will identify the FTA grant source by listing the Catalog of Federal Domestic Assistance Number of the program. The following FTA grant programs will be eligible to participate in this bid, 20.500, 20.505, 20.507, 20.509, 20.513, 20.514, 20.516, 20.518, 20.519, 20.521, 20.522, 20.523, 20.525, 20.526, 20.527, 20.528, 20.529, 20.530, and 20.531. Federal funding assistance up to eighty (80%) percent may be provided.

4. Definitions

Third Party Agreement, in accordance with the Master Agreement unless FTA determines otherwise in writing, includes all of the following agreements, such as:

- (1) Third party contracts,
- (2) Leases,

- (3) Third party subcontracts; and
- (4) Other similar arrangements or agreements.

Third Party Participant, in accordance with the Master Agreement unless FTA determines otherwise in writing, includes all of the following participants, such as:

- (1) Third party contractors,
- (2) Lessees,
- (3) Third party subcontractors, and
- (4) Other participants in the Project

5. **Conflict of Interest**

No employee, officer, board member, or agent of the Owner shall participate in the selection, award, or administration of a contract supported by Federal Transit Administration (FTA) funds if a conflict of interest, real or apparent, would be involved. Such a conflict would arise when the employee, officer, board member, or agent, any member of his or her immediate family, his or her partner, or an organization that employs, or is about to employ any of the above, has a financial or other interest in the firm selected for award.

6. **Lobbying**

Byrd Anti-Lobbying Amendment, 31 U.S.C. §1352(b) (5), as amended by the Lobbying Disclosure Act of 1995, PL 104-65 (2 U.S.C. §1601, et seq.); 2 C.F.R. §200.450, and 2 C.F.R. Part 200 appendix II (j). Contractors who apply or bid for an award of \$100,000 or more shall file the certification required by 49 CFR Part 20, "New Restrictions on Lobbying." Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

The requisite "Lobbying Certification" is included as ATTACHMENT A (attach Standard Form-LLL if necessary) and must be executed for contracts of \$100,000 or more and prior to the award of the contract.

7. **Civil Rights Laws and Regulations**

The following Federal Civil Right laws and regulations apply to all contracts and flow down to all third-party contractors and their contracts at every tier.

(1) **Nondiscrimination** - In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6101 et seq., section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12101, and Federal transit law at 49 U.S.C. § 5332, the Contractor agrees that it will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, sex (including gender identity), disability, or age. In addition, the Contractor agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.

- (a) The third-party contractor and all lower tiers shall comply with all provisions of FTA Circular 4702.1 "Title VI Requirements and Guidelines for Federal Transit Administration Recipients", issued October 1, 2012.

(2) Equal Employment Opportunity - Federal Equal Employment Opportunity (EEO) Requirements include, but are not limited to:

(a) Race, Color, Religion, National Origin, Disability, Age, Sex, Sexual Orientation, Gender Identity, or Status as a Parent - In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. § 2000e, Title VI of the Civil Rights Act, 28 C.F.R. § 50.3, and Federal transit laws at 49 U.S.C. § 5332, the Contractor agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," 41 C.F.R. Parts 60 et seq., which implement Executive Order No. 11246, "Equal Employment Opportunity," as amended by Executive Order No. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," 42 U.S.C. § 2000e note, and as further amended by Executive Order 13672, "Further Amendments to Executive Order 11478, Equal Employment Opportunity in the Federal Government, and Executive Order 11246, Equal Employment Opportunity," July 21, 2014, and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of the Project. The Contractor agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, national origin, sex (including gender identity), disability, or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue. The Contractor agrees to comply with FTA Circular 4704.1A Equal Employment Opportunity (EEO) Requirements and Guidelines for Federal Transit Administration Recipients, dated October 31, 2016.

(b) Equal Employment Opportunity Requirements for Construction Activities. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

(3) Nondiscrimination on the Basis of Age – The Contractor agrees to comply with all applicable requirements of the Age Discrimination Act of 1975, as amended, 42 U.S.C. §§ 6101 *et seq.*, and with implementing U.S. Health and Human Services regulations, "Nondiscrimination on the Basis of Age in Programs or Activities Receiving Federal Financial Assistance, 45 C.F.R. Part 90, which prohibit discrimination against individuals on the basis of age.

The Age Discrimination in Employment Act (ADEA) 29 U.S.C. §§ 621 through 634 and with implementing U.S. Equal Employment Opportunity Commission (U.S. EEOC) regulations, "Age Discrimination in Employment Act," 29 C.F.R. Part 1625, which prohibits discrimination against individuals on the basis of age.

(4) Nondiscrimination on the Basis of Sex - The Contractor agrees to comply with all applicable requirements of Title IX of the Education Amendments of 1972, as amended, 20 U.S.C. §§ 1681 *et seq.*, and with implementing U.S. DOT regulations, "Nondiscrimination on the Basis of Sex in Education Programs or Activities Receiving Federal Financial Assistance," 49 C.F.R. Part 25, that prohibit discrimination on the basis of sex.

(5) Access for Individuals with Disabilities - The Contractor agrees to comply with 49 U.S.C. § 5301(d), which states the Federal policy that elderly individuals and individuals with disabilities have the same right as other individuals to use public transportation services and facilities, and that special efforts shall be made in planning and designing those services and facilities to implement transportation accessibility rights for elderly individuals and individuals with disabilities. The Contractor also agrees to comply with all applicable provisions of section 504 of the Rehabilitation Act of 1973, as amended, with 29 U.S.C. § 794, which prohibits discrimination on the basis of disability; with the Americans with Disabilities Act of 1990 (ADA), as amended, 42 U.S.C. §§ 12101 *et seq.*, which requires that accessible facilities and services be made available to individuals with disabilities; and with the Architectural Barriers Act of 1968, as amended, 42 U.S.C. §§ 4151 *et seq.*, which requires that buildings and public accommodations be accessible to individuals with disabilities. In addition, the Contractor agrees to comply with applicable Federal regulations and directives and any subsequent amendments thereto, except to the extent the Federal Government determines otherwise in writing, as follows:

- (1) U.S. DOT regulations "Transportation Services for Individuals with Disabilities (ADA)" 49 C.F.R. Part 37;
- (2) U.S. DOT regulations "Nondiscrimination on the Basis of Handicap in Programs and Activities Receiving or Benefiting from Federal Financial Assistance," 49 C.F.R. Part 27;
- (3) Joint U.S. Architectural and Transportation Barriers Compliance Board (U.S. ATBCB) U.S. DOT regulations, "Americans with Disabilities (ADA) Accessibility Specifications for Transportation Vehicles," 36 C.F.R. Part 1192 and 49 C.F. R. Part 38.
- (4) U.S. DOJ regulations "Nondiscrimination on the Basis of Disability in State and Local Government Services," 28 C.F.R. Part 35.
- (5) U.S. DOJ regulations "Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities." 28 C.F.R. Part 36.
- (6) U.S. GSA regulations "Accommodations for the Physically Handicapped," 41 C.F.R. Subpart 101-19.
- (7) U.S. Equal Employment Opportunity Commission, "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act," 29 C.F.R. Part 1630.
- (8) U.S. Federal Communications Commission regulations "Telecommunications Relay Services and Related Customer Premises Equipment for the Hearing and Speech Disabled," 49 C.F.R. Part 64, Subpart F.
- (9) U.S. Architectural and Transportation Barriers Compliance Board regulations, "Electronic and Information Technology Accessibility Standards." 36 C.F.R. Part 1194.
- (10) FTA regulations, "Transportation of Elderly and Handicapped Persons," 49 C.F.R. part 609; and
- (11) Federal regulations, "Miscellaneous Civil Rights Amendments (RRR)," pertaining to nondiscrimination on the basis of disability within 49 C.F.R. Parts 27, 37, and 38 were published in 79 Fed. Reg. 21402, April 16, 2014; and
- (12) FTA Circular 4701.1, Americans with Disabilities Act (ADA) Guidance, dated November 4, 2015.

(13) Federal civil rights and nondiscrimination directives implementing the foregoing Federal laws and regulations, except to the extent the Federal Government determines otherwise in writing.

(6) **Access to Services for Persons with Limited English Proficiency.** The Contractor agrees to comply with Executive Order No. 13166, "Improving Access to Services for Persons with Limited English Proficiency," 42 U.S.C. § 2000d-1 note, and U.S. DOT Notice, "DOT Policy Guidance Concerning Recipients' Responsibilities to Limited English Proficiency (LEP) Persons," 70 *Fed. Reg.* 74087, December 14, 2005, except to the extent that the Federal Government determines otherwise in writing.

(7) **Environmental Justice.** (According to the Master Agreement, this section is now under Environmental and applicable for Environmental Studies)

(8) **Drug or Alcohol Abuse-Confidentiality and Other Civil Rights Protections.** To the extent applicable, the Contractor agrees to comply with the confidentiality and other civil rights protections of the Drug Abuse Office and Treatment Act of 1972, as amended, 21 U.S.C. §§ 1101 *et seq.*, with the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970, as amended, 42 U.S.C. §§ 4541 *et seq.*, and with the Public Health Service Act of 1912, as amended, 42 U.S.C. §§ 290dd through 290dd-2, and any amendments thereto.

(9) **Other Nondiscrimination Laws.** The Contractor agrees to comply with applicable provisions of other Federal laws and regulations, and follow applicable directives prohibiting discrimination, except to the extent that the Federal Government determines otherwise in writing.

(10) The Contractor also agrees to include these requirements in each subcontract financed in whole or in part with Federal assistance provided by FTA, modified only if necessary to identify the affected parties.

(11) Remedies for failure to comply with applicable Federal Civil Rights laws and Federal regulations may be enforced as provided in those Federal laws or Federal regulations.

8. Clean Air Act and Federal Water Pollution Control Act

The Clean Air and Clean Water Act requirements apply to each contract and subcontract exceeding \$150,000. The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401–7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251–1387) and 2 C.F.R. Part 200, Appendix II (g). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

The Contractor also agrees to include these requirements in each subcontract exceeding \$150,000 financed in whole or in part with Federal Assistance provided by FTA.

The Contractor agrees:

- 1) It will not use any violating facilities.
- 2) It will report the use of facilities placed on or likely to be placed on the U.S. EPA "List of Violating Facilities;"
- 3) It will report violations of use of prohibited facilities to FTA; and
- 4) It will comply with the inspection and other requirements of the Clean Air Act, as amended, (42 U.S.C. §§ 7401 – 7671q); and the Federal Water Pollution Control Act as amended, (33 U.S.C. §§ 1251-1387) and 2 C.F.R. Part 200, Appendix II (g).

9. Energy Conservation

The Contractor agrees to comply with mandatory standards and policies relating to energy efficiency that are contained in the state energy conservation plans issued in compliance with the Energy Policy and Conservation Act, as amended, 42 U.S.C. § 6321 et seq., and perform an energy assessment for any building constructed, reconstructed, or modified with federal assistance as required under FTA regulations, "Requirements for Energy Assessments," 49 C.F.R. part 622, subpart C. These requirements extend to all third-party contractors and their contracts at every tier and subrecipients and their subcontracts at every tier.

10. Environmental Protection

The Contractor agrees to comply with all applicable requirements of the National Environmental Policy Act of 1969, as amended, (NEPA) 42 U.S.C. §§ 4321 through 4335 (as restricted by 42 U.S. C. § 5159, if applicable); Executive Order No. 11514, as amended, "Protection and Enhancement of Environmental Quality," 42 U.S.C. § 4321 note; FTA statutory requirements at 49 U.S.C. § 5323(c)(2)), as amended by MAP-21, ; U.S. Council on Environmental Quality regulations pertaining to compliance with NEPA, 40 C.F.R. Parts 1500 through 1508; and joint FHWA FTA regulations, "Environmental Impact and Related Procedures," 23 C.F.R. Part 771 and 49 C.F.R. Part 622 were published in the Federal Register, 78 Fed. Reg. 8963, February 7, 2013; and other applicable Federal environmental protection regulations that may be promulgated at a later date. The Contractor agrees to comply with the applicable provisions of 23 U.S.C. § 139 "Efficient environmental reviews for project decision making", pertaining to environmental procedures, and 23 U.S.C. § 326, pertaining to Purchaser's responsibility for categorical exclusions, in accordance with the provisions of joint FHWA/FTA final guidance, "Environmental Review Process (Public Law 109-59)," 71 Fed. Reg. 66576 et seq. November 15, 2006. Joint FHWA and FTA final guidance, "Interim Guidance on MAP-21 Section 1319 Accelerated Decision making in Environmental Reviews," dated January 14, 2013, and any applicable Federal directives that may be issued at a later date, except to the extent that FTA determines otherwise in writing.

11. Cargo Preference - Use of United States-Flag Vessels

46 U.S.C. 55305 and 46 C.F.R. § 381.7 (The Maritime Administration (MARAD) regulations) impose cargo preference requirements in contracts and subcontracts in which equipment, materials or commodities may be transported by ocean vessel in carrying out the project. The Cargo Preference requirements apply to all contracts involved with the transport of equipment, material, or commodities by ocean vessel. If the Contractor has knowledge of or anticipates any equipment, materials or commodities that may be shipped by ocean vessel, the Contractor agrees to the following:

- a. to use privately owned United States-Flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to the underlying contract to the extent such vessels are available at fair and reasonable rates for United States-Flag commercial vessels.
- b. to furnish within 20 working days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo described in the preceding paragraph to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590 and to the FTA recipient (through the contractor in the case of a subcontractor's bill-of-lading.); and
- c. to include these requirements in all subcontracts issued pursuant to this contract when the subcontract may involve the transport of equipment, material, or commodities by ocean vessel.

12. Buy America

FTA's Buy America law and regulations apply to projects that involve the purchase of more than \$150,000 of iron, steel, manufactured goods, or rolling stock to be delivered to the recipient to be used in an FTA assisted project. The Buy America regulation at 49 C.F.R. § 661.13 requires notification of the Buy America requirements in a recipients' bid or request for proposal for FTA funded contracts.

The contractor agrees to comply with 49 U.S.C. 5323(j), 49 C.F.R. part 661, and the FAST Act Section 3011, effective date October 1, 2015, which provide that Federal funds may not be obligated unless all steel, iron, and manufactured products used in FTA funded projects are produced in the United States, unless a waiver has been granted by FTA or the product is subject to a general waiver. General waivers are listed in 49 C.F.R. § 661.7. Appendix A grants a general public interest waiver from the Buy America requirements that apply to microprocessors, computers, microcomputers, or software, or other such devices, which are used solely for the purpose of processing or storing data. This general waiver does not extend to a product or device which merely contains a microprocessor or microcomputer and is not used solely for the purpose of processing or storing data.

Separate requirements for rolling stock are set out at 49 U.S.C. 5323(j) (2) (C) and 49 C.F.R. § 661.11. Train Control, Communication and Traction Power Equipment. For purposes of Buy America, rolling stock includes train control, communication, and traction power equipment (49 U.S.C. 5323(j) (2) (C)). See also 49 CFR 661.11(t), (u), and (v). The domestic content requirement in effect on the date a contract was signed for train control, communication, and traction power equipment will control. If the contract is signed in FY2016 or FY2017, the contract shall require an overall domestic content that exceeds 60 percent; if a contract is signed in FYs 2018 or 2019, the contract must include an overall domestic content percentage that exceeds 65 percent; and if a contract is signed in FY2020 or beyond, the domestic content must exceed 70 percent.

For purchase orders placed against State schedules on or after October 1, 2015, for rolling stock that will be delivered in FY 2016 or 2017, the domestic content requirement must exceed 60%. For purchase orders placed against State schedules for rolling stock that will be delivered in FYs 2018 or 2019, the domestic content must exceed 65%, and for purchase orders placed against State schedules for rolling stock that will be delivered in FY 2020 or beyond, the domestic content must exceed 70%.

The bidder or offeror must submit to the Procuring Agency the appropriate Buy America certification in the bid or offer. Bids or offers that are not accompanied by a completed Buy America certification will be rejected as non-responsive.

The Buy America requirements flow down from FTA to first tier contractors, who are responsible for ensuring that lower tier contractors and subcontractors are in compliance.

Effective October 1, 2015, small purchases (under the \$150,000 threshold) made with FTA funds, will not be subject to the Buy America requirement. The value of small purchases should be determined by using the "contract price" and not "unit price". This provision of the FAST Act applies to all purchases for capital, operating, or planning funds.

BIDS OR OFFERS THAT ARE SUBMITTED WITHOUT THE COMPLETED BUY AMERICA CERTIFICATION MUST BE REJECTED AS NONRESPONSIVE. BIDDERS ARE ADVISED THAT SUBMISSION OF BOTH CERTIFICATIONS WITH THE BID IS ALSO CONSIDERED NONRESPONSIVE AND WILL RESULT IN REJECTION OF THE BID; ONLY ONE CERTIFICATION (either B or C) SHALL BE SUBMITTED. The certification requirement does not apply to lower tier subcontractors.

13. **Fly America**

The Fly America requirements apply to the transportation of persons or property, by air, between a place in the U.S. and a place outside the U.S., or between places outside the U.S., when the FTA will participate in the costs of such air transportation. First tier contractors who are responsible for ensuring that lower tier contractors and subcontractors are in compliance.

a) *Definitions.* As used in this clause--

- “International air transportation” means transportation by air between a place in the United States and a place outside the United States or between two places both of which are outside the United States.
- “United States” means the 50 States, the District of Columbia, and outlying areas.
- “U.S.-flag air carrier” means an air carrier holding a certificate under 49 U.S.C. Chapter 411.

b) When Federal funds are used to fund travel, Section 5 of the International Air Transportation Fair Competitive Practices Act of 1974 (49 U.S.C. 40118) (Fly America Act) requires contractors, recipients, and others use U.S.-flag air carriers for U.S. Government-financed international air transportation of personnel (and their personal effects) or property, to the extent that service by those carriers is available. It requires the Comptroller General of the United States, in the absence of satisfactory proof of the necessity for foreign-flag air transportation, to disallow expenditures from funds, appropriated or otherwise established for the account of the United States, for international air transportation secured aboard a foreign-flag air carrier if a U.S.-flag air carrier is available to provide such services.

c) If available, the Contractor, in performing work under this contract, shall use U.S.-flag carriers for international air transportation of personnel (and their personal effects) or property.

d) In the event that the Contractor selects a carrier other than a U.S.-flag air carrier for international air transportation, the Contractor shall include a statement on vouchers involving such transportation essentially as follows:

Statement of Unavailability of U.S.-Flag Air Carriers

International air transportation of persons (and their personal effects) or property by U.S.-flag air carrier was not available or it was necessary to use foreign-flag air carrier service for the following reasons. See FAR § 47.403. *[State reasons]:*

e) The Contractor shall include the substance of this clause, including this paragraph (e), in each subcontract or purchase under this contract that may involve international air transportation.

14. Debarment, Suspension, Ineligibility, and Voluntary Exclusion

The Contractor shall comply and facilitate compliance with U.S. DOT regulations, "Nonprocurement Suspension and Debarment," 2 C.F.R. part 1200, which adopts and supplements the U.S. Office of Management and Budget (U.S. OMB) "Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," 2 C.F.R. part 180, 2 C.F.R. § 200.213, and 2 C.F.R. Part 200 Appendix II (I). These provisions apply to each contract at any tier of \$25,000 or more, and to each contract at any tier for a federally required audit (irrespective of the contract amount), and to each contract at any tier that must be approved by an FTA official irrespective of the contract amount. As such, the Contractor shall verify that its principals, affiliates, and subcontractors are eligible to participate in this federally funded contract and are not presently declared by any Federal department or agency to be:

- a) Debarred from participation in any federally assisted Award.
- b) Suspended from participation in any federally assisted Award.
- c) Proposed for debarment from participation in any federally assisted Award.
- d) Declared ineligible to participate in any federally assisted Award.
- e) Voluntarily excluded from participation in any federally assisted Award; or
- f) Disqualified from participation in any federally assisted Award.

A contract award (of any tier) in an amount expected to equal or exceed \$25,000 or a contract award at any tier for a federally required audit (irrespective of the contract amount) must not be made to parties listed on the government-wide exclusions in the System for Award Management (SAM), at <https://www.sam.gov/> in accordance with the OMB guidelines at 2 C.F.R. part 180 that implement Executive Orders 12549 and 12689. The Excluded Parties List System in SAM contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

The bidder or proposer further agrees to include a provision requiring such compliance in its lower-tier-covered transactions.

The Procuring Agency will be reviewing all third-party contractors under the "System for Award Management" at <https://www.sam.gov/> before entering into any contracts.

If the Procuring Agency or NCDOT suspends, debar, or takes similar action against a Contractor or subcontractor, the NCDOT will provide immediate written notice to the:

- (a) FTA Regional Counsel for the Region in which the NCDOT is located or implements the Project,
- (b) FTA Headquarters Manager that administers the Grant, or
- (c) FTA Chief Counsel, and
- (d) NCDOT/Public Transportation Division.

The requisite Debarment and Suspension Certification is included (attach additional statement if necessary) and must be executed for contracts of \$25,000 or more and prior to the award of the contract.

15. Pre-Award and Post-Delivery Audit Requirements

The Contractor agrees to comply with 49 U.S.C. § 5323(m) and FTA's implementing regulation at 49 C.F.R. part 663. The Contractor shall comply with the Buy America certification(s) submitted with its proposal/bid.

The Contractor agrees to participate and cooperate in any pre-award and post-delivery audits performed pursuant to 49 C.F.R. part 663 and related FTA guidance.

Pre-Award Audit:

The two lowest bidders, determined at bid opening, will be required to submit the following information within three working days of the Purchaser's request. Pre-award information may also be submitted with the bid.

(1) Buy America Requirements: (for contracts of \$150,000 and more)

The Contractor shall complete and submit a declaration certifying either compliance or noncompliance with Buy America (see Section 13. Buy America). If the Contractor certifies compliance with Buy America, it shall provide supporting documentation that indicates that the applicable* cost of all components are manufactured in the United States and that final assembly takes place in the United States. The documentation shall include:

- a) the component and subcomponent parts of the rolling stock to be purchased identified by manufacturer of the parts, their country of origin and costs.
- b) the location of the final assembly point for the rolling stock, including a description of the activities that will take place at the final assembly point and the cost of the final assembly; and
- c) a copy of the letter from FTA granting a waiver on the vehicle(s) for all or part of the Buy America requirement under section 165(b)(1), (b)(2), or (b)(4) of the Surface Transportation Assistance Act (STAA) of 1982, as amended.

**For purchase orders placed against State schedules on or after October 1, 2015, for rolling stock that will be delivered in FY 2016 or 2017, the domestic content requirement must exceed 60%. For purchase orders placed against State schedules for rolling stock that will be delivered in FYs 2018 or 2019, the domestic content must exceed 65%, and for purchase orders placed against State schedules for rolling stock that will be delivered in FY 2020 or beyond, the domestic content must exceed 70%.*

(2) Federal Motor Vehicle Safety Standards (FMVSS) Certification: (must be completed for all purchases)

The Contractor shall submit:

- a) the manufacturer's FMVSS self-certification sticker information that the vehicle complies with relevant FMVSS regulations; or
- b) the manufacturer's certified statement that the contracted vehicles will not be subject to the FMVSS regulations.

(3) Solicitation Specification Requirements:

The Contractor shall submit evidence that it will be capable of meeting the bid specifications.

Please refer to EXHIBIT I regarding computation of component and subcomponent parts.

Post-Delivery Audit:

Upon completion of the vehicle(s), and prior to filing of the title, the successful bidder shall provide the information indicated in 1-3 above. This post-delivery audit is required to ensure that the vehicle(s) were manufactured as intended. Failure to comply with this requirement or inability to certify Buy America compliance shall be cause for rejection of the vehicle(s).

Upon delivery and acceptance of the equipment, the vehicle(s) shall undergo a thorough visual inspection and road test to assure compliance with contract specifications.

*Note - The term "manufacturer" shall include, but not be limited to, the chassis manufacturer; the secondary manufacturer; a second party providing additions or modifications to the vehicle, and/or the bidder.

The two lowest bidders, determined at bid opening, will be required to submit the Pre-Audit information within three (3) working days of the Purchaser's request. This information may also be submitted with the bid. **This pre-award audit information is required to be eligible for award of the bid.** Failure to comply with this requirement shall be cause for rejection of the bid.

16. **Geographic Preference**

Procurements shall be conducted in a manner that prohibits the use of statutorily or administratively imposed in-State or local geographical preferences in evaluation or award of bids or proposals, except where applicable Federal statutes expressly mandate or encourage geographic preference. This does not preempt State licensing laws.

17. **Termination or Cancellation of Contract**

For all contracts in excess of \$10,000, the Termination clause extends to all third-party contractors and their contracts at every tier and subrecipients and their subcontracts at every tier, as referenced in 2 C.F.R. § 200.339 and 2 C.F.R. Part 200, Appendix II (B).

Termination for Convenience - The Owner may terminate this contract, in whole or in part, at any time by written notice to the Contractor when it is in the Owner's best interest. The Contractor shall be paid its costs, including contract close-out costs, and profit on work performed up to the time of termination. The Contractor shall promptly submit its termination claim to the Owner to be paid the Contractor. If the Contractor has any property in its possession belonging to Owner, the Contractor will account for the same and dispose of it in the manner the Owner directs.

Termination for Default (Breach or Cause) - If the Contractor does not deliver services in accordance with the contract delivery schedule, or if the Contractor fails to perform in the manner called for in the contract, or if the Contractor fails to comply with any other provisions of the contract, the Owner may terminate this contract for default. Termination shall be effected by serving a Notice of Termination on the Contractor setting forth the manner in which the Contractor is in default. The Contractor will be paid only the contract price for supplies delivered and accepted, or services performed in accordance with the manner of performance set forth in the contract.

If it is later determined by the Owner that the Contractor had an excusable reason for not performing, such as a strike, fire, or flood, events which are not the fault of or are beyond the control of the Contractor, the Owner, after setting up a new delivery of performance schedule, may allow the Contractor to continue work, or treat the termination as a Termination for Convenience.

Opportunity to Cure - The Owner, in its sole discretion may, in the case of a termination for breach or default, allow the Contractor [an appropriately short period of time] in which to cure the defect. In such case, the Notice of Termination will state the time period in which cure is permitted and other appropriate conditions. If Contractor fails to remedy to Owner's satisfaction the breach or default of any of the terms, covenants, or conditions of this Contract within [10 days] after receipt by Contractor of written notice from Owner setting forth the nature of said breach or default, Owner shall have the right to terminate the contract without any further obligation to Contractor. Any such termination for default shall not in any way operate to preclude Owner from also pursuing all available remedies against Contractor and its sureties for said breach or default.

Waiver of Remedies for any Breach - In the event that Owner elects to waive its remedies for any breach by Contractor of any covenant, term or condition of this contract, such waiver by Owner shall not limit Owner's remedies for any succeeding breach of that or of any other covenant, term, or condition of this contract.

18. Violation and Breach of Contract, Rights and Remedies

All contracts in excess of \$150,000 shall contain administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms and provide for such sanctions and penalties as appropriate as provided in 2 C.F.R. § 200.326 and 2 C.F.R. part 200, Appendix II (A). The Violations and Breach of Contracts clause flow down to all third-party contractors and their contracts at every tier.

Rights and Remedies of the Owner - The Owner shall have the following rights in the event that the Owner deems the Contractor guilty of a breach of any term under the Contract.

1. The right to take over and complete the work or any part thereof as agency for and at the expense of the Contractor, either directly or through other contractors.
2. The right to cancel this Contract as to any or all of the work yet to be performed.
3. The right to specific performance, an injunction or any other appropriate equitable remedy; and
4. The right to money damage.

For purposes of this Contract, breach shall include the Contractor and any subsequent named subcontractor.

Rights and Remedies of the Contractor - Inasmuch as the Contractor can be adequately compensated by money damages for any breach of this Contract, which may be committed by the Owner, the Contractor expressly agrees that no default, act or omission of the Owner shall constitute a material breach of this Contract, entitling Contractor to cancel or rescind the Contract (unless the Owner directs Contractor to do so) or to suspend or abandon performance.

Remedies - Substantial failure of the Contractor to complete the Project in accordance with the terms of this Agreement will be a default of this Agreement. In the event of a default, the Owner will have all remedies in law and equity, including the right to specific performance, without further assistance, and the rights to termination or suspension as provided herein. The Contractor recognizes that in the event of a breach of this Agreement by the Contractor before the Owner takes action contemplated herein, the Owner will provide the Contractor with sixty (60) days written notice that the Owner considers that such a breach has occurred and will provide the Contractor a reasonable period of time to respond and to take necessary corrective action.

If there is credible evidence that a Third-Party Participant (Contractor) has submitted a false claim under the False Claims Act, 31 U.S.C. § 3729 *et seq.*, or has committed a criminal or civil violation of law pertaining to fraud, conflict of interest, bribery, gratuity, or similar misconduct involving Federal funding, notification of FTA is required.

If a legal matter as described above emerges, the Owner must promptly notify the NCDOT, which in turn will notify the U.S. DOT Inspector General, in addition to the FTA Chief Counsel or FTA Regional Counsel for the Region (IV).

19. Resolution of Disputes

All contracts in excess of \$150,000 shall contain contractual disputes and remedies as appropriate as provided in 2 C.F.R. § 200.326 and 2 C.F.R. part 200, Appendix II (A). The Violations and Breach of Contracts clause flow down to all third-party contractors and their contracts at every tier.

Disputes - Disputes arising in the performance of this Contract which are not resolved by agreement of the parties shall be decided in writing by the authorized representative of the Owner. This decision shall be final and conclusive unless within ten (10) days from the date of receipt of its copy, the Contractor mails or otherwise furnishes a written appeal to the authorized representative of the Owner. In connection with any such appeal, the Contractor shall be afforded an opportunity to be heard and to offer evidence in support of its position. The decision of the authorized representative of the Owner shall be binding upon the Contractor, and the Contractor shall abide by the decision.

Alternative Dispute Resolution – The Owner and the Contractor intend to resolve all disputes under this Agreement to the best of their abilities in an informal manner. To accomplish this end, the parties will use an Alternative Dispute Resolution process to resolve disputes in a manner designed to avoid litigation. In general, the parties contemplate that the Alternative Dispute Resolution process will include, at a minimum, an attempt to resolve disputes through communications between their staff, and, if resolution is not reached at that level, a procedure for review and action on such disputes by appropriate management level officials within the Owner and the Contractor's organization.

In the event that a resolution of the dispute is not mutually agreed upon, the parties can agree to mediate the dispute or proceed with litigation. Notwithstanding any provision of this section, or any other provision of this Contract, it is expressly agreed and understood that any court proceeding arising out of a dispute under the Contract shall be heard by a Court de novo and the court shall not be limited in such proceeding to the issue of whether the Authority acted in an arbitrary, capricious or grossly erroneous manner.

Pending final settlement of any dispute, the parties shall proceed diligently with the performance of the Contract, and in accordance with the Owner's direction or decisions made thereof.

Performance during Dispute - Unless otherwise directed by the Owner, the Contractor shall continue performance under this Contract while matters in dispute are being resolved.

Claims for Damages - Should either party to the Contract suffer injury or damage to person or property because of any act or omission of the party or of any of his employees, agents or others for whose acts he is legally liable, a claim for damages therefor shall be made in writing to such other party within a reasonable time after the first observance of such injury or damage.

Remedies - Unless this contract provides otherwise, all claims, counterclaims, disputes and other matters in question between the Owner and the Contractor arising out of or relating to this agreement or its breach will be decided by arbitration if the parties mutually agree, or in a court of competent jurisdiction within the State in which the Owner is located.

Rights and Remedies - The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law. No action or failure to act by the Owner, Architect or Contractor shall constitute a waiver of any right or duty afforded any of them under the Contract, nor shall any such action or failure to act constitute an approval of or acquiescence in any breach thereunder, except as may be specifically agreed in writing.

20. Protest Procedures

To ensure that protests are received and processed effectively the Owner shall provide written bid protest procedures upon request. In all instances information regarding the protest shall be disclosed to the N.C. Department of Transportation (NCDOT). All protest requests and decisions must be in writing. A protester must exhaust all administrative remedies with the Owner before pursuing remedies through the NCDOT. Reviews of protests by the NCDOT will be limited to the Owner's failure to have or follow its protest

procedures, or its failure to review a complaint or protest. An appeal to the NCDOT must be received by the Department within three (3) working days of the date the protester knew or should have known of the violation.

The protester must deliver its appeal to the FTA Regional Administrator for the region administering its project or the FTA Associate Administrator for the program office administering its project within five (5) working days of the date when the protester has received actual or constructive notice of NCDOT's final decision. Likewise, the protester must provide its appeal to the FTA Regional Administrator for the region administering its project or the FTA Associate Administrator for the program office administering its project within five (5) working days of the date when the protester has identified other grounds for appeal to FTA. For example, other grounds for appeal include the recipient's failure to have or failure to comply with its protest procedures or failure to review the protest.

Violations of Federal law or regulation will be handled by the complaint process stated within that law or regulation. Violations of State or local law or regulations will be under the jurisdiction of State or local authorities.

21. Contract Work Hours and Safety Standards for Awards Not Involving Construction

For all contracts in excess of \$100,000 the Contractor shall comply with all federal laws, regulations, and requirements providing wage and hour protections for non-construction employees, in accordance with 40 U.S.C. § 3702, Contract Work Hours and Safety Standards Act, and other relevant parts of that Act, 40 U.S.C. § 3701 *et seq.*, and U.S. DOL regulations, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted Construction (also Labor Standards Provisions Applicable to Non-construction Contracts Subject to the Contract Work Hours and Safety Standards Act)," 29 C.F.R. part 5 and as referenced in 2 CFR part 200 Appendix II (E).

The Contractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three (3) years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid.

Such records maintained under this paragraph shall be made available by the Contractor for inspection, copying, or transcription by authorized representatives of the FTA and the Department of Labor, and the Contractor will permit such representatives to interview employees during working hours on the job.

The contractor shall require the inclusion of the language of this clause within subcontracts of all tiers.

22. No Federal Government Obligations to Third Parties

The No Obligation clause extends to all third-party contractors and their contracts at every tier.

The Owner and Contractor acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this contract and shall not be subject to any obligations or liabilities to the Owner, Contractor, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.

The Contractor agrees to include the above clause in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to its provisions.

23. Federal Tax Liability and Recent Felony Convictions

(1) Transactions Prohibited.

(i) The Recipient agrees that, prior to entering into any Third-Party Agreement with any private corporation, partnership, trust, joint-stock company, sole proprietorship, or other business association, the Recipient will obtain from the prospective Third-Party Participant a certification that the Third-Party Participant—

(A) Does not have any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability; and

(B) Was not convicted of the felony criminal violation under any Federal law within the preceding 24 months.

(ii) If the prospective Third-Party Participant cannot certify, the Recipient agrees to refer the matter to FTA and not to enter into any Third-Party Agreement with the Third-Party Participant without FTA's written approval.

(2) Flow-Down. The Recipient agrees to require all Third-Party Participants to flow this requirement down to participants at all lower tiers, without regard to the value of any sub agreement.

24. Trafficking in Persons.

1) *Legal Authorities.* The Recipient agrees to comply and assures the compliance of each Subrecipient, with federal requirements and guidance, including:

- i. Section 106(g) of the Trafficking Victims Protection Act of 2000 (TVPA), as amended, 22 U.S.C. § 7104(g); and
- ii. The terms of this section 4(f), which have been derived from U.S. OMB regulatory guidance, "Award Term for Trafficking in Persons," 2 CFR Part 175, per U.S. OMB's direction.

a) *Definitions.* The Recipient agrees that for purposes of this section 4(f):

- i) *Employee* means either an individual who is employed by the Recipient or a Subrecipient, and is participating in a Project or related activities as set forth in the Underlying Agreement, or another person who is participating in a Project or related activities as set forth in the Underlying Agreement and is not compensated by the Recipient, including, but not limited to, a volunteer, or an individual whose services are contributed by the Recipient or Third Party Participant as an in-kind contribution toward the cost sharing requirements of the Recipient's Underlying Agreement.
- ii) *Forced labor* means labor obtained by recruitment, harboring, transportation, provision, or other means of obtaining a person for labor or services through the use of force, fraud, or coercion for the purpose of subjection to involuntary servitude, peonage, debt bondage, or slavery.
- iii) *Private entity* means any entity other than a state, local government, Indian tribe, or foreign public entity, as those terms are defined in 2 CFR § 175.25, and includes a for-profit organization, or a nonprofit organization, including any nonprofit organization of higher education, hospital, or tribal organization other than one included in the definition of Indian Tribe at 2 CFR § 175.25(b).

- iv) *Severe forms of trafficking in persons* has the meaning given at section 103 of the TVPA, as amended, 22 U.S.C. § 7102.
- v) *Commercial sex act* has the meaning given at section 103 of the TVPA, as amended, 22 U.S.C. § 7102. (vi) (3)
- vi) *Coercion* has the meaning given at section 103 of the TVPA, as amended, 22 U.S.C. § 7102.

b) *Provisions Applicable to All Recipients.* The Recipient agrees to, and assures that its Subrecipients will:

- i. *Provide Information.* Inform FTA immediately of any information it receives from any source alleging a violation of the prohibitions listed in section 4(f)(4) of this Master Agreement; and
- ii. *Sub agreement Provision.* Include the following provision in any sub agreement it enters into with a private entity as defined above in section 4(f)(2)(iii) of this Master Agreement:

XXX agrees that it and its employees that participate in the Recipient's Award, may not:

Engage in severe forms of trafficking in persons during the period of time that the Recipient's Award is in effect,

Procure a commercial sex act during the period of time that the Recipient's Award is in effect, or
Use forced labor in the performance of the Recipient's Award or sub agreements thereunder.

4) *Provisions Applicable to a Private Entity Recipient.* If the Recipient is a private entity, it agrees that:

- i. *Prohibitions.* It, its employees, its Subrecipients, and its Subrecipients' employees that participate in the Underlying Agreement will not:
 - A. Engage in severe forms of trafficking in persons during the period of time that the Recipient's Underlying Agreement is in effect.
 - B. Procure a commercial sex act during the period of time that the Recipient's Underlying Agreement is in effect; or
 - C. Use forced labor in the performance of the Recipient's Underlying Agreement or sub agreements.
- ii. *Termination of Federal Assistance.* Section 106(g) of the TVPA, as amended, 22 U.S.C. § 7104(g), and U.S. OMB regulatory guidance, "Award Term for Trafficking in Persons," 2 CFR Part 175, provide FTA the right to unilaterally terminate the Underlying Agreement for a violation of that Act without penalty to the Federal Government, if FTA determines that the private entity Recipient or its Subrecipient:
 - (A) Has violated a prohibition described above in section 4(g)(4)(i) of this Master Agreement; or
 - (B) Has an employee whose conduct is determined to have violated a prohibition described above in section 4(g)(4)(i) of this Master Agreement because that employee's conduct is either:
 - a. Associated with the performance of the Recipient's Underlying Agreement; or
 - b. Imputed to the Recipient or Subrecipient using the standards of due process for conduct of an individual to an organization provided in:
 - i) U.S. DOT regulations, "Non-procurement Suspension and Debarment," 2 CFR Part 1200; or

- ii) U.S. OMB regulatory guidance, "Guidelines to Agencies on Governmentwide Debarment and Suspension (Non-procurement)," 2 CFR Part 180.
- 5) *Provisions Applicable to a Recipient That is Not a Private Entity.* A Recipient that is not a private entity agrees that section 106(g) of the TVPA, as amended, 22 U.S.C. § 7104(g), and U.S. OMB regulatory guidance, "Award Term for Trafficking in Persons," 2 CFR Part 175, provides FTA the right to unilaterally terminate the Underlying Agreement, without penalty to the Federal Government, for a violation of that Act if FTA determines that:
- (i) A private entity that is the Subrecipient of the Recipient is determined to have engaged in severe forms of trafficking in persons during the period of time that the Recipient's Underlying Agreement is in effect; procured a commercial sex act during the period of time that the Recipient's Underlying Agreement is in effect; or used forced labor in 24 the performance of the Recipient's Underlying Agreement or sub agreements thereunder; or
 - (ii) An employee of a private entity that is the Subrecipient has engaged in severe forms of trafficking in persons during the period of time that the Recipient's Underlying Agreement is in effect; procured a commercial sex act during the period of time that the Recipient's Underlying Agreement is in effect; or used forced labor in the performance of the Recipient's Underlying Agreement or sub agreements thereunder, and whose conduct described above is associated with the performance of the Recipient's Underlying Agreement; or is imputed to the Subrecipient using the standards for due process to impute the conduct of an individual to an organization as provided in U.S. OMB regulatory guidance, "Guidelines to Agencies on Governmentwide Debarment and Suspension (Non-procurement)," 2 CFR Part 180, and U.S. DOT regulations, "Non-procurement Suspension and Debarment," 2 CFR Part 1200.
- 6) *Remedies Other Than Termination of Federal Assistance.* The Recipient agrees that FTA's right to terminate federal assistance as provided in the TVPA and in sections 4(f)(4)(ii) and 4(f)(5) are in addition to all other remedies for noncompliance available to the Federal Government under this Master Agreement.

25. **Program Fraud and False or Fraudulent Statements or Claims and Related Acts**

The Program Fraud clause requirements extend to all third-party contractors and their sub-contracts at every tier.

(1) The Contractor acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. §3801 et seq. and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. Part 31, apply to its activities in connection with this Project. Upon execution of the underlying contract, the Contractor certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the underlying contract or the FTA assisted project for which this contract work is being performed. In addition to other penalties that may apply, the Contractor also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986, as amended, on the Contractor to the extent the Federal Government deems appropriate.

(2) The Contractor also acknowledges that if it makes a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under a contract connected with a project that is financed in whole or in part with Federal assistance originally awarded by FTA under the authority of 49 U.S.C. chapter 53, the Government reserves the right to impose the penalties of 18 U.S.C. § 1001 and 49 U.S.C. § 5323(l) on the Contractor, to the extent the Federal Government deems appropriate.

(3) The Contractor agrees to include the above two clauses in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clauses shall not be modified, except to identify the subcontractor who will be subject to the provisions.

26. Access to Records and Reports and Record Retention

The record keeping and access requirements extend to all third-party contractors and their contracts at every tier. Under 49 U.S.C. § 5325(g) and 2 C.F.R. § 200.336, FTA has the right to examine and inspect all records, documents, and papers, including contracts, related to any FTA project financed with Federal assistance authorized by 49 U.S.C. Chapter 53.

a. Record Retention. The Contractor will retain and will require its subcontractors of all tiers to retain, complete and readily accessible records related in whole or in part to the contract, including, but not limited to, data, documents, reports, statistics, sub-agreements, leases, subcontracts, arrangements, other third party agreements of any type, and supporting materials related to those records.

b. Retention Period. The Contractor agrees to comply with the record retention requirements in accordance with 2 C.F.R. § 200.333. The Contractor shall maintain all books, records, accounts and reports required under this Contract for a period of at not less than three (3) years after the date of termination or expiration of this Contract, except in the event of litigation or settlement of claims arising from the performance of this Contract, in which case records shall be maintained until the disposition of all such litigation, appeals, claims or exceptions related thereto.

c. Access to Records. The Contractor agrees to provide sufficient access to FTA and its contractors to inspect and audit records and information related to performance of this contract as reasonably may be required.

d. Access to the Sites of Performance. The Contractor agrees to permit FTA and its contractor's access to the sites of performance under this contract as reasonably may be required.

The Contractor agrees to permit, and require its subcontractors to permit, the U.S. Secretary of Transportation, and the Comptroller General of the United States, and, to the extent appropriate, the State, or their authorized representatives, upon their request to inspect all Project work, materials, payrolls, invoices, and other data, and to audit the books, records, and accounts of the Contractor and its subcontractors pertaining to the Project, as required by 49 U.S.C. § 5325(g) and 2 C.F.R. § 200.336.

Contractor also agrees, pursuant to 49 C.F.R. 633.17 to provide the FTA Administrator or his authorized representatives including any PMO Contractor access to Contractor's records and construction sites pertaining to a major capital project, defined at 49 U.S. D. 5302(a)1, which is receiving federal financial assistance through the programs described at 49 U.S.C. 5303, 5307, 5309, 5339, 5310, 5311, 5316, or 5317.

The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

The State of North Carolina, Office of the State Auditor, now requires that all records now be retained for a period of five (5) years after that date of termination or expiration of this contract, except in the event of litigation or settlement of claims arising from the performance of this contract, in which case Contractor agrees to maintain same until the Purchaser, the FTA Administrator, the Comptroller General, or any of their duly authorized representatives have disposed of all such litigation, appeals, claims or exceptions related thereto.

27. Bus Testing Program

The Bus Testing requirements pertain only to the purchase or lease of any new bus model, or any bus model with a major change in configuration or components to be acquired or leased with funds obligated by FTA. The PROCURING AGENCY is responsible for determining whether a vehicle to be acquired requires full or partial testing or has already satisfied the bus testing requirements by achieving a passing test score in accordance with 49 C.F.R. Part 665.

The Contractor [Manufacturer] agrees to comply with the Bus Testing requirements under 49 U.S.C. 5318(e) and FTA's implementing regulation at 49 C.F.R. part 665 to ensure that the requisite testing is performed for all new bus models or any bus model with a major change in configuration or components, and that the bus model has achieved a passing score. Upon completion of the testing, the contractor shall obtain a copy of the bus testing reports from the operator of the testing facility and make that report(s) publicly available prior to final acceptance of the first vehicle by the PROCURING AGENCY.

The Contractor [Manufacturer] agrees to comply with FTA regulations, "Bus Testing," 49 C.F.R. Part 665, to the extent they are consistent with 49 U.S.C. § 5318(e), as amended by MAP-21 and shall perform the following:

- 1) A manufacturer of a new bus model or a bus produced with a major change in components or configuration shall provide a copy of the final test report to the recipient at a point in the procurement process specified by the recipient which will be prior to the recipient's final acceptance of the first vehicle.
- 2) A manufacturer who releases a report under paragraph 1 above shall provide notice to the operator of the testing facility that the report is available to the public.
- 3) If the manufacturer represents that the vehicle was previously tested, the vehicle being sold should have the identical configuration and major components as the vehicle in the test report, which must be provided to the recipient prior to recipient's final acceptance of the first vehicle. If the configuration or components are not identical, the manufacturer shall provide a description of the change and the manufacturer's basis for concluding that it is not a major change requiring additional testing.
- 4) If the manufacturer represents that the vehicle is "grandfathered" (has been used in mass transit service in the United States before October 1, 1988, and is currently being produced without a major change in configuration or components), the manufacturer shall provide the name and address of the recipient of such a vehicle and the details of that vehicle's configuration and major components.

The Bus Testing Certification is included as ATTACHMENT F and must be executed for ALL contracts prior to the award of the contract.

28. State and Local Disclaimer

The use of many of the suggested clauses is not governed by Federal law but are significantly affected by State law. The language of the suggested clauses may need to be modified depending on state law, and that before the suggested clauses are used in the grantee's procurement documents, the grantee should consult with their local attorney.

29. Incorporation of Federal Transit Administration (FTA) Terms

The preceding provisions include, in part, certain Standard Terms and Conditions required by USDOT, whether or not expressly set forth in the preceding contract provisions. In order to comply with the requirements of 49 U.S.C. chapter 53 and other applicable federal laws, regulations, and requirements in effect now or later that affect its third party procurements, all contractual provisions required by USDOT, as set forth in FTA Circular 4220 (as amended); the current Master Agreement, and 2 C.F.R 200 are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Agreement.

The Contractor shall not perform any act, fail to perform any act, or refuse to comply with any requests which would cause the Procuring Agency to be in violation of the FTA terms and conditions.

30. Hold Harmless

Except as prohibited or otherwise limited by State law, the Contractor agrees to indemnify, save, and hold harmless the Owner of this Contract and its officers, agents, and employees acting within the scope of their official duties against any liability, including all claims, losses, costs and expenses accruing or resulting to any other person, firm, or corporation furnishing or supplying work, services, materials, or supplies in connection with the performance of this contract, and from any and all claims and losses accruing or resulting to any person, firm, or corporation that may be injured or damaged by the contractor or subcontractor in the performance of this contract and that are attributable to the negligence or intentionally tortuous acts of the contractor.

The Contractor represents and warrants that it shall make no claim of any kind or nature against the Owner or its agents who are involved in the delivery or processing of contractor goods to the Owner. The representation and warranty in the preceding sentence shall survive the termination or expiration of this contract.

31. Safe Operation of Motor Vehicles

The Safe Operation of Motor Vehicles requirements flow down to all third party contractors at every tier. In compliance with Federal Executive Order No. 13043, April 16, 1997, 23 U. S. C. § 402 (Increasing Seat Belt Use) and Executive Order No. 13513 Reducing Text Messaging While Driving,” October 1, 2009, 23 U.S.C. Section 402 note, and DOT Order 3902.10, “Text Messaging While Driving,” December 30, 2009,

Seat Belt Use - The Contractor is encouraged to adopt and promote on-the-job seat belt use policies and programs for its employees and other personnel that operate company-owned, rented, or personally operated vehicles. The terms “company-owned” and “company-leased” refer to vehicles owned or leased either by the Contractor or Owner.

Distracted Driving -The Contractor agrees to adopt and enforce workplace safety policies to decrease crashes caused by distracted drivers, including policies to ban text messaging while using an electronic device supplied by an employer, and driving a vehicle the driver owns or rents, a vehicle Contractor owns, leases, or rents, or a privately-owned vehicle when on official business in connection with the work performed under this agreement.

32. Exclusionary or Discriminatory Specifications

The Contractor agrees that it will comply with the requirements of 49 U.S.C. Sect. 5325(h) by refraining from using any funds derived from FTA in performance of this Contract to support sub-contracts using exclusionary or discriminatory specifications or requirements.

33. Metric System

To the extent required by U.S. DOT or FTA, the Contractor agrees to use the metric system of measurement in its Contract activities as may be required by 49 U.S.C. Sect. 205a et seq.; Executive Order No. 12770, "Metric Usage in Federal Government Programs," 15 U.S.C. Sect. 205a; and other regulations, guidelines and policies issued by U.S. DOT or FTA. To the extent practicable and feasible, the Contractor agrees to accept products and services with dimensions expressed in the metric system of measurement.

34. North Carolina State Ethics Requirement

Pursuant to Executive Order # 24, this section should be included in the terms and conditions of all contracts let by the Governor's Cabinet Agencies and the Office of the Governor:

- 1) "By Executive Order 24 and N.C. G.S. § 133-32, it is unlawful for any vendor or contractor (i.e. architect, bidder, contractor, construction manager, design professional, engineer, landlord, offeror, seller, subcontractor, supplier, or vendor), to make gifts or to give favors to any State employee of the Governor's Cabinet Agencies (i.e., Administration, Commerce, Correction, Crime Control and Public Safety, Cultural Resources, Environment and Natural Resources, Health and Human Services, Juvenile Justice and Delinquency Prevention, Revenue, Transportation, and the Office of the Governor). This prohibition covers those vendors and contractors who:

- (1) have a contract with a governmental agency; or
- (2) have performed under such a contract within the past year; or
- (3) anticipate bidding on such a contract in the future.

For additional information regarding the specific requirements and exemptions, vendors and contractors are encouraged to review Executive Order 24 and G.S. Sec. 133-32.

Executive Order 24 also encouraged and invited other State Agencies to implement the requirements and prohibitions of the Executive Order to their agencies. Vendors and contractors should contact other State Agencies to determine if those agencies have adopted Executive Order 24."

To be added near the signature portion of all contracts let by the Governor's Cabinet Agencies and the Office of the Governor:

"N.C.G.S. § 133-32 and Executive Order 24 prohibit the offer to, or acceptance by, any State Employee 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 any response in this procurement, you attest, for your entire organization and its employees or agents, that you are not aware that any such gift has been offered, accepted, or promised by any employees of your organization."

35. Sensitive Security Information

Each third-party contractor must protect, and take measures to ensure that its subcontractors at each tier protect, “sensitive security information” made available during the administration of a third-party contract or subcontract to ensure compliance with “The Homeland Security Act”, as amended, specifically 49 U.S.C. Section 40119(b), The Aviation and Transportation Security Act, as amended, 49 U.S.C. § 114(r), U.S. DOT regulations, “Protection of Sensitive Security Information,” 49 C.F.R. part 15, and U.S. Department of Homeland Security, Transportation Security Administration regulations, “Protection of Sensitive Security Information,” 49 C.F.R. part 1520.

36. National Intelligent Transportation Systems Architecture and Standards *(applicable to ITS projects)*

To the extent applicable, the Contractor agrees to conform to the National Intelligent Transportation Systems (ITS) Architecture and Standards requirements of 23 U.S.C. § 517(d), unless it obtains an exemption from those requirements, and follow FTA Notice, “FTA National ITS Architecture Policy on Transit Projects,” 66 Fed. Reg. 1455, January 8, 2001, and all other federal guidance.

37. NC E-Verify Requirements

To ensure compliance with the E-Verify requirements of the General Statutes of North Carolina, all contractors, including any subcontractors employed by the contractor(s), by submitting a bid, proposal or any other response, or by providing any material, equipment, supplies, services, etc., attest and affirm that they are aware and in full compliance with Article 2 of Chapter 64, (NCGS64-26(a)) relating to the E-Verify requirements by executing and submitting the E-Verify Affidavit included in this Invitation for Bids as **Attachment G. *(Form required for all equipment requiring installation)***

ATTACHMENT K: PRE AWARD AND POST DELIVERY AUDIT REQUIREMENTS

PRE AWARD AND POST DELIVERY AUDIT REQUIREMENTS:

Component Cost requirements of the manufacturer to meet Buy America:

The cost of components that are produced in the US (domestic) must be more than 70% of the cost of all the components of a vehicle and final assembly takes place in the US.

For a component to be domestic, more than 70% of the subcomponents' cost must be of domestic origin and manufacture of component must be in US

Level of documentation of costs required must comply with 661.11(o)(1):

The cost of a component or a subcomponent is the price that a bidder or contractor must pay to a subcontractor or supplier for that component or subcomponent.

The cost used in the computation of domestic content may include appropriate fully allocated costs of the component or subcomponent, which would include overhead and profit allocation.

Costs may be presented in percentage form or dollar amount.

Domestic Content Example

<u>Item</u>	<u>Total Cost of Components</u>	<u>Percent/Domestic</u>
One bus (ABC Mfr.)	\$100	At least 70% of total cost

60% Domestic Component

<u>Component</u>	<u>Domestic content</u>
1. Engine (X Co.)	\$30 (30% of total component cost)
2. Transmission (Y Co.)	\$20 (20% of total component cost)
3. Wheels (Z Co.)	<u>\$25</u> (25% of total component cost)
Subtotal	\$75 (75% of total component cost) (5% more than required; no further components needed)

Breakdown of components for domestic sub-component content

<u>Sub-component</u>	<u>Domestic content</u>
1. Engine (total cost \$30)	
a) Valves (A Co.)	\$12.00 (40% of cost of engine)
b) Block (B Co.)	<u>\$10.50</u> (35% of cost of engine)
Subtotal	\$22.50 (75% of cost of engine) (5% more than required)
2. Transmission (total cost \$10)	
a) Gears (C Co.)	\$ 2.00 (20% of cost of trans.)
b) Housing (D Co.)	<u>\$ 6.00</u> (60% of cost of trans.)
Subtotal	\$8.00 (80% of cost of trans.) (minimum percentage achieved)
3. Wheels (total cost \$15)	
a) Castings (F Co.)	<u>\$12.00</u> (80% of cost of wheels)
Subtotal	\$12.00 (80% of cost of wheels) (10% more than required)

ATTACHMENT L: CERTIFICATION REGARDING LOBBYING

CERTIFICATION REGARDING LOBBYING

(To be submitted with all offers exceeding \$100,000; must be executed prior to Award)

The undersigned _____ certifies, to the best of his or her knowledge and belief, that:
(Contractor)

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any persons for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding to any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance is placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into these transactions imposed by 31, U.S.C. §1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The Contractor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. §1352, *et seq.*, apply to this certification and disclosure, if any.

Date

Signature of Contractor's Authorized Official

Name and Title of Contractors Authorized Official

Subscribed and sworn to before me this ___ day of _____, 20__, in the State of __;
and the County of _____.

Notary Public _____
My Appointment Expires _____

ATTACHMENT M: TRANSIT VEHICLE MANUFACTURERS CERTIFICATION OF COMPLIANCE WITH 49 CFR PART 26.49

**TRANSIT VEHICLE MANUFACTURERS CERTIFICATION OF
COMPLIANCE WITH 49 CFR PART 26.49**

(Must be submitted with all bids. A bid, which does not include this certification, will not be eligible for award.)

This procurement is subject to the provisions of 49 CFR, Part 26.49. Accordingly, as a condition of permission to bid, the following certification must be completed and submitted with the bid.

TRANSIT VEHICLE MANUFACTURER CERTIFICATION

_____, a TVM, hereby certifies that it has complied with the requirement of
(Name of Manufacturer)

49 CFR Part 26.49 by submitting a current annual DBE goal to FTA. The goals apply to Federal Fiscal Year ____,
October 1, __ to September 30, __ and have been approved or not disapproved by FTA.

OR

_____, hereby certifies that the Manufacturer of the transit vehicle to
(Name of Dealer/Distributor)

be supplied, _____, has complied with the above-referenced
(Name of Manufacturer)

requirement of 49 CFR Part 26.49.

DATE _____

SIGNATURE _____

TITLE _____

COMPANY _____

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____, 20 ____.

Notary Public _____

My Appointment Expires _____

ATTACHMENT N: CERTIFICATE OF COMPLIANCE WITH BUY AMERICA ROLLING STOCK REQUIREMENTS

**CERTIFICATE OF COMPLIANCE
WITH BUY AMERICA ROLLING STOCK REQUIREMENTS**
(Including train control, communication, and traction power equipment)

(To be submitted with all bids exceeding \$150,000. A bid, which does not include this certification or the certification under Attachment D, will not be eligible for award.)

The bidder hereby certifies that it will comply with the requirements of 49 U.S.C. Section 5323(j), and the regulations in 49 CFR Part 661.11.

DATE _____

SIGNATURE _____

NAME _____

TITLE _____

COMPANY _____

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____, 20____.

Notary Public _____

My Appointment Expires _____

ATTACHMENT O: CERTIFICATE OF NON-COMPLIANCE WITH BUY AMERICA ROLLING STOCK REQUIREMENTS

**CERTIFICATE OF NON-COMPLIANCE
WITH BUY AMERICA ROLLING STOCK REQUIREMENTS
(Including train control, communication, and traction power equipment)**

(To be submitted with all bids exceeding \$150,000. A bid, which does not include this certification or the certification under Attachment C, will not be eligible for award.)

The bidder hereby certifies that it cannot comply with the requirements of 49 U.S.C. Section 5323(j), but may qualify for an exception to the requirement consistent with 49 U.S.C. Section 5323(j)(2)(C), and regulations in 49 CFR 661.7.

DATE _____

SIGNATURE _____

NAME _____

TITLE _____

COMPANY _____

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____, 20__.

Notary Public _____

My Appointment Expires _____

ATTACHMENT P: CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY and VOLUNTARY EXCLUSION LOWER TIER COVERED TRANSACTION

CERTIFICATION REGARDING DEBARMENT, SUSPENSION,
INELIGIBILITY and VOLUNTARY EXCLUSION
LOWER TIER COVERED TRANSACTION

(To be submitted with all bids exceeding \$25,000.)

- (1) The prospective lower tier participant (Bidder/Contractor) certifies, by submission of this bid or proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) The prospective Bidder/Contractor also certifies by submission of this bid or proposal that all subcontractors and suppliers (this requirement flows down to all subcontracts at all levels) are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (3) Where the prospective lower tier participant (Bidder/Contractor) is unable to certify any of the statements in this certification, such prospective participant shall attach an explanation to this bid or proposal.

The lower tier participant (Bidder/Contractor), certifies or affirms the truthfulness and accuracy of this statement of its certification and disclosure, if any.

DATE _____

SIGNATURE _____

NAME _____

TITLE _____

COMPANY _____

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____, 20__.

Notary Public _____

My Appointment Expires _____

ATTACHMENT Q: CERTIFICATE OF NON-COMPLIANCE WITH BUY AMERICA ROLLING STOCK REQUIREMENTS

**CERTIFICATION OF COMPLIANCE
WITH FTA'S BUS TESTING REQUIREMENTS**

(To be submitted with all bids.)

The undersigned certifies that the vehicles offered in this procurement comply and will, when delivered, comply with 49 U.S.C. § 5323(c) and FTA's implementing regulation at 49 CFR Part 665, and any amendments thereto, according to one of the following three alternatives.

(Indicate with an "X" only one of the following statements.)

1. ____ The vehicles offered herewith have been tested in accordance with 49 CFR Part 665 on _____ (date). The vehicles being sold should have identical configuration and major components as the vehicle in the test report, which must be submitted with this Bid. If the configuration or components are not identical, the manufacturer shall provide with its Bid a description of the change and the manufacturer's basis for concluding that it is not a major change requiring additional testing.
2. ____ The vehicles offered are a new model, or with a major change in configuration or components to be acquired and will be tested and the full bus testing report(s) and any applicable partial testing report(s) will be submitted to the Purchaser before final acceptance of the first vehicle.
3. ____ The manufacturer represents that the vehicles offered are "grandfathered" (has been used in mass transit service in the United States before October 1, 1988, and is currently being produced without a major change in configuration or components), and submits with this Bid the name and address of the recipient of such a vehicle and the details of that vehicle's configuration and major components.
4. ____ The manufacturer represents that the vehicles offered are not required to be bus tested.

The undersigned understands that misrepresenting the testing status of a vehicle acquired with Federal financial assistance may subject the undersigned to civil penalties as outlined in the Department of Transportation's regulation on Program Fraud Civil Remedies, 49 CFR Part 31. In addition, the undersigned understands that FTA may suspend or debar a manufacturer under the procedures in 49 CFR Part 29.

SIGNATURE _____

TITLE _____

COMPANY _____

DATE _____

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____, 20____.

Notary Public _____

My Appointment Expires _____

ATTACHMENT R: AFFIDAVIT OF COMPLIANCE WITH N.C. E-VERIFY STATUTES

STATE OF NORTH CAROLINA
COUNTY OF _____

AFFIDAVIT OF COMPLIANCE WITH N.C. E-VERIFY STATUTES

(To be submitted with all bids)

I, _____ (hereinafter the "Affiant"), duly authorized by and on behalf of
_____ (hereinafter the "Employer") after being first duly sworn deposes and says as follows:

1. I am the _____ (President, Manager, CEO, etc.) of the Employer and possess the full authority to speak for and on behalf of the Employer identified above.
2. Employer understands that "E-Verify" means the federal E-Verify program operated by the United States Dept. of Homeland Security and other federal agencies, or any successor or equivalent program used to verify the work authorization of newly hired employees pursuant to federal law.

☐

- a. Employer employs 25 or more employees and is in compliance with the provisions of N.C. General Statute §64-26. Employer has verified the work authorization of its employees through E-Verify and shall retain the records of verification for a period of at least one year.

☐

Employer employs fewer than 25 Employees and is therefore not subject to the provisions of N.C. General Statute §64-26.

3. All subcontractors engaged by or to be engaged by Employer have or will have likewise complied with the provisions of N.C. General Statute §64-26.
4. Employer shall keep the State of North Carolina informed of any change in its status pursuant to Article 2 of Chapter 64 of the North Carolina Statutes.

This ____ day of _____, 20____.

Signature of Affiant

Printed Name and Title

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____, 20____.

Notary Public _____

My Appointment Expires _____

ATTACHMENT S: FMVSS REQUIREMENTS

CHASSIS FMVSS REQUIREMENTS

U.S. & CANADIAN MOTOR VEHICLE SAFETY STANDARDS (Application By Vehicle Type)

Standard Number	Title of Standard	Vehicle Type					Equipment (1)
		Bus (Not School Bus)	School Bus	Truck (Not Walk-In Van)	MPV	Truck (Walk-In Van)	
101	Controls and Displays	X	X	X	X	X	
102	Transmission Shift Lever Sequence, Starter Interlock and Transmission Braking Effect	X	X	X	X	X	
103	Windshield Defrosting and Defogging Systems	X	X	X	X	X	
104	Windshield Wiping and Washing Systems	X	X	X	X	X	
105	Hydraulic and Electric Brake Systems	X	X	X	X	X	
106	Brake Hoses	X	X	X	X	X	X
108	Lamps, Reflective Devices and Associated Equipment	X	X	X	X	X	X
108.1	Alternative Requirements for Headlamps (Canada only)	X	X	X	X	X	X
111	Rearview Mirrors	X	X	X	X	X	
113	Hood Latch System	X	X	X	X	X	
115	Vehicle Identification Number (Canada only)	X	X	X	X	X	
116	Motor Vehicle Brake Fluids	X	X	X	X	X	X
119 (2)	New Pneumatic Tires for Motor Vehicles with a GVWR of More Than 4,536 Kilograms (10,000 Pounds) and Motorcycles						X
120	Tire Selection and Rims and Motor Home / Recreation Vehicle Trailer Load Carrying Capacity Information for Motor Vehicles with a GVWR of More Than 4,536 Kilograms (10,000 Pounds)	X	X	X	X	X	X
124	Accelerator Control Systems	X	X	X	X	X	
131	School Bus Pedestrian Safety Devices (except Multifunction School Activity Bus)		X				
205	Glazing Materials	X	X	X	X	X	X
206	Door Locks and Door Retention Components			X	X	X	
207	Seating System	X	X	X	X	X	
208	Occupant Crash Protection	X	X	X	X	X	X
209	Seat Belt Assemblies	X	X	X	X		X
210	Seat Belt Assembly Anchorages	X	X	X	X	X	
210.1	User-Ready Tether Anchorages for Restraint Systems and Booster Seats (Canada only)		X				
210.2	Lower Universal Anchorage Systems for Restraint Systems and Booster Seats (Canada only)		X				
213	Child Restraint Systems (U.S. only)	X	X	X	X	X	X

U.S. & CANADIAN MOTOR VEHICLE SAFETY STANDARDS (Application By Vehicle Type) *(Continued)*

Standard Number	Title of Standard	Vehicle Type					Equipment (1)
		Bus (Not School Bus)	School Bus	Truck (Not Walk-In Van)	MPV	Truck (Walk-in Van)	
213.4	Built-In Child Restraint Systems & Built-In Booster Seats (Canada only)	X	X	X	X	X	X
217	Bus Emergency Exits and Window Retention and Release	X	X				
220	School Bus Rollover Protection		X				
221	School Bus Body Joint Strength		X				
222	School Bus Passenger Seating and Crash Protection		X				
301	Fuel System Integrity		X				
301.1	LPG Fuel System Integrity (Canada only)			X	X		
301.2	CNG Fuel System Integrity (Canada only)			X	X		
302	Flammability of Interior Materials	X	X	X	X	X	
303	Fuel System Integrity of Compressed Natural Gas Vehicles (U.S. only)		X				
304	Compressed Natural Gas Fuel Container Integrity (U.S. only)	X	X	X	X	X	
403	Platform Lift Systems for Motor Vehicles						X
404	Platform Lift Installations in Motor Vehicles	X	X	X	X	X	
PART 393.67	Parts and Accessories Necessary for Safe Operation – Liquid Fuel Tanks					X	X
PART 565/565.4	Vehicle Identification Number (VIN) Requirements (U.S. only)	X	X	X	X	X	
PART 567	Certification (Label Contents & Location)	X	X	X	X	X	
1106	Noise Emissions (Canada only)	X	X	X	X	X	

(1) This column identifies Standards that have equipment/component requirements.

(2) Canadian 119 requirements are found in the Motor Vehicle Tire Safety Standards.

The Bidder, _____, hereby certifies and affirms that all applicable FMVSS requirements, or any amendment thereto, have been met or will be met in the construction and manufacture of the vehicles supplied under this bid/contract.

Date

Signature of Bidder

Name and Title of Bidder

ATTACHMENT T: ELIGIBLE NCDOT INTEGRATED MOBILITY DIVISION GRANT RECIPIENTS

COMMUNITY TRANSPORTATION AND HUMAN SERVICE TRANSPORTATION PROGRAMS

Public Entities

(County, Municipality, Public Authority, Transportation Authority, or Political Subdivisions of the State)

- | | |
|---|---|
| • Alamance County Transportation Authority | • Iredell County |
| • Albemarle Regional Health Services (dba Inter-County Public Transportation Authority) | • Jackson County |
| • Alleghany County | • Johnston County |
| • Anson County | • Kerr Area Transportation Authority |
| • AppalCART | • Lee County |
| • Avery County Transportation Authority | • Lenoir County |
| • Bladen County | • Lincoln County |
| • Buncombe County | • Macon County |
| • Cabarrus County | • Madison County Transportation Authority |
| • Carteret County | • Martin County |
| • Caswell County | • Mecklenburg County |
| • Cherokee County | • Mitchell County Transportation Authority |
| • Choanoke Public Transportation Authority | • Moore County |
| • City of Salisbury | • New Hanover County |
| • City of Wilson | • Orange County |
| • Clay County | • Person County |
| • Columbus County | • Pitt County |
| • Craven County | • Polk County Transportation Authority |
| • Cumberland County | • Robeson County |
| • Dare County | • Rowan County |
| • Davidson County | • Rutherford County |
| • Duplin County | • Sampson County |
| • Durham County | • Scotland County |
| • Eastern Band of Cherokee Indians | • Stanly County |
| • Gaston County | • Tar River Transit |
| • Gates County | • Transylvania County |
| • Goldsboro-Wayne Transportation Authority | • Tyrrell County |
| • Graham County | • Union County |
| • Greene County | • Wake County |
| • Guilford County | • Washington County |
| • Harnett County | • Western Piedmont Regional Transit Authority |
| • Haywood County | • Wilkes Transportation Authority |
| • Hoke County | • Wilson County |
| • McDowell County | • Yancey County Transportation Authority |

Private Non-Profits

- | | |
|--|---|
| • Ashe County Transportation Authority, Inc. | • Randolph County Senior Adult Association, Inc. |
| • Beaufort County Developmental Center, Inc. | • Richmond Interagency Transportation, Inc. |
| • Brunswick Transit System, Inc. | • Aging, Disability and Transit Services of Rockingham Co. (Inc.) |
| • Chatham Transit Network (Inc.) | |

- | | |
|---|--|
| • Hyde County Non-Profit Private Transportation Corp. | • Senior Care Connections (Robeson Co.) |
| • Community & Senior Serv. of Johnston County, Inc. | • Senior Resources of Guilford (Inc.) |
| • McDowell County Transportation Planning Board, Inc. | • Swain County Focal Point on Aging, Inc. |
| • Mountain Projects, Inc. | • The Mental Health Fund, Inc. (Catawba Co.) |
| • Onslow United Transit System, Inc. | • Transportation Administration of Cleveland Co., Inc. |
| • Pace at Home, Inc. | • Western Carolina Community Action, Inc. |
| • Pender Adult Services, Inc. | • Yadkin Valley Economic Development District, Inc. |
| | • Wake Enterprises, Inc. |
| | • The Arc of Wake County, Inc. |

METROPOLITAN AREA TRANSIT PROGRAMS

- | | |
|--|---|
| • City of Asheville | • City of Greenville |
| • City of Burlington | • Henderson County or City of Hendersonville |
| • Cape Fear Public Transportation Authority (aka WAVE) | • City of High Point |
| • Town of Cary | • City of Jacksonville |
| • Town of Chapel Hill | • Piedmont Authority for Regional Transportation (aka PART) |
| • City of Charlotte | • City of Raleigh (aka Go Raleigh) |
| • City of Concord – Concord-Kannapolis Area Transit | • Research Triangle Regional Public Transportation Authority (aka Triangle Transit, TTA, Go Triangle) |
| • City of Durham (aka Go Durham) | • City of Rocky Mount |
| • City of Fayetteville | • City of Winston-Salem |
| • City of Gastonia | • Western Piedmont Regional Transit Authority (aka Greenway Transit) |
| • Goldsboro-Wayne Transportation Authority | |
| • City of Greensboro | |