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# ORIGINAL COST

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**West Virginia State Purchasing Department  
2019 Washington St., East  
Charleston, WV 25305-0130**



**RFQ # PTR14048  
2 - 176" - 186" Wheelbase Cutaway Buses**

**August 7, 2014 – 1:30 PM**

**Submitted by:**



**Transportation Equipment Sales Corp.**

6401 Seaman Rd., P.O. Box 167230  
Oregon, OH 43616-7230  
(419) 836-2835 • (800) 227-3572  
Fax (419) 836-8460

08/06/14 09:44:30AM  
West Virginia Purchasing Division

REQUEST FOR QUOTATION  
PTR14048 176-186" Wheelbase Transit Vehicles

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Item Description	Unit Price Per Vehicle	Estimated Quantity	Total Price for Bid Evaluation
176-186" Cutaway Bus with Three (3) Wheelchair Securements	\$75,886.00	2	\$151,772.00



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# ORIGINAL TECHNICAL

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**West Virginia State Purchasing Department  
2019 Washington St., East  
Charleston, WV 25305-0130**



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6401 Seaman Rd., P.O. Box 167230  
Oregon, OH 43616-7230  
(419) 836-2835 • (800) 227-3572  
Fax (419) 836-8460



Proven Quality.  
Trusted Name.

Transportation Equipment Sales Corporation

August 5, 2014

West Virginia State Purchasing Division  
Beth Collins, Senior Buyer - File 53  
2019 Washington St., East  
Charleston, WV 25305-0130

Ms. Collins:

**RFQ# PTR14048**

Thank you for the invitation to submit a bid for 2 - 176 - 186" " Wheelbase  
Cutaway Buses. We are pleased to offer a 2015 Elkhart Coach ECII /2015 Ford  
E450 chassis to meet or exceed your requested specifications.

We appreciate the opportunity to work with you on this contract. Please call me at  
1-800-227-3572 with any questions regarding our bid.

Sincerely,

Jeffrey P. Pappas  
Executive Vice President

tescobus.com

6401 Seaman Rd  
PO Box 167230  
Oregon, Ohio  
43616-7230

419.836.2835  
419.836.8460 fax  
800.227.3572

<b>1</b>	<b>Bid Documents</b>
<b>2</b>	<b>Addendums</b>
<b>3</b>	<b>Specifications, Floor Plans &amp; Brochures</b>
<b>4</b>	<b>Test &amp; Compliance Documentation</b>
<b>5</b>	
<b>6</b>	<b>Warranty &amp; Service Documentation</b>
<b>7</b>	<b>TESCO Literature</b>
<b>8</b>	

# **Bid Documents**



State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

## Solicitation

NUMBER

PTR14048

PAGE

1

ADDRESS CORRESPONDENCE TO ATTENTION OF:

BETH COLLINS  
304-558-2157

RFQ COPY

TYPE NAME/ADDRESS HERE

Transportation Equipment Sales Corp.

6401 Seaman Rd.

Oregon, OH 43616

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DIVISION OF PUBLIC TRANSIT

BUILDING 5, ROOM 906

1900 KANAWHA BOULEVARD, EAST  
CHARLESTON, WV

25305-0432 304-558-0428

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DATE PRINTED

06/18/2014

BID OPENING DATE:

07/22/2014

BID OPENING TIME

1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	2	EA		557-05	\$75,886.00	\$151,772.00
176-186" WHEELBASE CUTAWAY BUSES WITH 3 W/C SPACES						
REQUEST FOR QUOTATION (RFQ)						
ONE TIME PURCHASE						
THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF PUBLIC TRANSIT, IS SOLICITING BIDS FOR TWO (2) EACH 176" - 186" WHEELBASE CUTAWAY BUSES WITH THREE (3) WHEELCHAIR SPACES, AIR CONDITIONING, AND WHEELCHAIR SECUREMENTS, PER THE ATTACHED DOCUMENTATION.						
***** THIS IS THE END OF RFQ PTR14048 ***** TOTAL:						\$151,772.00

SIGNATURE

TELEPHONE

800-227-357

DATE

8/05/2014

TITLE

Executive Vice

FEIN

34-102990

ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

## INSTRUCTIONS TO VENDORS SUBMITTING BIDS

1. **REVIEW DOCUMENTS THOROUGHLY:** The attached documents contain a solicitation for bids. Please read these instructions and all documents attached in their entirety. These instructions provide critical information about requirements that if overlooked could lead to disqualification of a Vendor's bid. All bids must be submitted in accordance with the provisions contained in these instructions and the Solicitation. Failure to do so may result in disqualification of Vendor's bid.
2. **MANDATORY TERMS:** The Solicitation may contain mandatory provisions identified by the use of the words "must," "will," and "shall." Failure to comply with a mandatory term in the Solicitation will result in bid disqualification.
3. **PREBID MEETING:** The item identified below shall apply to this Solicitation.



A pre-bid meeting will not be held prior to bid opening.



A **NON-MANDATORY PRE-BID** meeting will be held at the following place and time:



A **MANDATORY PRE-BID** meeting will be held at the following place and time:

All Vendors submitting a bid must attend the mandatory pre-bid meeting. Failure to attend the mandatory pre-bid meeting shall result in disqualification of the Vendor's bid. No one person attending the pre-bid meeting may represent more than one Vendor.

An attendance sheet provided at the pre-bid meeting shall serve as the official document verifying attendance. The State will not accept any other form of proof or documentation to verify attendance. Any person attending the pre-bid meeting on behalf of a Vendor must list on the attendance sheet his or her name and the name of the Vendor he or she is representing. Additionally, the person attending the pre-bid meeting should include the Vendor's E-Mail address, phone number, and Fax number on the attendance sheet. It is the Vendor's responsibility to locate the attendance sheet and provide the required information. Failure to complete the attendance sheet as required may result in disqualification of Vendor's bid.

All Vendors should arrive prior to the starting time for the pre-bid. Vendors who arrive after the starting time but prior to the end of the pre-bid will be permitted to sign in, but are charged with knowing all matters discussed at the pre-bid.

Questions submitted at least five business days prior to a scheduled pre-bid will be discussed at the pre-bid meeting if possible. Any discussions or answers to questions at the pre-bid meeting are preliminary in nature and are non-binding. Official and binding answers to questions will be published in a written addendum to the Solicitation prior to bid opening.

4. **VENDOR QUESTION DEADLINE:** Vendors may submit questions relating to this Solicitation to the Purchasing Division. Questions must be submitted in writing. All questions must be submitted on or before the date listed below and to the address listed below in order to be considered. A written response will be published in a Solicitation addendum if a response is possible and appropriate. Non-written discussions, conversations, or questions and answers regarding this Solicitation are preliminary in nature and are non-binding.

Question Submission Deadline: July 7, 2014 at 5:00 PM, EST

Submit Questions to: Beth A. Collins, senior buyer

2019 Washington Street, East

Charleston, WV 25305

Fax: (304) 558-4115

*(Vendors should not use this fax number for bid submission)*

Email: [beth.a.collins@wv.gov](mailto:beth.a.collins@wv.gov)

5. **VERBAL COMMUNICATION:** Any verbal communication between the Vendor and any State personnel is not binding, including that made at the mandatory pre-bid conference. Only information issued in writing and added to the Solicitation by an official written addendum by the Purchasing Division is binding.
6. **BID SUBMISSION:** All bids must be signed and delivered by the Vendor to the Purchasing Division at the address listed below on or before the date and time of the bid opening. Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason. The Purchasing Division will not accept bids, modification of bids, or addendum acknowledgment forms via e-mail. Acceptable delivery methods include hand delivery, delivery by courier, or facsimile. The bid delivery address is:

Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130



The bid should contain the information listed below on the face of the envelope or the bid may not be considered:

SEALED BID: \_\_\_\_\_  
 BUYER: Beth A. Collins  
 SOLICITATION NO.: PTR14048  
 BID OPENING DATE: \_\_\_\_\_  
 BID OPENING TIME: \_\_\_\_\_  
 FAX NUMBER: (304) 558-3970

In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal plus 1 \_\_\_\_\_ convenience copies of each to the Purchasing Division at the address shown above. Additionally, the Vendor should identify the bid type as either a technical or cost proposal on the face of each bid envelope submitted in response to a request for proposal as follows:

BID TYPE: ☐ Technical  
☐ Cost

7. **BID OPENING:** Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when time stamped by the official Purchasing Division time clock.

Bid Opening Date and Time: July 22, 2014 at 1:30 PM, EST

Bid Opening Location: Department of Administration, Purchasing Division  
 2019 Washington Street East  
 Charleston, WV 25305-0130

8. **ADDENDUM ACKNOWLEDGEMENT:** Changes or revisions to this Solicitation will be made by an official written addendum issued by the Purchasing Division. Vendor should acknowledge receipt of all addenda issued with this Solicitation by completing an Addendum Acknowledgment Form, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.
9. **BID FORMATTING:** Vendor should type or electronically enter the information onto its bid to prevent errors in the evaluation. Failure to type or electronically enter the information may result in bid disqualification.



**GENERAL TERMS AND CONDITIONS:**

1. **CONTRACTUAL AGREEMENT:** Issuance of a Purchase Order signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.
2. **DEFINITIONS:** As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.
  - 2.1 **"Agency" or "Agencies"** means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.
  - 2.2 **"Contract"** means the binding agreement that is entered into between the State and the Vendor to provide the goods and services requested in the Solicitation.
  - 2.3 **"Director"** means the Director of the West Virginia Department of Administration, Purchasing Division.
  - 2.4 **"Purchasing Division"** means the West Virginia Department of Administration, Purchasing Division.
  - 2.5 **"Purchase Order"** means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the successful bidder and Contract holder.
  - 2.6 **"Solicitation"** means the official solicitation published by the Purchasing Division and identified by number on the first page thereof.
  - 2.7 **"State"** means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.
  - 2.8 **"Vendor" or "Vendors"** means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. **CONTRACT TERM; RENEWAL; EXTENSION:** The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

☐ **Term Contract**

**Initial Contract Term:** This Contract becomes effective on \_\_\_\_\_  
and extends for a period of \_\_\_\_\_ year(s).

**Renewal Term:** This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Renewal of this Contract is limited to \_\_\_\_\_ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed \_\_\_\_\_ months in total. Automatic renewal of this Contract is prohibited. Notwithstanding the foregoing, Purchasing Division approval is not required on agency delegated or exempt purchases. Attorney General approval may be required for vendor terms and conditions.

**Release Order Limitations:** In the event that this contract permits release orders, a release order may only be issued during the time this Contract is in effect. Any release order issued within one year of the expiration of this Contract shall be effective for one year from the date the release order is issued. No release order may be extended beyond one year after this Contract has expired.

☐ **Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within \_\_\_\_\_ days.

☒ **One Time Purchase:** The term of this Contract shall run from the issuance of the Purchase Order until all of the goods contracted for have been delivered, but in no event shall this Contract extend for more than one fiscal year.

☐ **Other:** See attached.

4. **NOTICE TO PROCEED:** Vendor shall begin performance of this Contract immediately upon receiving notice to proceed unless otherwise instructed by the Agency. Unless otherwise specified, the fully executed Purchase Order will be considered notice to proceed
5. **QUANTITIES:** The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

☐ **Open End Contract:** Quantities listed in this Solicitation are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

- ☐ **Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.
- ☐ **Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.
- ☒ **One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.
6. **PRICING:** The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification.
7. **EMERGENCY PURCHASES:** The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.
8. **REQUIRED DOCUMENTS:** All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.
- ☐ **BID BOND:** All Vendors shall furnish a bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.
- ☐ **PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of . The performance bond must be issued and received by the Purchasing Division prior to Contract award. On construction contracts, the performance bond must be 100% of the Contract value.
- ☐ **LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be issued and delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a

performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable.

☐ **MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

☐ **WORKERS' COMPENSATION INSURANCE:** The apparent successful Vendor shall have appropriate workers' compensation insurance and shall provide proof thereof upon request.

☐ **INSURANCE:** The apparent successful Vendor shall furnish proof of the following insurance prior to Contract award and shall list the state as a certificate holder:

☐ **Commercial General Liability Insurance:**  
or more.

☐ **Builders Risk Insurance:** builders risk – all risk insurance in an amount equal to 100% of the amount of the Contract.

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The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether or not that insurance requirement is listed above.

☐ **LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section entitled Licensing, of the General Terms and Conditions, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits prior to Contract award, in a form acceptable to the Purchasing Division.

☐
☐
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☐

The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications prior to Contract award regardless of whether or not that requirement is listed above.

9. **LITIGATION BOND:** The Director reserves the right to require any Vendor that files a protest of an award to submit a litigation bond in the amount equal to one percent of the lowest bid submitted or \$5,000, whichever is greater. The entire amount of the bond shall be forfeited if the hearing officer determines that the protest was filed for frivolous or improper purpose, including but not limited to, the purpose of harassing, causing unnecessary delay, or needless expense for the Agency. All litigation bonds shall be made payable to the Purchasing Division. In lieu of a bond, the protester may submit a cashier's check or certified check payable to the Purchasing Division. Cashier's or certified checks will be deposited with and held by the State Treasurer's office. If it is determined that the protest has not been filed for frivolous or improper purpose, the bond or deposit shall be returned in its entirety.
10. **ALTERNATES:** Any model, brand, or specification listed herein establishes the acceptable level of quality only and is not intended to reflect a preference for, or in any way favor, a particular brand or vendor. Vendors may bid alternates to a listed model or brand provided that the alternate is at least equal to the model or brand and complies with the required specifications. The equality of any alternate being bid shall be determined by the State at its sole discretion. Any Vendor bidding an alternate model or brand should clearly identify the alternate items in its bid and should include manufacturer's specifications, industry literature, and/or any other relevant documentation demonstrating the equality of the alternate items. Failure to provide information for alternate items may be grounds for rejection of a Vendor's bid.
11. **EXCEPTIONS AND CLARIFICATIONS:** The Solicitation contains the specifications that shall form the basis of a contractual agreement. Vendor shall clearly mark any exceptions, clarifications, or other proposed modifications in its bid. Exceptions to, clarifications of, or modifications of a requirement or term and condition of the Solicitation may result in bid disqualification.
12. **LIQUIDATED DAMAGES:** Vendor shall pay liquidated damages in the amount  
for  
  
This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy.
13. **ACCEPTANCE/REJECTION:** The State may accept or reject any bid in whole, or in part. Vendor's signature on its bid signifies acceptance of the terms and conditions contained in the Solicitation and Vendor agrees to be bound by the terms of the Contract, as reflected in the Purchase Order, upon receipt.
14. **REGISTRATION:** Prior to Contract award, the apparent successful Vendor must be properly registered with the West Virginia Purchasing Division and must have paid the \$125 fee if applicable.
15. **COMMUNICATION LIMITATIONS:** In accordance with West Virginia Code of State Rules §148-1-6.6, communication with the State of West Virginia or any of its employees regarding this Solicitation



during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited without prior Purchasing Division approval. Purchasing Division approval for such communication is implied for all agency delegated and exempt purchases.

- 16. FUNDING:** This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available.
- 17. PAYMENT:** Payment in advance is prohibited under this Contract. Payment may only be made after the delivery and acceptance of goods or services. The Vendor shall submit invoices, in arrears, to the Agency at the address on the face of the purchase order labeled "Invoice To."
- 18. UNIT PRICE:** Unit prices shall prevail in cases of a discrepancy in the Vendor's bid.
- 19. DELIVERY:** All quotations are considered freight on board destination ("F.O.B. destination") unless alternate shipping terms are clearly identified in the bid. Vendor's listing of shipping terms that contradict the shipping terms expressly required by this Solicitation may result in bid disqualification.
- 20. INTEREST:** Interest attributable to late payment will only be permitted if authorized by the West Virginia Code. Presently, there is no provision in the law for interest on late payments.
- 21. PREFERENCE:** Vendor Preference may only be granted upon written request and only in accordance with the West Virginia Code § 5A-3-37 and the West Virginia Code of State Rules. A Resident Vendor Certification form has been attached hereto to allow Vendor to apply for the preference. Vendor's failure to submit the Resident Vendor Certification form with its bid will result in denial of Vendor Preference. Vendor Preference does not apply to construction projects.
- 22. SMALL, WOMEN-OWNED, OR MINORITY-OWNED BUSINESSES:** For any solicitations publicly advertised for bid on or after July 1, 2012, in accordance with West Virginia Code §5A-3-37(a)(7) and W. Va. CSR § 148-22-9, any non-resident vendor certified as a small, women-owned, or minority-owned business under W. Va. CSR § 148-22-9 shall be provided the same preference made available to any resident vendor. Any non-resident small, women-owned, or minority-owned business must identify itself as such in writing, must submit that writing to the Purchasing Division with its bid, and must be properly certified under W. Va. CSR § 148-22-9 prior to submission of its bid to receive the preferences made available to resident vendors. Preference for a non-resident small, women-owned, or minority owned business shall be applied in accordance with W. Va. CSR § 148-22-9.
- 23. TAXES:** The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
- 24. CANCELLATION:** The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract.

The Purchasing Division Director may cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-7.16.2.

25. **WAIVER OF MINOR IRREGULARITIES:** The Director reserves the right to waive minor irregularities in bids or specifications in accordance with West Virginia Code of State Rules § 148-1-4.6.
26. **TIME:** Time is of the essence with regard to all matters of time and performance in this Contract.
27. **APPLICABLE LAW:** This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code or West Virginia Code of State Rules is void and of no effect.
28. **COMPLIANCE:** Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendors acknowledge that they have reviewed, understand, and will comply with all applicable law.
29. **PREVAILING WAGE:** On any contract for the construction of a public improvement, Vendor and any subcontractors utilized by Vendor shall pay a rate or rates of wages which shall not be less than the fair minimum rate or rates of wages (prevailing wage), as established by the West Virginia Division of Labor under West Virginia Code §§ 21-5A-1 et seq. and available at <http://www.sos.wv.gov/administrative-law/wagerates/Pages/default.aspx>. Vendor shall be responsible for ensuring compliance with prevailing wage requirements and determining when prevailing wage requirements are applicable. The required contract provisions contained in West Virginia Code of State Rules § 42-7-3 are specifically incorporated herein by reference.
30. **ARBITRATION:** Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.
31. **MODIFICATIONS:** This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary, no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). **No Change shall be implemented by the Vendor until such time as the Vendor receives an approved written change order from the Purchasing Division.**
32. **WAIVER:** The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.
33. **SUBSEQUENT FORMS:** The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or

maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

34. **ASSIGNMENT:** Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments. Notwithstanding the foregoing, Purchasing Division approval may or may not be required on certain agency delegated or exempt purchases.
35. **WARRANTY:** The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.
36. **STATE EMPLOYEES:** State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.
37. **BANKRUPTCY:** In the event the Vendor files for bankruptcy protection, the State of West Virginia may deem this Contract null and void, and terminate this Contract without notice.
38. **[RESERVED]**
39. **CONFIDENTIALITY:** The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.
40. **DISCLOSURE:** Vendor's response to the Solicitation and the resulting Contract are considered public documents and will be disclosed to the public in accordance with the laws, rules, and policies governing the West Virginia Purchasing Division. Those laws include, but are not limited to, the Freedom of Information Act found in West Virginia Code § 29B-1-1 et seq.

If a Vendor considers any part of its bid to be exempt from public disclosure, Vendor must so indicate by specifically identifying the exempt information, identifying the exemption that applies, providing a detailed justification for the exemption, segregating the exempt information from the general bid information, and submitting the exempt information as part of its bid but in a segregated and clearly identifiable format. Failure to comply with the foregoing requirements will result in public disclosure of the Vendor's bid without further notice. A Vendor's act of marking all or nearly all of its bid as exempt is not sufficient to avoid disclosure and WILL NOT BE HONORED. Vendor's act of marking a bid or any part thereof as "confidential" or "proprietary" is not sufficient to avoid disclosure and WILL NOT BE HONORED. In addition, a legend or other statement indicating that all or substantially all of the bid is exempt from disclosure is not sufficient to avoid disclosure and WILL NOT BE HONORED.



Vendor will be required to defend any claimed exemption for nondisclosure in the event of an administrative or judicial challenge to the State's nondisclosure. Vendor must indemnify the State for any costs incurred related to any exemptions claimed by Vendor. Any questions regarding the applicability of the various public records laws should be addressed to your own legal counsel prior to bid submission.

- 41. LICENSING:** In accordance with West Virginia Code of State Rules §148-1-6.1.7, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.
- 42. ANTITRUST:** In submitting a bid to, signing a contract with, or accepting a Purchase Order from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.
- 43. VENDOR CERTIFICATIONS:** By signing its bid or entering into this Contract, Vendor certifies (1) that its bid was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid for the same material, supplies, equipment or services; (2) that its bid is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this RFQ in its entirety; understands the requirements, terms and conditions, and other information contained herein. Vendor's signature on its bid also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency.

The individual signing this bid on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

- 44. PURCHASING CARD ACCEPTANCE:** The State of West Virginia currently utilizes a Purchasing Card program, administered under contract by a banking institution, to process payment for goods and services. The Vendor must accept the State of West Virginia's Purchasing Card for payment of all orders under this Contract unless the box below is checked.



Vendor is not required to accept the State of West Virginia's Purchasing Card as payment for all goods and services.

- 45. VENDOR RELATIONSHIP:** The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, *etc.* and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing. Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.
- 46. INDEMNIFICATION:** The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.
- 47. PURCHASING AFFIDAVIT:** In accordance with West Virginia Code § 5A-3-10a, all Vendors are required to sign, notarize, and submit the Purchasing Affidavit stating that neither the Vendor nor a related party owe a debt to the State in excess of \$1,000. The affidavit must be submitted prior to award, but should be submitted with the Vendor's bid. A copy of the Purchasing Affidavit is included herewith.
- 48. ADDITIONAL AGENCY AND LOCAL GOVERNMENT USE:** This Contract may be utilized by and extends to other agencies, spending units, and political subdivisions of the State of West Virginia; county, municipal, and other local government bodies; and school districts ("Other Government Entities"). This Contract shall be extended to the aforementioned Other Government Entities on the same prices, terms, and conditions as those offered and agreed to in this Contract. If the Vendor does not wish to extend the prices, terms, and conditions of its bid and subsequent contract to the Other Government Entities, the Vendor must clearly indicate such refusal in its bid. A refusal to extend this Contract to the Other Government Entities shall not impact or influence the award of this Contract in any manner.
- 49. CONFLICT OF INTEREST:** Vendor, its officers or members or employees, shall not presently have or acquire any interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder.

Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

**50. REPORTS:** Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

- ☐ Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.
- ☐ Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at [purchasing.requisitions@wv.gov](mailto:purchasing.requisitions@wv.gov).

**51. BACKGROUND CHECK:** In accordance with W. Va. Code § 15-2D-3, the Director of the Division of Protective Services shall require any service provider whose employees are regularly employed on the grounds or in the buildings of the Capitol complex or who have access to sensitive or critical information to submit to a fingerprint-based state and federal background inquiry through the state repository. The service provider is responsible for any costs associated with the fingerprint-based state and federal background inquiry.

After the contract for such services has been approved, but before any such employees are permitted to be on the grounds or in the buildings of the Capitol complex or have access to sensitive or critical information, the service provider shall submit a list of all persons who will be physically present and working at the Capitol complex to the Director of the Division of Protective Services for purposes of verifying compliance with this provision.

The State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check.

Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

**52. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS:** Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.



- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process.

The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:

- a. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
- b. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

**53. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL:** In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products.

This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.

All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference.

If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

**SPECIFICATIONS**

**1. PURPOSE AND SCOPE:**

The West Virginia Purchasing Division is soliciting bids on behalf of the Division of Public Transit to establish a contract for the one time purchase of two 176-186" wheelbase cutaway buses with air conditioning and three wheelchair securements and lift to provide specialized transportation services in an urban and suburban-rural environment, including hilly terrain and a severe operating climate. It is the intent of this Request for Quotation (RFQ) to require the Vendor to deliver a complete new vehicles in the configuration identified, ready for operation.

**2. DEFINITIONS AND ABBREVIATIONS:**

**DEFINITIONS:** The terms listed below shall have the meanings assigned to them below.

- a. **"Contract Item" or "Contract Items"** means the buses with the configurations identified herein.
- b. **"Pricing Pages"** means the schedule of prices, estimated order quantity, and totals attached hereto as Exhibit A and used to evaluate the RFQ.
- c. **"RFQ"** means the official RFQ published by the Purchasing Division and identified as PTR14048.
- d. **Curb weight:** Weight of the vehicle including maximum fuel, oil, and coolant and all equipment required for the operation as required by this specification without passengers or driver.
- e. **Gross Load:** One hundred and fifty (150) pounds for every design passenger seating position and for the driver and three hundred (300) pounds for every wheelchair station.
- f. **GVW Gross Vehicle Weight:** Curb weight plus gross load.
- g. **Fireproof:** Materials that will not burn or melt at temperature less than 2000 degrees Fahrenheit.
- h. **Fire Resistant:** Materials that have a flame-spread index less than 150 as measured in a radiant panel flame test per ASTM 162-75.

**i. ABBREVIATIONS:** The following abbreviations are used.

ASTM: American Society for Testing and Materials

SAE: Society of Automotive Engineers

FMVSS: Federal Motor Vehicle Safety Standards

EPA: Environmental Protection Agency

DMV: Division of Motor Vehicles, State of West Virginia

OEM: Original Equipment Manufacturer

FTA: Federal Transit Administration

ADA: Americans with Disabilities Act of 1990 including applicable federal regulations issued pursuant to the Act in effect on the date of bid award.

DBA: the decibel scale A weight to measure upper middle frequencies over time that can impact hearing loss

RPM: Revolutions per minute

**3. GENERAL REQUIREMENTS APPLICABLE TO ALL CONTRACT ITEMS:**

Vendor shall provide Agency with the Contract Items listed below on a one time basis. Contract Items must meet or exceed the mandatory requirements as shown below.

In all cases, materials shall be furnished as specified. Where brand names or specific items or processes are used in the specifications, consider the term "or equal" to follow. However, a request for approval for any proposed substitution or "approved equal" shall be included in writing under the terms stated in Section 3.31.

The Vendor may be required to supply the purchaser with performance data, samples, and special guarantees as a condition of acceptance of any proposed alternates.

**3.1 GENERAL CHARACTERISTICS:**

**TECHNICAL SPECIFICATIONS FOR 176-186" WHEELBASE TRANSIT VEHICLES**

Technical Specifications establishes requirements for a vehicle to provide specialized transportation services in an urban and suburban-rural environment, including hilly terrain and a severe winter operating climate.

The vehicles furnished per these specifications shall be of the following dimensions:

WHEELBASE	176" minimum
REAR AXLE	Dual Rear Wheel
GVWR	14,500 maximum
TIRE	225/75R16 minimum
LOAD RATING	E
WIDTH (MAXIMUM)	96"
OVERALL LENGTH	310" maximum
OVERALL HEIGHT (MAXIMUM)	120"
TURNING RADIUS (MAXIMUM)	32'
SEAT/ WHEELCHAIR CAPACITY	12+3 or 18 ambulatory passengers
PASSENGER HEAT	2 x 35,000 BTU with circulating pump
PASSENGER A/C	75,000 BTU separate from the dash- Requires dual compressors
ENGINE TYPE	Gas
ENGINE CAPACITY	6.8 L minimum
SPARE TIRE	Loose

BATTERY	Dual
FAST IDLE	Yes
CURBSIDE EMERGENCY WINDOWS	1 minimum
STREETSIDE EMERGENCY WINDOWS	2 minimum

**3.2 LEGAL REQUIREMENTS:**

The vehicle shall conform in all respects to the applicable Motor Vehicle Laws of the State of West Virginia, FMVSS, EPA, Federal and State Regulations in effect at the time of manufacture. All vehicle specifications must be in compliance with Americans with Disabilities Act (ADA) regulations at the time production of the vehicle commences.

**3.3 COMPONENTS, MATERIALS, WORKMANSHIP AND COMPLETENESS:**

All units or parts shall be manufacturer's best quality and shall conform in material, design or workmanship to the best practice known in the automotive industry. All parts shall be new and in no case will used, reconditioned or obsolete parts be accepted. The parts on all vehicles provided by the same manufacturer shall be interchangeable.

**3.4 MOTOR VEHICLE STANDARDS INCLUDING PROVISIONS PERTAINING TO SAFETY AND POLLUTION:**

The vendor must provide certification at the time of delivery that vehicles comply with all relevant federal and State of West Virginia standards.

**Motor Vehicle Safety:**

The motor vehicles furnished shall comply with applicable motor vehicle safety standards established by the U.S. Department of Transportation and the State of West Virginia.

**Exhaust Emissions Control Requirements:**

The vehicles shall comply with all federal and state requirements applicable to the year of manufacture.

**Noise Control:**

The exterior noise from the vehicle shall not exceed eighty-six (86) dba using the procedures set forth in the SAE Standard SAE J 366. Vendor shall supply report showing testing results of noise control.

The interior noise at a location two (2) feet from the rear window and four (4) feet from the floor shall not exceed 86 dba with the vehicle standing with the transmission in neutral and the engine operating a maximum rated RPM.

**Inspection Facilities:**

In order to comply with 3.40, a. Inspection Stations, the manufacturer shall provide on its premises a suitable hoist for a complete inspection of the underside of the vehicle. **A pit is not acceptable.** This includes, but is not limited to, wiring and hosing runs, structural integrity, through floor securements, OEM defects and completeness, and coverage of the undercoating.



**3.5 SERVICE LIFE:**

Bus shall have completed a 4 year STURAA Test. **It is mandatory that the vendor submit report with bid.**

**3.6 ENGINE AND RELATED COMPONENTS:**

Engine shall be minimum 305 hp, heavy duty gasoline powered. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

- a. The engine shall be furnished with an OEM large capacity full flow oil filter easily visible for checking and accessible for servicing and replacement without removal of any major component. A dry type air cleaner is required.
- b. The engine shall be installed so as to so as to produce a minimum of vibration. A firewall of sandwich construction shall separate the engine and passenger compartments, providing both thermal and acoustic insulation and sealing against intrusion of exhaust fumes into the vehicle. Non-combustible insulation shall be used.
- c. Two (2) ambulance style bilge cooling ports shall be installed on OEM hood to facilitate air exchange in the engine compartment.
- d. Exhaust System-The muffler shall be a low exterior noise type. The tail pipe must be extended approximately two (2) inches beyond the streetside of the vehicle. A minimum of two (2) heavy duty exhaust hangers is required from the rear axle to the rear extension of the vehicle. Hangers must be bolted to chassis or structure, NOT WELDED.
- e. Fuel System-A single fuel tank must have a capacity of at least 55 gallons and be located between the chassis rails behind the rear wheels.
- f. Cooling System-The cooling system shall have sufficient capacity to provide satisfactory cooling at 115 degrees Fahrenheit at sea level, and shall be equipped with an overflow tank such that coolant expelled is saved and restored to the cooling system. The cooling system shall be the OEM chassis supplier's heaviest duty system. **Vendor should submit product description, warranty information, and product literature with bid, but must submit within 48 hours of request.**
- g. High Idle System-A high-idle system, intended to maintain battery charging under heavy demand when the vehicle is stationary and the emergency brake is applied, must be provided on all vehicles.

The fast idle switch will automatically disengage when the vehicle is placed in forward or reverse gears. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

- h. Engine Oil Cooler-An OEM or other appropriate oil cooler must be provided. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

**3.7 TRANSMISSION AND RELATED COMPONENTS:**

- a. The transmission shall be automatic with a minimum of five (5) forward speeds. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- b. The transmission and drive train shall be heavy duty.
- c. Each section of the drive shaft shall be equipped with a guard to prevent the shaft from striking the passenger compartment floor or the ground in the event it should break.
- d. The transmission shall have the OEM's separate cooling system appropriate for the configuration of the vehicle. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

**3.8 BRAKES, STEERING, SUSPENSION, AND RELATED COMPONENTS**

**3.8.1 Brakes**

The vehicle shall be equipped with the most heavy duty brake configuration available on the OEM chassis. The system shall provide braking performance meeting all federal and state requirements for the GVWR being offered.

At a minimum, it shall consist of service brakes with power assisted dual hydraulic actuation. Anti-lock braking shall be provided to the maximum extent available from the OEM chassis supplier.

Emergency parking brakes shall be provided on the driveline or rear brakes.

**Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

**3.8.2 Steering**

- a. Steering shall be power assisted
- b. The steering mechanism shall be constructed so that the vehicle can be easily steered by its operator and shall be such as to make the wheel free from road shock and vibration. The steering mechanism shall be self centering, requiring little or no effort from the operator to bring the vehicle back to a straight ahead position after turning. Steering wheel ring shall be no greater than **20 inches** in diameter and the wheel ring shall be of plastic or synthetic resin construction molded over metal.
- c. With the vehicle stationary at GVW on dry, level pavement and the engine idling, steering effort shall be minimal. This effort shall remain approximately constant from just off straight-ahead to approaching full lock.
- d. The steering geometry shall allow the turning radius required in 3.1 General Characteristics to be achieved in both directions.

- e. A tilt-wheel or adjustable steering column, if available, with cruise control is required.

3.8.3 Suspension-Suspension system shall be the highest rating available, such as the E-450 Super duty suspension system, or equal. Suspension systems shall provide the low, unsprung weight characteristics necessary for passenger comfort without sacrificing vehicle stability and shall provide heavy-duty shock absorbers. A front axle with independent suspension is preferred. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.** Vendor must perform a front end alignment after each vehicle is completely built. The vendor shall supply a camber and caster kit for each vehicle. **Vendor shall supply a statement of completion certifying that alignment was completed with warranty information.**

Bus must have MOR/RIDE Suspension System or Approved Equals. Rubber shear spring suspension that works in conjunction with the chassis steel leaf spring suspension to absorb road shock is required. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

3.8.4 Wheels and Tires

- a. Wheels. 16.0 (d) x 6.00" width or size compatible with the suspension and GVWR will be furnished. Each inner dual rear wheel shall come with an air valve extender. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- b. Tire Rating and Type. E rating truck and all weather radial type.
- c. Spare Wheel and Tire. Manufacturer shall provide a spare tire as standard equipment. The spare wheel and tire shall be sized per 4.4.1 and 4.4.2 and shall be shipped loose in the body of the vehicle appropriately secured so as not to damage the vehicle interior during shipment. Spare is to be the exact same OEM tire and rim as provided on the vehicle. Spare tire shall be painted as per 4.4.4, and it shall be inflated to the proper pressure with air, not nitrogen.
- d. Both inner and outer wheels shall be painted white to match the basic body color.

3.9 ELECTRICAL SYSTEM

The vehicles are to be supplied with a twelve (12) volt 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, flashers, air conditioning or heaters, and other accessories in constant operation. **Uniform As Built Schematics must be supplied and current with all vehicles in Word or Adobe reader format as well as three laminated 8 1/2" X 11" print copies. All wiring in all vehicles shall be as built, with all lighting to be LED with the exception of OEM chassis lighting. All wiring shall be loomed and held in place by insulated**

**clamps spaced every 12-24 inches on center.** Wiring shall be system, number or color, and function coded. All wiring will be 14 and 16 gauge where appropriate. All wiring shall have adequate electrical insulation and provide flexibility and resistance against solvents or abrasives in accordance with SAE standards. All exposed underbody connectors shall be weather proofed for protection. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

3.9.1 Alternator

OEM 225-amp alternator with a rectifier is required. Rectifier may be either integral or externally connected. **Bidder shall specify the nature of the rectifier and method of installation to avoid interference with other components and to assure proper charging of the alternator.** The voltage regulator shall be solid state.

The alternator shall be sized to provide a minimum of 90 percent of the continuous system draw at the engine manufacturer's recommended idle or 100 percent at automatic fast idle as specified in 3.1 (High Idle System). The alternator speed shall not exceed its recommended maximum or recommended high engine speed. The continuous system draw shall include all accessories in their "high" position, which could operate as the vehicle is in motion; i.e., excluding intermittently operating devices, such as turn signals, brake lights, or wheelchair lifts. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

3.9.2 Batteries

Two heavy-duty 12 volt batteries shall be provided with a minimum total capacity of 1400 CCA. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

Batteries shall be at an easily accessible location from the exterior of the vehicle. Any chassis OEM battery located under the hood shall remain there. The second battery is to be installed in a stainless steel battery box on a stainless steel slide-out tray located on the curb side of the bus. An access door must be provided in the skirt to access this battery box. The access door will be secured with two (2) quarter-turn latches.

3.9.3 Exterior lights

- a. All exterior lights to be single contact. Double contact may be used for tail, stop, and rear turn signals. Soundoff or Optronix brands or equal.
- b. OEM headlights or LED headlights sealed from moisture intrusion with high and low beams controlled by a column-mounted lever switch or by a foot switch mounted on the floor, which will be sealed from moisture, are required. Headlamp units shall be of the latest type and low beam minimum rating of 600-hour life. **Headlights shall be wired for daytime running.**
- c. Directional signals independent of the brake lights shall be provided and shall have amber lens in front and rear. Rear stoplights are to be independent of directional and hazard warning signals.

- d. LED rear stop and taillights shall be provided. Rear stoplights are to be independent of directional and hazard warning lights. **Provide detailed information on the installed LED lights with the bid submittal. Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- e. In addition to the normal stop lights provided on the base, a safety amber LED alert traffic sign is also required. It will illuminate when brake is pressed to alert rear oncoming traffic that vehicle is stopping. The sign will display CAUTION STOPPING only. Transpec Model # 7500 or approved equal. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.** The light shall be mounted on the centerline of the vehicle above the rear door and shall be wired to work in conjunction with the normal stoplights. This extra light shall be treated as a brake light.
- f. Red rear reflectors and two reflectors on each side of the vehicle, amber front and red rear, shall be provided.
- g. LED side directional signals wired to operate with front directional signals shall be provided.
- h. A circuit shall be provided for the directional signals which, when on, will cause them to function as traffic hazard warning signals.
- i. A rear license plate light shall be provided that meet Federal and State of West Virginia regulations.
- j. Two (2) LED back-up lights shall be provided that meet Federal and State of West Virginia regulations.
- k. A wheelchair lift light shall be located inside the vehicle to illuminate the lift. Two (2) additional lights will be mounted on the skirt below the lift to illuminate the surrounding area of the street. The lights shall function automatically when the lift door is opened, even when the running lights switch is in the off position, to provide illumination in accordance with FTA/ADA requirements. Installation of the lights shall not intrude upon the headroom or effective width of the wheelchair access area. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- l. LED Marker, Cluster, and all other lights as required by State and Federal regulations shall be provided. Lights shall operate with or without the engine running.



- m. The rear hazard flashers shall be activated when the lift operating circuits are energized.
- n. All lights are to be LED lights with the exception of the OEM lights.

3.9.4 Interior Lighting

- a. The interior shall be illuminated by LED fixtures, Gustafson, Optronix or equal. Interior shall be illuminated to provide a minimum of twelve (12) foot candles of illumination measured at thirty-six (36) inches above the floor over each two-passenger cross seat. **Vendor should submit detailed information on the installed interior lights, product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- b. The stepwell area shall be illuminated to FTA/ADA standards by door activated LED stepwell lights including the immediate area outside. These lights shall be shielded to protect passengers' eyes from glare. Light fixtures shall be totally enclosed, splash-proof, designed to provide ease of cleaning as well as lamp housing removal and shall not be easily removed by passengers. Stepwell lights shall be protected from damage caused by passengers kicking the lenses or fixtures and shall not be a hazard to passengers. Stepwell lights shall be activated by operating the passenger door even with the running lights switch in the OFF position.
- c. Red LED location indicator lights shall be provided above all emergency exits.

3.9.5 WIRING

- a. All wiring shall have adequate electrical insulation to provide flexibility and resistance against solvents or abrasives in accordance with SAE standards.
- b. Wiring shall be correctly grouped, coded, and installed such that systems checks, maintenance, and replacement can be affected with minimum effort.
- c. Wiring shall be adequately supported and where penetration of structural members occurs, grommets, or similar devices shall be used to prevent chafing.
- d. Where applicable, all circuits shall be suppressed with capacitors to eliminate interference with radio and TV transmissions and reception.

3.9.6 AUDIBLE ALARMS, BACK UP CAMERAS, AND SECURITY CAMERAS

- a. A twelve (12) volt horn shall be situated beneath the front end of the vehicle, protected from wheel wash.  
  
A rear alarm shall be provided that is clearly audible outside of the vehicle while the transmission is in reverse. **Vendor should submit product description, warranty information, and product literature with bid, but must submit within this information 48 hours of request.**

- b. An audible "door ajar" alarm shall be provided for the rear emergency door.
- c. A back up camera system will be installed on each bus so that the area around the back of the bus clearly displayed on a monitor that is mounted in an easily visible area for the driver. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- d. Provide and install REI Bus watch system, Angel Trax, or approved equal, with DBW 4-320g hard drives (if required for the system), under seat mounted security box with keys, and six (6) color dome cameras per bus. **The Division of Public Transit will select the locations of cameras, pre production.**

### 3.9.7 ELECTRICAL FUSES/ CIRCUIT BREAKERS

All fuses and/or circuit breakers other than the OEM's chassis shall be placed in a waterproof electrical distribution panel located above the driver's door, accessible from inside the bus. Fuses may be automotive mini blade type fuses that plug into a modular distribution block, such as Cooper Bussman Series 3000 VEC, RCT fuse box, or approved equal. The distribution panel access door shall be side or bottom-hinged and contain a readily visible circuit diagram of the electrical services.

## 3.10 HEATING, AIR CONDITIONING, AND VENTILATION

### 3.10.1 Heating System

- a. The heating system shall provide heat for both the driver and passengers as well as defrost air for the windshield. The system shall provide for a comfortable temperature for passengers throughout the vehicle by providing heat from both a dash and passenger compartment heater. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- b. An electrical stepwell system heater shall be provided to eliminate ice and snow build-up. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- c. A passenger compartment heater shall be provided towards the back of the vehicle to ensure consistent heat distribution throughout the vehicle. A booster pump is required. Gate valves shall be provided to allow the rear heater system to be shut off. Heater fans shall have high and low speeds. Heater Capacity 2 x 35,000 BTU minimum. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

### 3.10.2 Air Conditioning System

The OEM chassis supplier's heaviest duty air-conditioning system shall be supplied plus such other components as necessary to ensure effective, uniform cooling throughout the vehicle. Trans Air, ACC, Burgess, ACT, MCC, or approved equals are recommended. **Vendor should submit product description, warranty information, and product**

literature with bid, but must submit this information within 48 hours of request. At a minimum, the system should consist of:

- a. The OEM's engine driven compressor with a minimum displacement of 9 cubic inches. Provide a secondary engine-driven compressor of sufficient size to circulate the rear A/C per specifications. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- b. The OEM's front mounted condenser shall not be removed. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- c. A three fan (minimum fan size-10"—equivalent to previously available Carrier CM3) skirt mounted condenser shall be shielded from road spray. TransAir SMC3L style air conditioner is preferred.
- d. A ceiling mounted evaporator at the rear of the passenger compartment with a minimum capacity of 65,000 BTUs and separate fan speed control. TransAir TA73 style evaporator is preferred. The A/C system shall utilize environmentally friendly R-134a refrigerant. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- e. Refrigerant hoses shall be double braided (type C, class II or type E Class I) and the refrigerant hoses and fittings must be SAE specification J2064 compliant. All A/C hoses, heater hoses and wiring shall be properly protected. The A/C systems will include, as standard, ATCO Air-O-crimp, Goodyear, Aeroquip EZ-clip, Flex-clip, or approved equal connectors and hoses. Beadlock fittings and rubber barrier hoses are not acceptable. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

### 3.11 ROOF HATCH

Vehicles shall be equipped with one five (5)-way, 23" x 23" minimum vent/escape hatch, Transpec Model 1975 or 1122, or approved equal Roof hatch must meet or exceed all federal regulations, which are listed under Standard No.217; Bus Emergency exits and window retention and release S5.2.3.2 #4b found at <http://www.ecfr.gov/cgi-bin/text-idx?c=ecfr&SID=82ce6b16820356ebdf0d7eb23acbe89c&rgn=div8&view=text&node=49:6.1.2.3.37.2.7.53&idno=49>

**Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

### 3.12 INSTRUMENTS AND CONTROLS

As a minimum, the following instruments are to be provided:

- Speedometer with recording odometer;
- Ampmeter and voltmeter;



- Oil pressure gauge;
- Fuel tank level gauge;
- Engine temperature gauge;
- Parking brake indicator;
- Head light high-beam indicator;
- Directional signal and flasher action light;
- Power port for cellular phone.

All instruments are to be grouped on a single panel in full view of the driver with no instruments obstructed by controls, trim panels, or other appurtenances and arranged in a consistent and uniform manner.

#### 3.12.1 Controls

At least the following controls, in addition to the normal steering, braking, and transmission functions, are to be provided:

- column mounted turn signal lever
- emergency flasher control facing driver and clearly visible
- master exterior light switch and auxiliary switches, if necessary, for any clearance or marker lights
- switches and controls for passenger compartment heaters and air-conditioners
- three speed wiper control with high, low, and intermittent speeds (the wiper control may be panel or column mounted)
- passenger compartment lights.

All controls are to be within driver's arm reach (maximum 28" from driver) with seat belt fastened. All switches are to be mounted in convenient groupings in a panel near the driver.

**The Division of Public Transit must approve location of all controls post award, pre-production.**

#### Circulation Fan

A two-speed heavy duty commercial vehicle circulation fan shall be provided in the driver's area for increased circulation. The fan shall be a minimum of 6" in diameter with at least a three-position control switch. **Location will be approved by the West Virginia Division of Public Transit post award, pre-production.**

### 3.13 BODY

#### 3.13.1 General:

Body shall be steel framed with a minimum 18-gauge steel and be built as an integral welded unit mounted on a chassis and adequately reinforced at all joints where stress concentration may occur. Side walls, rear wall, roof, and floor must be welded together; joining by other means is not acceptable. **Vendor should submit details of body construction including materials, methods of joining and assembling components or sub-assemblies and method of attachment of the body to the chassis with bid, but**

**must submit this information within 48 hours of request.** Honeycomb construction is not acceptable.

Chassis extensions to support the body shall be in accordance with OEM's recommended practices and painted to match the original. All welds and cuts shall be properly dressed and deburred to present a professional finish.

Roof structure to include two roll bars fabricated from steel tubing incorporated into roof structure to provide additional strength.

- a. Federal and state requirements, including FMVSS #220 Rollover Protection, are required to be met. The side and end forming shall be so designed and constructed that they will carry their proportion of the stresses imposed and absorb excessive impacts with as little damage as is practical. Adequate reinforcement shall be installed around all doors in order to transfer the stresses around these openings. All posts in body, side, and roof sections shall be of square section tubing or equal construction securely fastened to the under frame structure so that the entire frame shall act as one unit without any movement at the joinings. The end posts shall be designed to standards, as required for Federal and State standards for shear, static load on roof, and side panel impact protection.
- b. Before assembling, all non-anodized painted metal body parts (both aluminum and steel) shall be given a thorough multiple stage anti-corrosion primer treatment and zinc chromate prime paint or equal shall be applied to both aluminum and steel.
- c. Nuts, bolts, clips, washers, clamps, and like-parts shall be galvanized, zinc-coated, or given a coat of primer as additional protection against corrosion. **All exterior screws and bolts shall be stainless steel.**
- d. Interior surfaces of any exterior painted body panels and posts which are covered by trim materials shall be given a coat of primer as additional protection against deterioration.
- e. All exterior joints and seams shall be protected by the application of caulking compound of Sikaflex UV resistant sealant with an etching primer, or approved equals.
- f. All interior and external panels shall be bonded to the body frame without the use of mechanical fasteners, such as screws or rivets. Two sided tape is unacceptable. Exterior panels shall be applied in a single piece (no seams). The only seams allowed will be where the sidewalls, rear wall, and roof are joined together. All fasteners shall be installed to resist vibratory loosening. Exterior seams shall be constructed in such a manner that they shed water; the roof panel shall be lapped over the side panel, and the side panel shall overlap the skirt, 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 compound, such as Sikaflex, butyl rubber type, or approved equal.

- g. All vehicles purchased under this contract shall, during the course of manufacture and prior to acceptance, shall be subjected to a water test to determine body leaks. This test shall consist of a series of nozzles, which are strategically located around the perimeter of the vehicle as to spray water over the entire surface of the vehicle. The nozzles shall eject a volume of water no less than twenty-two pounds per square inch measured at the nozzle tip. Body shall be thoroughly water tested and made tight to prevent leakage. **The bidder shall provide the procuring agency with details of its water testing procedure with the bid.**
- h. All exposed surfaces and edges shall be smooth, free from burrs and other projections, and shall be neatly finished.
- i. The passenger entrance frame and wheelchair door frame shall be aluminum or stainless steel construction only.
- j. The front cap shall have an extra framed support from the side of the passenger entrance door to the floor.

3.13.2 Body Panels

- a. Roof shall be one piece metal, fiberglass, or approved equal panel with one and one-half (1-1/2") minimum thickness rigid foam insulation. Side panels above the floor line shall be fiberglass reinforced plastic (FRP), steel, aluminum, or approved equals on the exterior, of one piece construction, firmly attached to prevent flexing of the panels to the frame structure to present a smooth pleasant appearance and to be free from drumming or oil canning. Vacuum lamination is the preferred method. **Application of exterior sidewalls with two sided tape is not acceptable. Please provide documentation that a one piece roof will be provided.**
- b. Side panels (skirt) below the floor line shall be detachable aluminum and separate from the above panels for ease of the maintenance and repair. Aluminum under floor shall be provided for the whole of the passenger compartment.
- c. Stepwells shall be of one-piece stainless steel or aluminum construction welded into the floor and side structures. The tops and bottoms of the steps and risers will be coated with spray-on undercoating product, such as Cora Shield, Z Tech, Nanochem, or Z Guard, or equal.
- d. Wheel housings shall be steel and should provide clearance for wheels equipped with chains to move freely and to allow a wheel to be removed with the vehicle jacked on the rear axle. Rear fenders should be flexible.
- f. A firewall shall separate the engine and passenger compartments, providing both thermal and acoustic insulation, sealing against intrusion of exhaust gases into the vehicle and

providing sufficient sound attenuation to maintain a maximum 86db level in the passenger compartment. The firewall shall be constructed of flame resistant materials.

### 3.13.3 ROOF GUTTERS

Water deflecting roof gutters shall be provided over ambulatory and wheelchair accessible doors, over the passenger windows, and over the driver's windshield where necessary.

### 3.13.4 DOORS- ACCESS AND ENTRANCE/ EXIT

- a. Access doors shall be provided where necessary to service transmission, engine, radiator, batteries, air-conditioning, and radio system components, if any.

- b. Ambulatory Passenger Entrance/Exit

Dimensions shall be:

Overall Clear Height	maximum 80 inches
Overall Clear Width	minimum 30 inches
Tread Depth	minimum 11 inches
Riser Height	maximum 9 inches
Distance Ground to Step	maximum 12 inches

- c. When the entrance is closed, the lower step shall not protrude beyond the door line more than two (2) inches
- d. Brushes and other appropriate seals shall be fitted to the bottom of the door panels to assist in sealing and snow clearance.
- e. Electrically operated door to be provided. Door control shall be within twenty-eight (28") inches of the driver. The door frame shall be welded at all seams to ensure that the door frame will not separate. An additional post shall run from the side of the passenger entrance door to the cap to provide an extra support for the cap. **Vendor should submit product description, and product details with bid, but must submit this information within 48 hours of request.**
- f. The passenger entrance door frame shall be aluminum or stainless steel construction only.
- g. Passenger door shall be key or keypad operated from the outside and by a rocker or toggle switch from the driver's console. Door pivot pins shall incorporate permanently lubricated bearings. Door must have an emergency release in case electric is not properly working.
- h. Driver's door shall have an aluminum or diamond plate running board for easy access for the driver. The Division of Public Transit requests 11.5" wide maximum and within 13" of the ground.
- i. **NON-AMBULATORY PASSENGER ENTRANCE/ EXIT**--A driver operated, two-piece wheelchair entrance door with large upper viewing window, capable of being locked, shall be located at the rear of the curb side and behind the rear wheels. Doors shall be fitted with

heavy-duty, full-length piano hinges. These doors shall not sag when open, and if there is a possibility of sagging, additional preventative gussets need to be inserted. The handle shall be placed on the interior of the door so that the door may be opened from the inside of the vehicle in case of emergency, even with the ramp in the raised and folded position. A minimum clear vertical distance of 68 inches is required through the doorway and lift installation. Overall door width of no less than 52 inches is required. The door width must provide operating clearance for a lift meeting the requirements of Section 3.14.

- j. A warning light shall be provided at the driver's station to indicate when the door is open for wheelchair operation and a buzzer to indicate when it is ajar with the vehicle in motion.
- k. The striker for the signal must not have contact with flexible section of the door. It must either make contact with the top mullion or have a two (2") inch by two (2") inch striker plate to prevent false alarms as, over time, the pin creates slack in the foam-filled door material. This requirement can also be met by using a magnetic proximity switch for the "door ajar" buzzer and interlock system.
- l. A heavy duty pneumatic arm shall firmly secure the door in the open position and shall be riveted to both the body and door or double nut and lock nut used.
- m. **EMERGENCY EXIT DOOR**--A full height rear emergency exit door with a minimum clear opening of thirty-six (36") inches by fifty-seven (57") inches minimum that fully complies with ADA standards shall be provided on all floor plans. Large upper and lower windows shall be provided in the door to maximize rearward visibility. Emergency exits with full length stainless steel piano style hinge will be required on all floor plans. A camover or spring-style holdback to be used to secure door in open position. Pneumatic shock is unacceptable for rear door.

### 3.13.5 FLOOR CONSTRUCTION AND COVERING

- a. Floors shall be constructed of a minimum of five-eighths inch (5/8"), five ply, exterior BC grade (or better) water-resistant plywood without visible cracks or holes firmly secured to the floor structure by the use of adhesive and mechanical fasteners with no intrusions into the bus body compartment. Floor shall be laid in such a manner as to be free from squeaking.

All flooring shall be Rubber Solutions, RCA Transit Flooring, Altro, Gerflor, or approved equal. Floor covering to be blue and shall contrast with the seat cover colors. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

- b. All flooring shall be covered with one-eighth (1/8") inch minimum smooth, slip resistant floor covering of a lighter color than the floor under the seat for riders with visual impairments. All step edges to be marked in accordance with FTA/ ADA requirements. Each step edge shall have a step tread utilizing one-piece Talon Tread or Gerflor step bus step edge flooring or an approved equal that features yellow contrast nosing.



- c. Floor covering shall be laid without gaps or openings. Joints shall be filled with color matching material to be tight against any influx or seepage of water and all edges shall be sealed.
- d. Floor covering under seat shall be one-eighth (1/8") inch minimum smooth, slip resistant floor covering of a contrasting color from the aisle, to be selected by the Division post-award, pre-production.
- e. Aisle front entrance and securement areas shall be covered with one-eighth (1/8") inch minimum smooth, slip resistant floor covering.
- f. A standee line is required in the same required yellow as the step nosing.

#### 3.13.6 INSULATION

Insulation of rigid, closed cell polystyrene or bagged fiberglass shall be provided for the full depth of the structure between all interior and exterior panels and any cavity between the subfloor and floor constructions.

**Bidders shall specify the type of insulation along with evidence that it is flame retardant and non-toxic. Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

#### 3.13.7 BUMPERS, FENDERS, AND MOLDING

##### a. Bumpers

The front bumper shall be the OEM chassis supplier's.

The rear bumper shall be unpressurized, self-contained, self-restoring, energy absorbing bumpers of the HELP system, such as the ROMEO RIM, SMI, or approved equal.

**Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

##### b. Fenders and Molding

Flexible fenders shall be provided for the rear wheels; **the Division of Public Transit shall approve materials and configuration, pre-production.** Rubber or polymer rub rail molding shall run the exterior length of the passenger compartment at floor level. The molding shall be secured in a manner other than snapped onto a metal rail. The ends of the molding shall be finished and caulked if necessary to prevent sharp edges at the angle cuts.

#### 3.14 WHEELCHAIR LIFT

A Braun Millennium 2 series, Ricon, or approved equal lift with a lifting capacity of 800 lbs shall be provided that fully meets or exceeds ADA requirements. Platform width will be thirty-seven (37") inches minimum and length to be fifty-one (51") inch minimum. **Vendor should submit product description, warranty information, and product literature with bid, but must**

**submit this information within 48 hours of request. Lift must comply with new and or current Federal Regulations.**

**Lift Installation**

- a. The lift shall be installed by bolting through the floor into structural steel that is an integral part of the body underfloor structure.
- b. The power unit shall be placed at the forward side of the lift for rear mounted lifts and on the rear side for forward mounted lifts and be readily accessible for service. In the event of power failure, the deployed lift platform shall be able to be lowered manually with passengers and raised without passengers.
- c. System control valve shall be solenoid controlled and shall be accessibly mounted for easy maintenance. All lift components shall either be inside the vehicle or enclosed and protected from water wash.
- d. Electrical control switches shall be completely weather proof and labeled as to function. All switches shall be of the momentary type.
- e. The lift installation shall provide a hand-held switch for remote operation of the lift in addition to or in place of the regular door-mounted electrical lift controls. The lift control cable shall have a protective steel wire cover from control to base of lift, if available.
- f. A caution sign shall be prominently displayed in full view of persons standing at curbside of the vehicle as a warning to stand clear for lift operations.
- g. An interlock system, such as Intermotive Gateway ILIS or equal, that features a manual "high idle on" switch, shall be provided which renders the lift inoperative unless the transmission shift lever is in the "Park" position and the emergency brake is applied. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- h. Activating the lift circuitry switch will cause the rear hazard lights to flash.
- i. The lift should feature a belt connected to the handrails that will protect the passenger on the wheelchair lift from falling from the outboard edge of the lift.

**3.15 SEATING AND SECUREMENT**

A minimum seating capacity as outlined in the general characteristics is required using forward-facing flip seats where necessary in their bids. Seating diagrams shall be provided with bid submittal.

**Passenger Seats**

- a. Seats shall be Freedman, American Seating, or an approved equal with an under seat lap belt and contoured configuration. Seats shall be spring base with a minimum of 5 inches of foam padding. Upholstery shall be 3.5 vinyl-fabric hybrid, such as Mor-Care from Freedman or an

approved equal, with ABS Knee-Saver back. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

- b. Retractable seatbelts shall be provided for each seat and must be attached to the seat frames. Two (2) seat belt extensions per bus must be provided. **Vendor should submit product description, warranty information, product literature and FMVSS 210 Report Certification with bid, but must submit this information within 48 hours of request.**
- c. A grab rail shall be provided on all forward facing seatbacks.
- d. Seats shall use a single T pedestal leg with black painted finish and side rail for mounting.
- e. At least 2 seats shall be equipped with a Freedman Featherweight CRS-225 child safety latch for securement of children's car seats, or an approved equal. If the designated seat is at a wheel well, it can only be on the wall seat.
- f. One double Integrated Child Restraint Seat (ICS), capable of securing a child between the heights of 33" (inches) and 49" (inches) with weight between 20 pounds and 60 pounds, will be added. Instructions for the securement shall be printed on the seat and shall be easy to understand. **Vendor should submit product description, warranty information, and product literature with bid, but must submit within 48 hours of request.**
- g. Standard seats shall conform to the following dimensions:

Width per passenger	17.5 inches minimum
Height of seat cushion	18-20 inches above floor
Depth of seat	17 inches maximum
Height of seat back	22 1/2" maximum (except high back on rearmost seats)
Hip-to-Knee room:	27 inches minimum
Aisle width	16 inches minimum

- h. Seats and seating shall comply with the following FMVSS Standards:

Standard Number 207	Seating Systems
Standard Number 208	Occupant Crash Protection
Standard Number 209 and 210	Seat Belt Assemblies and Anchorage

- i. Aisle Width--Seat shall be mounted flush (within 1 inch) against the side wall of the vehicle to allow for a minimum aisle width of 16 inches.
- j. **Driver's Seat:** The driver's seat shall be power high-back bucket seat with commercial grade cloth material that matches the color of the passenger seats. Grade 4 cloth minimum. Driver's seat shall have a folding armrest, a headrest, six way adjustment, and lumbar support as a minimum. **Vendor should submit product description, warranty information, and product literature with bid, but must submit within 48 hours of request.** Seats shall have FMVSS certified retractable seatbelts appropriate for the seat and FMVSS compliant. Seats shall have a minimum of three (3) inches fore and aft adjustment and from minimum 15 to maximum 30 degrees recline with positive latching. Seat installation shall allow for

unimpeded movement over the whole seat positioning range as well as the ability to enter and exit the seat to the right side, into the bus.

### 3.16 MOBILITY AID SECUREMENT

Each wheelchair will be equipped with an ADA compliant, fully automatic retractable restraint system that has self-tensioning, self-locking tie down belts that are interchangeable and that feature quick-release S-hooks, such as the Lok-It from American Seating, the Sure-Lok Titan Retractor System, Q'Straint, Secura, or an approved equal. The positions shall be located a minimum of six (6") inches from one another and not share tie down tracking. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

Medium-Duty Series L Track with flanges, mounting holes, and clear, anodized finish to be used, like FE-748-100-PD4C track with end caps, or an approved equal. The seams between the flooring and the track need to be treated to ensure that no moisture can get to the track to cause track deterioration. Track and securement system need to comply with manufacturer's recommendations about regarding using the same manufacturer's track and securement systems.

A convenient, secure, and rattle free installation shall be provided. **Proposed installation location will be approved by the Division of Public Transit post award, pre production. Bidder should supply full details of the proposed securement system with bid submittal, but must submit this information within 48 hours of request.**

Vendor will include four (4)-sixteen inch (16") quick straps or approved equal for each securement location.

A storage pouch capable of holding the wheelchair retractors will be installed adjacent to the securement locations for storage of associated belts and accessories, if needed.

- The wheelchair retractors shall be fully automatic, auto-locking, and self-tensioning.
- The retractors shall remove any slack in the webbing after they are secured to the wheelchair.
- The retractors are self-retracting; therefore, no belts are left on the floor, keeping them cleaner and longer lasting.
- The retractor shall have a "LOCKED" indicator tag and shall only be visible when the retractor is in the locked mode, assuring that the retractor is not in the release mode when properly secured to the wheelchair.
- The retractors shall be heavy duty with heat treated structural components and plated for superior corrosion resistance.
- The retractors shall have a chrome plated metal cover for long lasting protection.
- The retractors shall have blue webbing and the occupant restraints shall be of a contrasting color for easy identification in the field.
- The retractors shall be designed to be low-profile to fit under most wheelchair footrests.

- The retractors shall be equipped with anchoring points for the attachment of the occupant restraint lap belts.
- The retractors shall be used in a variety of shoulder/lap belt combinations.
- The retractors shall have manual knobs for additional tightening, if needed.
- The retractor operator shall be able to secure a wheelchair with one hand in as little as 10 seconds.
- The retractor shall have a minimum warranty period of three (3) years and shall have a manufacturing label to identify the part number and date of manufacture for easy traceability.
- The retractors, occupant restraints, and anchoring equipment shall be installed in accordance with the manufacture's installation instructions and recommendations.
- The retractors and occupant restraints shall meet or exceed, but not be limited to, the following specifications: 30 mph/20g Impact Test Criteria per SAE J2249; ISO 10542; Canadian Z605; National Standards for School Buses; ADA n(49 CFR Part 38); FMVSS 209, 222, and 302.

### **3.17 PASSENGER ASSISTS**

Passenger assists shall be constructed of seamless stainless steel tubular stock having an outside diameter of between 1.25 inches and 1.5 inches and shall be provided as specified below on all.

Assists shall be securely installed to prevent the passengers from moving or twisting the assists when grasped.

- Assists shall be installed as inclined hand rails approximately 30 inches above the step treads on both sides of the passenger step well.
- Passenger assists shall be provided as floor-to-ceiling vertical stanchions at the top of the steps at both sides of the step well and shall be fully padded above seat level.
- Passenger assists shall be provided as overhead assists on both sides of and parallel to the center aisle for the full-length of the passenger compartment except where they will substantially interfere with wheelchair operations.
- Passenger assists shall be provided as vertical stanchions, padded above seat level, elsewhere within the vehicle, including the driver's barrier (see 3.18) and behind the rearmost passenger seats and in front of the lift.
- All stanchions shall have rubber fittings at top and bottom where the tube inserts into the anchor to provide more stability and vibratory wear resistance.

### **3.18 MODESTY PANELS**

Sturdy modesty panels constructed of padded material complementing the interior trim shall be provided ahead of the forward row of seats on both sides of the aisle.



A full-height 1/4" LEXAN or plexiglass translucent barrier shall be provided behind the driver's seat and above the modesty panel. **Modesty panel installation location must be approved by the Division of Public Transit post award, prior to production.**

**3.19 GLAZING**

All glazing material shall meet federal safety requirements.

- a. Windshield--Windshield shall be OEM tinted.
- b. Windshield wipers shall be heavy-duty, three-speed automatic (intermittent, low, and high) wipers that are controlled by the driver.
- c. Passenger Windows--Windows shall be a top mounted T slider with at least one curbside and two street side points of hinged emergency egress. Emergency exits are to be denoted with fade and peel resistant decals. Cling and peel decals are not acceptable. Size shall be thirty-six (36") inches wide by thirty-six (36") inches high, with one-eighth (1/8") inch AS-3 tempered glass tinted for 31 percent transmittance, or as submitted and approved.
- d. Passenger Door --Door panels shall have full height AS-2 tempered glass windows for maximum visibility of the curb.
- e. Transition Windows--The transition panel between the passenger door and the front fender shall have a window of approximately 34 inches by 10 inches minimum dimensions to enhance the view of the curb area.
- f. Lift Door Windows--Lift doors shall incorporate a single large window in each door panel consistent with the other passenger windows. Door shall be two-piece as is specified in section 3.13.4 i.
- g. Rear Windows--In addition to the windows in the rear emergency door, windows shall be provided on both sides of the door to increase rearward visibility.

**3.20 MIRRORS AND SUN VISOR**

- a. Exterior: Two (2) sixty-one square inch minimum, fully adjustable outside rear-view mirrors shall be provided: one at the driver's door and one at the right front body corner, such as the Rosco Eurostyle model number 715H and 717H, or approved equal. Mirror arms shall be constructed on anodized aluminum, stainless steel, powder coated steel arm, or another non-corrosive, approved equal material. Mirror arm may be chrome plated. Convex "blind spot" mirrors shall also be provided on each side of the vehicle, with a minimum five inch (5") diameter. The convex mirror shall be built into the same head as the flat mirror and shall not be of the stick on type. Both mirrors shall be reinforced mounted breakaway mirrors. Bolts shall be of a superior grade to ensure the bolts from breaking or snapping. Mirrors shall be heated and remote controlled, such as those produced by Rosco, Lucerix, or approved equal, and shall be heated and remote controlled. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

- b. Interior: A six inch (6") by sixteen inch (16") minimum rectangular rear view mirror shall be installed that provides a complete view of the interior to the driver.
- c. Rear View Mirror--The OEM's rear view mirror shall be retained.
- d. Sun visor--A driver's sun visor shall be provided that is able to pivot to cover the driver's door window.
- e. Fresnel Lens--Each vehicle shall be equipped with a flat, wide-range, Fresnel lens, approximately eleven inches (11") by fourteen inches (14"), ready for installation/placement by the purchaser upon delivery of the vehicle.

**3.21 AM/FM CD CLOCK RADIO**

Vehicle shall be equipped with the OEM's deluxe digital radio stereo with CD and a 4 speaker system for the passengers. A deluxe aftermarket radio manufactured by Panasonic with CD feature or a Sony AM/FM/CD/Clock with 4 speakers is an approved equal.

At least one (1) additional speaker shall be installed in the driver's door or driver's side of the dashboard. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**

**3.22 STORAGE COMPARTMENT**

A storage compartment capable of accommodating jumper cables, seatbelt cutter, and other items shall be provided in the front header above the driver. The compartment will be provided with a latch or other mechanism to hold it in the closed position.

Bottom hinged compartment doors will be provided with restraint straps to limit its movement to 90 degrees. Top hinged doors will be provided with a latching mechanism to hold door in upright position when open. **The Division of Public transit must approve location and size post award, pre production.**

Tuffy storage boxes are accepted as an approved equal when space is available. **The Division of Public transit must approve location and size post award, pre production.**

**3.23 EMERGENCY/ SAFETY EQUIPMENT**

First Aid Kit: First aid kit shall comply with Federal Motor Vehicle Carrier Safety Regulations Part 393(h), Section 393, Part 96 (c) with a minimum of 15 units. First aid kits shall be mounted so as to provide for easy access in the event of an accident, away from foot traffic.

Kits shall be housed in a plastic or metal box, which contains at least the following items:

Instant Cold Pack (1)	Alcohol Prep Pads (20)
Certacaine Burn Spray (at least 1 oz.)	Ammonia Inhalants (10)
1" x 3" Adhesive Bandages (25)	2" x 6 yards Gauze Bandage
¾" x 3" Adhesive Bandages (10)	½" x 2.5 yards Adhesive Tape
Extra Large Adhesive Bandages (10)	Burn Ointment (1/8 oz.) (4)
3" x 3" Gauze pads (10)	Insect Sting Swabs (4)
Antiseptic Wipes (10)	PVP Iodine Swabs (4)

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Tweezers (1)  
Scissors

Safety Pins (5)

Lug Wrench of the appropriate size

Full size flashlight, ready for use.

Fire Extinguisher: A 5 lb. dry chemical fire extinguisher with a minimum of 20-A: 180-B:C rating shall be provided in vehicle and shall be mounted in an access compartment with a hinged door or on a vehicular-type, quick access bracket, away from foot traffic.

Reflectors: Three bi-directional emergency reflective triangles conforming to requirements of FMVSS No. 125, Section 571.125 shall be secured in the storage compartment of the vehicle.

Bloodborne Pathogen Protection Kit: A 10 unit minimum kit housed in a polypropylene or metal box and containing at least the following:

Gown/ Cap (1)

Goggles/ Eye Shield (1)

Mask (1)

Set of Gloves (3)

Infectious Liquid Control Powder (2 oz.)

Scraper (1)

Red Biohazard Bags with Ties (2)

Crepe Towels (2)

Antiseptic Towelettes (4)

Disinfectant Towelettes (4)

Mouth to Mouth Barrier (1)

2 wool blankets

Scoop Bag (3)

Web Cutter: A Sure-Lok premium #8705 or approved equal shall be secured in the storage compartment of the vehicle.

Two Mylar Blankets: Two (2) folded, sealed and stored silver 80-85" X 50-70" Mylar disposable rescue blankets by Certified Safety Manufacturing or an approved equal.

Two wool blankets: folded and secured in storage area.

Safety Vest: A highly-visible reflective safety vest to be worn by the driver in the event of an emergency that makes the driver visible to evacuating passengers and other motorists.

**The Division of Public Transit will designate the location of the emergency equipment.**

**3.24 UNDERCOATING, RUSTPROOFING, and MUDFLAPS**

- a. The vehicle shall be fully undercoated at the point of manufacture before delivery. Suggested applications are Symtech, Tectyl, Z Tech, BASF Degacoat 310, Pearl Guard or approved equal. **Vendor should submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request.**
- b. **Mudflaps, rubber or polyurethane, are required for all wheels.**

3.25 PAINTING, FINISHING, AND SIGNAGE

3.25.1 Interior

Ceiling and side panels shall match the interior color scheme and provide a hard, vandal resistant, flame retardant surface. **Available interior paint and trim schemes should be provided by the bidder for review and selection by the Division of Public Transit with the bid, but must submit within 48 hours of request.**

3.25.2 Exterior

a. Paint

Surfaces shall be properly cleaned and primed, as appropriate, for the paint used. All exterior surfaces shall be impervious to gasoline and commercial cleaning agents. The exterior of each coach shall be painted a basic white or light cream color as furnished by the chassis manufacturer. Fiberglass matching the color of the chassis is acceptable. Finished surfaces shall not be damaged by controlled applications of commonly used graffiti-removing chemicals. Touch up paint for each paint color used shall be provided.

b. Paint Scheme

Paint schemes and paint colors of the agencies receiving the vehicles will be furnished to the successful vendor.

Each agency will have a logo and striping scheme. Each agency's logo and striping scheme will have at least 2-3 colors, with the possibility of up to 5 colors. Where the logo covers the windows, perforated vinyl will be used.

Finished surfaces shall not be damaged by controlled applications of commonly used graffiti-removing chemicals.

c. Exterior Reflective Vinyl Tape

The vendor shall stripe the vehicle with exterior reflective white vinyl tape meeting DOT-C2 standards.

The vehicle shall be striped from the front of the bus to the rear with exterior white reflective vinyl tape at the top and bottom of all egress passenger windows, meeting DOT-C2 standards.

Because some of the existing logos are not on the rear of the bus, the white reflective vinyl must circle the rear emergency door window, if present, even when the color vinyl is used in the logo.

When reflective tape and paint are used for the same color on one vehicle, they must match (example: painting the bus skirt and using tape stripes for the side of the vehicle must match.) Vendor shall supply sample of exterior vinyl and chart to be used for logo and striping of vehicle. The vehicle shall be striped from front to back with exterior white reflective vinyl tape around the egress passenger windows, meeting DOT-C2 standards.

Finished surfaces shall not be damaged by controlled applications of commonly used graffiti-removing chemicals.

**The exact location and size will be agreed upon between the Division of Public Transit and the successful bidder.**

d. Paint

Surfaces shall be properly cleaned and primed, as appropriate, for the paint used. All exterior surfaces shall be impervious to gasoline and commercial cleaning agents. The exterior of each coach shall be painted a basic white or light cream color as furnished by the chassis manufacturer. Fiberglass matching the color of the chassis is acceptable. Finished surfaces shall not be damaged by controlled applications of commonly used graffiti-removing chemicals.

e. Paint Scheme

Paint schemes and paint colors of the agencies receiving the vehicles will be furnished to the successful Vendor. Matching touch up paint must be provided. Each agency will have a logo and striping scheme. Each agency's logo and striping scheme will have at least 3 colors, with the possibility of up to 5 colors. Where the logo covers the windows, perforated vinyl shall be used. Skirt painting must be included in the price.

3.25.3 Signage

The following internal and external signage is required. Lettering shall be Helvetica medium. Numbers to be four (4") inches unless otherwise specified for external signage. **Full details of size and location will be agreed upon between the Division of Public Transit and the successful bidder.**

a. Interior Decals:

- "No Smoking" sign shall be installed on the driver modesty panel
- "All passengers are required to wear seat belts when vehicle is in motion" sign shall be installed on the driver modesty panel.
- "Clearance \_\_feet\_\_inches" above driver's visor. (These specific figures on clearance will be determined by exact dimensions of vehicle.)
- A sign that displays  
"Emergency Telephone Numbers:  
Police:  
Ambulance:  
Fire:  
Transportation System:"
- "Emergency Equipment" sign shall be applied to the storage compartment above the driver's seat.
- "Priority Seating" decal shall be supplied for the first two, forward-facing fixed seats on both sides.



- Black lettering on yellow background "Watch Your Step" decals are to be affixed to entrance step risers.
- b. Exterior Decals:
  - "This vehicle makes frequent stops" decal applied to the backdoor
  - The International Wheelchair Accessibility symbol on the back of the bus.
  - "West Virginia Transit Assistance Program" paint scheme may be required on the exterior of the vehicle.
  - "CAUTION: LOADING AND UNLOADING PASSENGERS"
  - "THIS VEHICLE STOPS AT ALL RAILROAD CROSSINGS"
  - Black lettering on yellow background "Watch Your Step" decals are to be affixed to entrance step risers.
  - "Caution: stand clear for lift operations" on lift door

### 3.26 MANUALS

The contractor shall supply at the time of delivery of the vehicles, each Transit Authority the following Manuals:

- One (1) Chassis Operators Manuals per vehicle
- One (1) Bus Body Operators Manuals per vehicle
- One (1) Chassis Service Manuals per Transit Authority
- One (1) Chassis Parts Manuals per Transit Authority
- One (1) Vehicle Body Service Manual per Transit Authority
- One (1) Vehicle Body Parts Manual per Transit Authority
- One (1) wiring schematics of auxiliary circuits per Transit Authority
- One (1) copies of any other necessary print need for the maintenance of the vehicle.

### 3.27 MISCELLANEOUS REQUIREMENTS

The vendor or vendors shall furnish the following in addition to OR to supersede any previous requirements

#### **Fixed Route Package**

This package will also contain the Passenger Signaling System, PA system, farebox provision and strobe light as described below.

Front and side destination signs shall be provided. These signs shall be digital LED types. There shall be 2 brackets fastened to the frame of the vehicle on top of each destination sign to secure the sign and eliminate movement. **Vendor should submit product description, warranty information, and product literature with bid, but must submit within 48 hours of request.**

**Front and side digital destination** signs shall be provided. A lightweight all LED sign that provided a wide viewing angle for visibility at day or night with automatic brightness adjustment. Signs must be compatible with Windows 95/98/2000/XP or NT programming platform for easy transit system use. The signs must come with all accessories in order for the transit systems to change routes daily if needed, including an operator control unit (OCU) with PC card port for uploading data will be required for each bus along with a 12V DC converter. The destination signs must meet all ADA standards and must have a minimum operating life of 100,000 hours. The sign shall be fastened to the body of the vehicle on the top and bottom of each destination sign to secure and eliminate all movement. Brackets should be used in

addition to normal installation procedures to secure signs at the top and bottom. **The Division of Public Transit shall approve size and location of windows. Vendor should submit product description, warranty information, and product literature with bid, but must submit within 48 hours of request. Twinvision or approved equal shall be supplied.**

Dimensions: front- All LED 14 x 108 small pitch signs. Side – All LED 14 x 72. All programmable software and hardware is to be provided. Customer support shall be provided. **Control panel for the signs shall be located at a position convenient for driver operation and shall be approved by the Division of Public Transit.** Vendor shall submit details with bid.

**Passenger signaling system** with a pull cord stop request system and touch tape with buzzer at wheelchair positions shall be provided. **Vendor should submit product description, warranty information, and product literature with bid, but must submit within 48 hours of request.** The pull cord system shall be at height that individuals with disabilities can access the cord at seat level front to rear.

**Mobile PA system** with a handheld mic, one external speaker, and two internal speakers shall be provided. PA system may be integrated into the radio system if it can be done without excessive splicing; otherwise, the systems should be separate.

**Vendor should submit product description, warranty information, and product literature with bid, but must submit within 48 hours of request.**

**Farebox provisions** require that the forward stanchion at the entrance steps be prewired for farebox installation. Forward stanchion shall be prewired at the driver's shoulder for mounting of fare box with enough slack for the positioning of the fare box to be moved.

**A protected or guarded clear lens strobe light** shall be installed on top of the vehicle. **The Division of Public transit shall approve the type, the installation location, and the process. Vendor should submit product description, warranty information, and product literature with bid, but must submit within 48 hours of request.**

- Two (2) bulkhead mounted document protectors, eight and one-half inches by eleven inches (8.5" by 11") for display of route information or system announcements.
- Interior advertisement racks mounted on both sides of the inner roof liner
- Exceeds ADA wheelchair lift is required. This lift is generation 2 since the new FMVS standards went into effect. It has a platform dimension of thirty-seven inches wide by fifty-one inches long (37" x 51"). The previous lifts were 34" wide. Note: The capacity is still 800 pounds. ADA currently requires 600 pounds.
- The wheelchair door required to facilitate the installation of the required lift is fifty-two (52") inches.

#### 4.0 Requirements specific to these two vehicles

- 4.1 Vehicles identified in this RFQ must meet the following mandatory requirements in addition to the requirements listed in section 3.

The vehicles furnished per these specifications shall be of the following dimensions:

WHEELBASE  
REAR AXLE

176" minimum  
Dual Rear Wheel

GVWR	14,500 maximum
TIRE	225/75R16 minimum
LOAD RATING	E
WIDTH (MAXIMUM)	96"
OVERALL LENGTH	310" maximum
OVERALL HEIGHT (MAXIMUM)	120"
TURNING RADIUS (MAXIMUM)	32'
SEAT/ WHEELCHAIR CAPACITY	12+3 or 18 ambulatory passengers
PASSENGER HEAT	2 x 35,000 BTU with circulating pump
PASSENGER A/C	75,000 BTU separate from the dash- Requires dual compressors
ENGINE TYPE	Gas
ENGINE CAPACITY	6.8 L minimum
SPARE TIRE	Loose
BATTERY	Dual
FAST IDLE	Yes
CURBSIDE EMERGENCY WINDOWS	1 minimum
STREETSIDE EMERGENCY WINDOWS	2 minimum

#### 5.1 REQUESTS FOR APPROVED EQUALS OR CLARIFICATIONS

A Vendor may submit requests for "approved equals" or clarifications on items that are included within this bid document and specification package. All such submissions must be in writing and must be fully supported with technical data, test results, or other pertinent information, as evidence that the substitute offered is equal to or better than that required herein. All requests for "approved equals" or clarifications shall be received by the Division of Public Transit at least twenty-eight (28) calendar days prior to the bid due date. Requests received twenty-seven (27) or less days prior to the bid due date shall not be considered.

The Division of Public Transit shall review requests for approved equals or clarifications and shall issue a written response no later than fourteen (14) days prior to the time for receipt of bids. All potential Vendors who have received a copy of these contract documents and specifications shall be forwarded a copy of the written response at the same time as the response is sent to the requesting party.

#### 5.2 SUMMARY OF ITEMS TO BE PROVIDED UPON DELIVERY

The following items must be furnished by the successful Vendor upon delivery of the vehicle:

- a. All warranty verification vouchers, certificates or coupons.
- b. Successful Vendor shall furnish each transit system: two (2) complete parts books and two (2) copies of maintenance manuals for each model year vehicle, including wiring schematics of auxiliary circuits, and all other necessary prints for the maintenance of the vehicle and (1) complete set of OEM Operations manual per transit system. All other orders, to other than transit systems, the successful Vendor shall supply (1) one copy of each mentioned per vehicle.

- c. Drawings showing wiring schematics of auxiliary circuits, which would not be included in the standard vehicle maintenance manual.
- d. Completely filled fuel tank or tanks.
- e. Protection to 20° F below zero with permanent type antifreeze.
- f. A vehicle(s) free of dealer signs and emblems.
- g. Assurance of compliance with manufacturer's pre-delivery service.
- h. A vehicle(s) which is clean, (If delivery of the vehicle occurs during the winter months of October through March, the vehicle shall be washed directly prior to delivery at Kanawha Valley Regional Transportation Authority to ensure that the vehicle is free of dirt and salt deposits) lubricated, serviced and ready for immediate service.
- i. Operation, maintenance and warranty information for any add on equipment will be provided upon delivery if available to the Vendor.
- j. Original vehicle chassis manufacturer's factory sticker itemizing equipment on the vehicle.
- k. A certified weight slip showing front and drive axle weights for the vehicle at its curb weight as defined in Technical Specifications.
- l. Vehicle shall comply with and conform to the State of West Virginia Motor Vehicle Inspection Law and shall have the current inspection sticker attached to the windshield.

### 5.3 TITLE

Adequate documents for securing the vehicle in the name of the State of West Virginia/Division of Public Transit shall be provided to the Division of Public Transit at least 15 calendar days prior to the delivery of each vehicle. The Vendor warrants that the title shall pass to the State of West Virginia/ Division of Public Transit free and clear of all liens, mortgages and encumbrances, financing statements, security agreements, claims and demands of any character.

According to WV State Code §SA-3-4(8), vendor agrees that liquidated damages shall be imposed at the rate of \$10 per calendar day for failure to provide the titling documentation at the time of vehicle delivery. This clause shall in no way be considered exclusive and shall not limit the State or agency's right to pursue any other additional remedy to which the State or agency may have legal cause for action including further damages against the vendor.

### 5.4 PRE-DELIVERY TESTS AND INSPECTIONS

The pre-delivery tests and inspections shall be performed at or near the Vendor's plant in accordance with the procedures outlined in 3.35 through 3.40, "Quality Assurance", and shall be witnessed by the Vendor's resident inspector and/or by a representative of the Division of Public Transit. The vehicles shall be tested and inspected to determine whether they comply with the technical specifications in general and in particular with the quality assurance provisions. When the vehicles pass these tests and inspections, the resident inspector shall authorize release of the vehicles. The Division of Public Transit is under no obligation to perform the pre-delivery tests

and inspections; however, this does not relieve the Vendor from the responsibility of adhering to these specifications.

**5.5 THE VENDOR'S IN-PLANT QUALITY ASSURANCE REQUIREMENTS: QUALITY ASSURANCE ORGANIZATION**

The Vendor shall establish and maintain an effective quality assurance organization. It shall be a specifically defined organization and should respond directly to the Vendor's management. The Vendor's complete quality assurance program for purchased components and in-plant inspection procedures shall be available for review by the Division of Public Transit prior to award.

**a. Control**

The quality assurance organization shall exercise quality control over all phases of production from initiation of design through manufacture and preparation for delivery. The organization shall also control the quality of supplied articles.

**b. Authority and Responsibility**

The quality assurance organization shall have the authority and responsibility for reliability, quality control, inspection planning, establishment of the quality control system, and acceptance/rejection of materials and manufactured articles in the production of the vehicles.

**5.6 QUALITY ASSURANCE ORGANIZATION FUNCTIONS**

The quality assurance organization shall include the following minimum functions.

**a. Work Instructions**

The quality assurance organization shall verify inspection operation instructions to ascertain that the manufactured product meets all prescribed requirements.

**b. Records Maintenance**

The quality assurance organization shall maintain and use records and data essential to the effective operation of its program. These records and data shall be available for review by the resident inspectors. Inspection and test records for this procurement shall be available for a minimum of one (1) year after inspections and test are completed.

**c. Corrective Actions**

The quality assurance organization shall detect and promptly assure correction of any condition that may result in the production of defective vehicles. These conditions may occur in designs, purchases, manufacture, tests, or operations that culminate in defective supplies, facilities, technical data, or standards.

**5.7 STANDARDS AND FACILITIES**

**a. Configuration Control**

The Vendor shall maintain drawings and other documentation that completely describe a quality vehicle that meets all of the special requirements of this procurement. The quality



assurance organization shall verify that each vehicle is manufactured in accordance with these controlled drawings and documentation.

**b. Measuring and Testing Facilities**

The Vendor shall provide and maintain the necessary gauges and other measuring and testing devices for use by the quality assurance organization to verify that the vehicles conform to all specification requirements. These devices shall be calibrated at established periods against certified measurement standards that have known valid relationships to national standards.

**c. Production Tooling as Media of Inspection**

When production jigs, fixtures, tooling master patterns, and other devices are used as media of inspection, they shall be proved for accuracy at formally established intervals and adjusted, replaced, or repaired as required to maintain quality.

**d. Equipment Use by Division of Public Transit's Inspector(s)**

The Vendor's gauges and other measuring and testing devices shall be made available for use by the Division of Public Transit's inspector(s) to verify that the vehicles conform to all specification requirements. If necessary, the Vendor's personnel shall be made available to operate the devices and to verify their condition and accuracy.

**5.8 CONTROL OF PURCHASES**

The Vendor shall maintain quality control of purchases.

**a. Supplier Control**

The Vendor shall require that each supplier maintains a quality control program for the services and supplies that it provides. The Vendor's quality assurance organization shall inspect and test materials provided by suppliers for conformance to specification requirements. Materials that have been inspected, tested, and approved shall be identified as acceptable to the point of use in the manufacturing or assembly processes. Controls shall be established to prevent inadvertent use of non-conforming materials.

**b. Purchasing Data**

The Vendor shall verify that all applicable specification requirements are properly included or referenced in purchases of articles to be used on vehicles.

**5.9 MANUFACTURING CONTROL**

The Vendor shall ensure that all basic production operations, as well as all other processing and fabricating, are performed under controlled conditions, establishment of these controlled conditions shall be based on the documented work instructions, adequate production equipment, and special working environments if necessary.

**a. Completed Items**

A system for final inspection and test of completed vehicles shall be provided by the quality assurance organization. It shall measure the overall quality of each completed vehicle.

**b. Non-conforming Materials**

The quality assurance organization shall monitor the Vendor's system for controlling non-conforming materials. The system shall include procedures for identification, segregation, and disposition.

**c. Statistical Techniques**

Statistical analysis, tests, and other quality control procedures may be used when appropriate in the quality assurance processes.

**d. Inspection Status**

A system shall be maintained by the quality assurance organization for identifying the inspection status of components and completed vehicles. Identification may include cards, tags, or other normal quality control devices.

**5.10 INSPECTION SYSTEM**

The quality assurance organization shall establish, maintain, and periodically audit a fully documented inspection system. The system shall prescribe inspection and test of materials, work in progress and completed articles. At a minimum, it shall include the following controls.

**a. Inspection Stations**

Inspection stations shall be at the best locations to provide for the work content and characteristics to be inspected. Stations shall provide the facilities and equipment to inspect structural, electrical, hydraulic, and other components and assemblies for compliance with the design requirements.

Stations shall also be at the best locations to inspect or test characteristics before they are concealed by subsequent fabrication or assembly operations. These locations shall minimally include, as practicable, underbody structure completion, body framing completion, body prior to paint preparation, water test before interior trim and insulation installation, engine installation completion, underbody dress-up and completion, vehicle prior to final paint touch up, vehicle prior to road test, and vehicle final road test completion.

**b. Inspection Personnel**

Sufficiently trained inspectors shall be used to ensure that all materials, components, and assemblies are inspected for conformance with the qualified vehicle design.

**c. Inspection Records**

Acceptance, rework, or rejection identification shall be attached to inspected articles. Articles that have been accepted as a result of approved materials review actions shall be

identified. Articles that have been reworked to specified drawing configurations shall not require special identification. Articles rejected as unsuitable or scrap shall be plainly marked and controlled to prevent installation on the vehicle. Articles that become obsolete as a result of engineering changes for other actions shall be controlled to prevent unauthorized assembly or installation. Unusable articles shall be isolated and then scrapped. Discrepancies noted by the Vendor or Division of Public Transit's inspector during assembly shall be entered by the inspection personnel on a record that accompanies the major component, subassembly, or vehicle from start of assembly through final inspection. Actions shall be taken to correct discrepancies or deficiencies in the manufacturing processes, procedures, or other conditions that cause articles to be in nonconformity with the requirements of the contract specifications. The inspection personnel shall verify the corrective actions and mark the discrepancy record. If discrepancies cannot be corrected by replacing the non-conforming materials, the Division of Public Transit shall approve the modification, repair, or method of correction to the extent that the contract specifications are affected.

**d. Quality Assurance Audits**

The quality assurance organization shall establish and maintain a quality control audit program. Records of this program shall be subject to review by the Division of Public Transit.

**e. Division of Public Transit's Inspector(s)**

The Division of Public Transit may be represented at the Vendor's plant by their inspectors, they shall monitor, in the Vendor's plant, the manufacture of vehicles built under this procurement. The Division of Public Transit's inspectors shall be authorized to release the vehicles for delivery. Upon request to the quality assurance supervisor, inspectors shall have access to the Vendor's quality assurance files related to this procurement. These files shall include drawings, material standards, parts lists, inspection processing and reports, and records of defects. The presence of these inspectors in the plant shall not relieve the Vendor of its responsibility to meet all of the requirements of this procurement.

The Division of Public Transit's inspectors shall not have the authority to stop the Vendor's production line until any apparent problem area of major significance that arises to warrant such actions is fully discussed with the Vendor's top management.

**5.11 SERVICE AND PARTS**

The Vendor shall state on **Bid Form #1** the representative(s) responsible for assisting the Recipient Agency(ies), as well as the location of the nearest distribution center(s) which shall furnish a complete supply of parts and components for the repair and maintenance of the vehicles to be supplied. **PTR14048 is not a parts contract.**

**5.11.1 Specified Parts and "Approved Equals"**

- a. All parts shall be new and in no case will used (except for testing), reconditioned, or obsolete parts be accepted. Vehicles shall have identical units, accessories, and construction.
- b. In all cases, materials shall be furnished as specified. Where brand names or specific items or processes are used in the specifications, consider the term "approved equal" to follow. However, a request for approval for any proposed substitution or "approved equal" shall be included in writing under the terms stated in Section 8.2 of Part I.

The Vendor may be required to supply the purchaser with performance data, samples, and special guarantees as a condition of acceptance of any proposed alternates.

- c. The Division of Public Transit shall have the power to reject any material furnished or work performed under the contract which does not conform to these specifications and contract.

**5.11.2 Materials and Workmanship**

- a. Vendor shall incorporate in the proposed vehicle(s) the latest technological achievements consistent to achieving maximum service life and superior attractiveness of appearance.
- b. Vehicle(s) shall be delivered in new, first-class condition, complete and ready for operation on the street and the Vendor shall assume all responsibility and liability incident to said delivery.
- c. All materials used in the construction of vehicle(s) and in all its parts and accessories shall conform to A.S.T.M., S.A.E., or similar associations published standards, and be of top quality.
- d. The vehicle(s) shall be built with suitable and easily accessible compartments provided for all apparatus, sound deadening insulation, wherever needed, and all operating devices so mounted as to reduce and keep all noise and vibration to an absolute minimum.
- e. Vendor shall assume responsibility for all material and accessories used in vehicle(s) and their proper installation and their warranty, whether the same is manufactured by the Vendor or purchased ready-made from a source outside the Vendor's company.

**5.11.3 Spare Parts**

The Vendor shall guarantee the availability of replacement parts for these vehicles for at least a seven (7) year period after the date of acceptance. Spare parts shall be

interchangeable with the original equipment and shall be manufactured in accordance with the quality assurance provisions of this contract.

**5.11.4 Engineers**

The Vendor shall, at its own expense, have a competent engineering representative(s) available on request to assist the Recipient Agency's (ies') staff in the solution of engineering or design problems within the scope of the specifications that may arise during the warranty period

**5.11.5 Documents**

The Vendor shall provide current maintenance manuals, current parts manuals and standard operator manuals, for each agency or authority, to the Division of Public Transit as part of this contract. The Vendor shall keep maintenance manuals available for a period of ten (10) years after the date of acceptance of the vehicles procured under this contract. The Vendor shall also keep parts books up-to-date for a period of ten (10) years. The supplied maintenance and operator's manuals shall incorporate all equipment ordered on the vehicles covered by this procurement.

**6.0 WARRANTY**

The Vendor has an obligation to ensure that the entire vehicle is covered by a warranty. The Vendor shall make every effort to assure that all obligations defined under all warranties applicable to the vehicle or any subpart of the vehicle are fulfilled.

**WARRANTY REQUIREMENTS**

Warranties in this document are in addition to any statutory remedies or warranties imposed on the Vendor. Consistent with this requirement the Vendor warrants and guarantees to the Division of Public Transit each complete vehicle, and specific subsystems and components as follows:

**6.1 Complete Vehicle**

The vehicle is warranted and guaranteed to be free from defects and related defects for three (3) years or 36,000 miles, whichever comes first, beginning on the first day after the date of final acceptance of each vehicle. During this warranty period, the vehicle shall maintain its structural and functional integrity. The warranty is based on regular operation of the vehicle under the operating conditions prevailing in the Recipient Agency's (ies') locale(s).

**Please include warranty on completed vehicle with bid.**

**6.2 Warranty of Basic Vehicle Structure**

The Vendor shall warranty the frame and suspension members for three (3) years or 36,000 miles, whichever comes first. This warranty shall not cover air bags, leveling valves, springs or other normal wearing parts. The Vendor is not liable for warranty if the Recipient Agency (ies) voids the warranty as outlined in Section 3.42.5 of this Part. If the frame or suspension fails or shows indication of imminent failure, the Recipient Agency (ies) will immediately notify the Vendor of said defect. Within ten (10) calendar days the Vendor will inform the Recipient Agency (ies) on how the Vendor will repair the vehicle. Repair of frame and suspension failures will be the responsibility of the Vendor. Within



fifteen (15) calendar days from notification of the defect the Vendor shall begin the repair of the frame and suspension defects. If the vehicle with the reported frame and suspension defect is out of revenue service for more than twenty (20) calendar days because of the reported defect, the Vendor will have to either provide a substitute vehicle of equal seating capacity with wheelchair lift (if applicable) of the same age or newer than the vehicle with the defect or directly reimburse the Recipient Agency (ies) the cost of leasing a substitute vehicle. The maximum daily reimbursement will be \$300. The Vendor will have to continue to provide a substitute vehicle or reimburse the Recipient Agency (ies) until the defect is completely repaired.

**6.3 Warranty Locations**

A description of how and by whom warranty service is to be provided to four (4) areas of West Virginia is to be included in the bid proposal. The information should cover both mechanical and body work. All bidders shall provide vendors who will do the warranty of both chassis and body, including bus body, air conditioning and wheelchair lifts. The four warranty service areas of West Virginia include: The Northern Panhandle, Eastern Panhandle, Central West Virginia and Southern West Virginia.

**Please include warranty on basic vehicle structure with bid.**

**6.4 Subsystems and Components**

The subsystems and components are warranted and guaranteed to be free from defects and related defects as follows:

ENGINE:	Three (3) years or 36,000 miles, whichever comes first.
TRANSMISSION:	Three (3) years or 36,000 miles, whichever comes first.
DRIVE AXLE:	Three (3) years or 36,000 miles, whichever comes first.
BRAKE SYSTEM:	Excluding friction material, three (3) years or 36,000 miles, whichever comes first.
BASIC BODY STRUCTURE/ INTEGRITY:	Three (3) years or 36,000 miles, whichever comes first.
AIR CONDITIONING SYSTEM:	Two (2) years or two (2) operating seasons, whichever is greater.
WHEELCHAIRLIFT SYSTEM:	Two (2) years.
ALL ADD ON COMPONENTS:	Two (2) years, unlimited miles.

**Please include warranty per specs on subsystems and components within 48 hours of request.**

**6.5 VOIDING OF WARRANTY**

The warranty shall not apply to any part or component of the vehicle that has been subject to misuse, negligence, accident, or that has been repaired or altered in any way so as to affect adversely its performance or reliability, except insofar as such repairs were in accordance with the Vendor's maintenance manuals and the workmanship was in accordance with recognized standards

of the industry. The warranty shall also be void if the Recipient Agency(ies) fails to conduct normal inspections and scheduled preventative maintenance procedures as recommended in the Vendor's maintenance manuals.

**6.6 EXCEPTIONS TO WARRANTY**

The warranty shall not apply to scheduled maintenance items, and items such as tires and tubes, nor to items furnished by the Recipient Agency(ies) such as radios, fareboxes and other auxiliary equipment, except insofar as such equipment may be damaged by the failure of a part or component for which the Vendor is responsible.

**6.7 DETECTION OF DEFECTS**

If the Recipient Agency detects a defect within the warranty periods defined in Section 6.4 of this Part, it shall promptly notify the Vendor's representative five (5) working days after receipt of notification, the Vendor's representative shall either agree that the defect is in fact covered by warranty, or reserve judgment until the subsystem or component is inspected by the Vendor's representative or is removed and examined at the Recipient Agency's(ies) property or at the Vendor's plant. At that time, the status of warranty coverage on the subsystem or component shall be mutually resolved between the Recipient Agency and the Vendor. Work necessary to effect the repairs defined in Section 6.10 of this Part shall commence within ten (10) working days after receipt of notification by the Vendor.

**6.8 SCOPE OF WARRANTY REPAIRS**

When warranty repairs are required, the Recipient Agency(ies) and the Vendor's representative shall agree within five (5) days after notification on the most appropriate course for the repairs and the exact scope of the repairs to be performed under the warranty. If no agreement is obtained within the five (5) day period, the Recipient Agency(ies) reserves the right to commence the repairs in accordance with Section 6.10.

**6.9 FLEET DEFECTS**

A fleet defect shall be defined as the failure of any identical items covered by the warranty and the specifications herein, and occurring in a twenty percent (20%) portion of the vehicles purchased under this contract.

The Vendor shall correct a fleet defect under the warranty provision. After correcting defect, the Vendor shall promptly undertake and complete a work program reasonably designed to prevent the occurrence of the same defect in all other vehicles purchased under this contract. The work program shall include inspection and/or correction of the potential or defective parts in all of the vehicles purchased under this contract. The warranty on items determined to be fleet defects shall be extended for the time and/or miles of the original warranty. This extended warranty shall begin on the date of the repair/ replacement for the corrected item.

**6.10 WARRANTY REPAIR PROCEDURES—the follow is a guide to warranty repair by the recipient agencies**

**6.11 Repair Performance**

At its option, the Division of Public Transit, or its designated representative, may require the Vendor, or its designated representative, to perform warranty covered repairs that are clearly

beyond the scope of Recipient Agency's(ies') capabilities. All warranty work done by Recipient Agency(ies) personnel will be reimbursed by the Vendor.

**6.12 Repairs by Vendor**

If the Recipient Agency(ies) requires the Vendor to perform warranty covered repairs, the Vendor's representative must begin the work necessary to make repairs, within ten (10) working days after receiving notification of a defect from the Recipient Agency(ies). The Recipient Agency(ies) shall make the vehicle available to complete repairs timely with the Vendor's repair schedule.

The Vendor will provide, at its own expense, all spare parts, tools and space required to complete repairs. At the Recipient Agency's(ies') option, the Vendor may be required to complete repairs. At Recipient Agency's(ies') option, the Vendor may be required to remove the vehicle from Recipient Agency's(ies') property while repairs are being affected. If the vehicle is removed from Recipient Agency's(ies') property, repair procedures must be diligently pursued by the Vendor's representative.

**6.13 Repairs by Recipient Agency(ies)**

**a. Parts Used**

If the Recipient Agency(ies) performs the warranty covered repairs, it shall correct or repair the defect and any related defects using Vendor specified spare parts available from its own stock or those supplied by the Vendor specifically for this repair. Monthly, or at a period to be mutually agreed upon, reports of all repairs covered by this warranty shall be submitted by the Recipient Agency(ies) to the Vendor for reimbursement or replacement of parts. The Vendor shall provide forms for these reports.

**b. Vendor Supplied Parts**

The Recipient Agency(ies) may request that the Vendor supply new parts for warranty covered repairs being performed by the Recipient Agency(ies). These parts shall be shipped prepaid to the Recipient Agency(ies) from any source selected by the Vendor within 10 (ten) working days of receipt of the request for said parts.

**c. Defective Components Return**

The Vendor may request that parts covered by the warranty be returned to the manufacturing plant. The total cost for this action shall be paid by the Vendor. Materials should be returned in accordance with Vendor's instructions.

**d. Reimbursement for Labor**

The Recipient Agency(ies) shall be reimbursed by the Vendor for labor. The amount shall be determined by multiplying the number of man-hours actually required to correct the defect by the current per hour wage rate, plus 53 percent fringe benefits, plus the cost of towing in the vehicle if such action was necessary and if the vehicle was in the normal service area.

These wage and fringe benefit rates shall not exceed the rates in effect in the Recipient Agency(ies) service garage at the time the defect correction is made.

**e. Reimbursement for Parts**

The Recipient Agency(ies) shall be reimbursed by the Vendor for defective parts and for parts that must be replaced to correct the defect. The reimbursement shall be at the invoice cost of the part(s) at the time of repair and shall include taxes where applicable and 10 percent handling costs.

**6.14 WARRANTY AFTER REPLACEMENT/REPAIRS**

If any component, unit, or subsystem is rebuilt or replaced by the Vendor or by the Recipient Agency's(ies) personnel, with the concurrence of the Vendor, the subsystem shall have the unexpired warranty period of the original subsystem.

**7.1 BID REQUIREMENTS**

**7.1.1** All bids must remain in effect until award.

**7.1.2** The bid should be submitted in a binder form with each section properly labeled with the required information attached to each section. Two (2) copies of bid in binder form should be sent to the purchasing division with (1) one clearly marked for the West Virginia Division of Public Transit.

**7.1.3 CONTRACT AWARD:** The Contract is intended to provide Agencies with a purchase price for the Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.

Vendor should complete the Pricing Pages by listing the unit price for this vehicle, multiplying the unit price by the quantity to arrive at an extended price, and then adding the extended prices to arrive at a total. The successful bidder will submit all mandatory information and be the low bid on the extended amounts of vehicles specified.

Vendor should complete the Pricing Pages in their entirety as failure to do so may result in Vendor's bid being disqualified.

Vendor should type or electronically enter the information into the Pricing Page to prevent errors in the evaluation. Vendor can request an electronic copy for bid purposes by sending an email request to the following address: [beth.a.collins@wv.gov](mailto:beth.a.collins@wv.gov)

**The bid should be submitted in a binder form with each section properly labeled with the required information attached to each section. Two (2) copies of bid in binder form should be sent to the purchasing division with (1) one clearly marked for the West Virginia Division of Public Transit.**

**7.2 Disadvantaged Business Enterprise**

All U. S. Department of Transportation, Federal Transit Administration (FTA) assisted contracts between FTA, the Division of Public Transit, and any Vendor shall include the following language:



**POLICY.**

It is the policy of the Department of Transportation that Disadvantaged Business Enterprises as defined in 49 CFR Part 26 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with federal funds under this agreement. Consequently, the DBE requirements of 49 CFR Part 26 apply to the agreement.

**DBE OBLIGATION**

The recipient or its Vendor agrees to ensure that Disadvantaged Business Enterprises as defined in 49 CFR Part 26 have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with federal funds provided under this agreement. In this regard, all recipients or Vendors shall take all necessary and reasonable steps in accordance with 49 CFR Part 26 to ensure that Disadvantaged Business Enterprises have the maximum opportunity to compete for and perform contracts. Recipients and their Vendors shall not discriminate on the basis of race, color, national origin, religion, sex, age or physical handicap in the award and performance of DOT assisted contracts.

- a. The manufacturer of transit vehicles shall certify that it has complied with the requirements of 49 CFR Part 26 (March 4, 1999), Section 26.49, "Transit Vehicle Manufacturers." This certification shall be submitted with responses to this solicitation on **Bid Form #3**.
- b. The Vendor shall make good faith efforts to replace a Disadvantaged Business Enterprise subcontractor, that is unable to perform, with another Disadvantaged Business Enterprise subcontractor.
- c. Where the Vendor is found to have failed to exert sufficient reasonable and good faith efforts to involve DBE's in the work provided, the Division of Public Transit may declare the Vendor non-compliant and in breach of contract.
- d. The Vendor will keep records and documents for a reasonable time following performance of this contract to indicate compliance with WV Department of Transportation, Division of Public Transit DBE Program. These records and documents will be made available at reasonable times and places for inspection by any authorized representative of the WV Department of Transportation, Division of Public Transit and will be submitted to the WV Department of Transportation, Division of Public Transit upon request.
- e. The Vendor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Vendor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT assisted contracts. Failure by the Vendor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the WV Department of Transportation, Division of Public Transit deems appropriate.

**7.3 Fly America**

The Vendor agrees to comply with 49 U.S.C. 40118 (the "Fly America" Act) in accordance with General Services Administration's regulations at 41 CFR Part 301-10, which provide that recipients and sub recipients of Federal funds and their vendors are required to use U.S. Flag air carriers for U.S. Government-financed international air travel and transportation of their personal effects or property, to



the extent such service is available, unless travel by foreign air carrier is a matter of necessity, as defined by the Fly America Act. The Vendor shall submit, if a foreign air carrier was used, an appropriate certification or memorandum adequately explaining why service by a U.S. Flag air carrier was not available or why it was necessary to use a foreign air carrier and shall, in any event, provide a certificate of compliance with the Fly America requirements. The Vendor agrees to include the requirements of this section in all subcontracts that may involve international air transportation.

**7.4 Prohibited Interest**

No employee, officer, board member, agent or their family members of the Division of Public Transit may participate in the selection, award, or administration of a Contract supported by Federal funds if a real or apparent conflict of interest is involved. Such a conflict could arise when any of the parties mentioned above have a financial or other interest in the Vendor selected for the Contract.

**7.5 Civil Rights Requirements**

In connection with the execution of this contract, the following requirements will apply:

(1) Nondiscrimination. In accordance with Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000d *et seq.*, 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, *et seq.*, and Federal transit law at 49 U.S.C. § 5332, as amended by MAP 21, the Vendor agrees that it will not discriminate against any employee or applicant for employment on the basis of race, color, national origin, religion, sex, disability or age. In addition, the Vendor agrees to comply with any other applicable Federal statutes that may be signed into law or regulations that may be promulgated.

(2) Equal Employment Opportunity. The following equal employment opportunity requirements apply to the underlying contract:

(a) Race, Color, National Origin, Religion, Sex, Disability or Age

In accordance with Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000e, and Federal transit laws at 49 U.S.C. § 5332, the Vendor 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 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 Vendor agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during their employment, without regard to their race, color, national origin, religion, sex, 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 Vendor agrees to comply with any implementing requirements FTA may issue.

- (b) Age. In accordance with Section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. §§ 621 - 634 and Federal transit law at 49 U.S.C. § 5332, the Vendor agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the Vendor agrees to comply with any implementing requirements FTA may issue.
  - (c) Disabilities. In accordance with Section 102 of the Americans With Disabilities Act, as amended, 42 U.S.C. §12112, the Vendor agrees that it will comply with the requirements of U.S. Equal Employment Opportunity Commission, "Regulations to Implement the Equal Employment Provisions of the Americans With Disabilities Act," 29 CFR, Part 1630, pertaining to employment of persons with disabilities. In addition, the Vendor agrees to comply with any implementing requirements FTA may issue.
- (3) The Vendor 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.

**7.6 Bus Testing**

The Vendor agrees to comply with 49 U.S.C. 5318, as amended by MAP-21, and FTA regulations, "Bus Testing," 49 CFR Part 665, to the extent these regulations are consistent with 49 U.S.C. 5318, 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 Division of Public Transit at a point in the procurement process specified by the Division of Public Transit which will be prior to the Division of Public Transit'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 Division of Public Transit prior to the Division'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.
- (5) Any bidder or offerer must submit to the Division of Public Transit FTA's Bus Testing Requirements Certification on **Bid Form #8**. Bids or offers that are not accompanied by

a completed certification must be rejected as non-responsive. **A copy of the bus testing report must be included with the bid.** This requirement does not apply to lower tier subcontractors.

**7.7 Buy America Certification**

Vendor agrees to comply with 49 U.S.C. 5323(j) and 49 CFR Part 661, which provide that Federal funds may not be obligated unless 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 CFR 661.7 and include, microcomputer equipment, software, and small purchases (currently less than \$100,000) made with capital, operating, or planning funds. Separate requirements for rolling stock are set out at 49 CFR 661.11. Rolling stock not subject to a general waiver must be manufactured in the United States and have a 60 percent domestic content.

A bidder or offerer must submit to the Division of Public Transit the appropriate Buy America certification on **Bid Form #4** with all bids on FTA-funded contracts, except those subject to a general waiver. Bids or offers that are not accompanied by a completed Buy America certification must be rejected as non-responsive. This requirement does not apply to lower tier subcontractors.

**Should the Vendor be declared responsive and low bid, pursuant to Pre-Award and Post Delivery Audit Requirements, the Division of Public Transit will require the Vendor to submit documentation (prior to any award) that lists:**

- (1) Component and sub-component parts of the rolling stock to be purchased identified by manufacturer of the parts, their country of origin and costs; and
- (2) 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 final assembly.
- (3) The Vendor shall submit one manufacturer's Federal Motor Vehicle Safety Standards (FMVSS) self certification sticker providing information that the vehicle quoted complies with relevant FMVSS, or Manufacturer's certified statement that the contracted vehicles will not be subject to FMVSS regulations.
- (4) Vendor shall submit evidence that it will be capable of meeting the bid specifications.

As required by the Post Delivery Audit Requirement, any successful vendor will be required to furnish the following prior to any completed vehicle being placed into service or before any payment can be made:

- (a) Actual component and sub-component parts of the rolling stock provided, identified by manufacturer of the parts, their country of origin and costs; and
- (b) Actual location of the final assembly point for the rolling stock provided, including a description of the activities that took place at the final assembly point and the actual cost of final assembly.

**7.8 CARGO PREFERENCE**

The Vendor agrees:

- a. To utilize 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 this contract, to the extent such vessels are available at fair and reasonable rates for United States--Flag commercial vessels;
- b. To furnish within twenty (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 paragraph above to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590 and to the Division of Public Transit (through the Vendor in the case of a subcontractor's bill of lading.)
- 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.

**7.9 FEDERAL REGULATION CHANGES**

Vendor shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Master Agreement (Form FTA MA(19) dated October 1, 2012) between the WV Department of Transportation, Division of Public Transit and FTA, as they may be amended or promulgated from time to time during the term of this Contract. Vendor's failure to so comply shall constitute a material breach of this contract.

**7.10 DEBARMENT AND SUSPENSION**

Vendor agrees to comply, and assures the compliance of any other participant at any tier of the project, with Executive Orders Nos. 12549 and 12689, "Debarment and Suspension," 31 U.S.C.

§ 6101 note, and U.S. DOT regulations, "Nonprocurement Suspension and Debarment," 2 CFR Part 1200, which adopts and supplements the provisions of U.S. Office of Management and Budget (U.S. OBM) "Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," 2 CFR Part 180. The vendor agrees to, and assures that any other participant at any tier of the project will review the "Excluded Parties Listing System" at <http://epls.gov/> (to be transferred to <https://www.sam.gov>), before entering into any other arrangement in connection with the project.

The certification in this clause is a material representation of fact relied upon by the WV Division of Public Transit. If it is later determined that the bidder knowingly rendered an erroneous certification, in addition to remedies available to the WV Division of Public Transit, the Federal Government may pursue available remedies, including but not limited to suspension and/or debarment. The bidder agrees to comply with the requirements of 2 CFR Part 1200, while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder further agrees to include a provision requiring such compliance in its lower tier covered transactions. All Vendors shall be required to certify that they are not on the Comptroller General's list of ineligible contractors on **Bid Forms #6 and #6-A**.



**7.11 RESTRICTIONS ON LOBBYING**

Every Vendor who applies or bids for an award of \$100,000 or more shall file the certification on Bid Form #9 required by C.F.R. Part 20.110, "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 shall also disclose the name of the registrant under the Lobbying Disclosure Act of 1995 who has made lobbying contacts on its behalf with non-Federal funds with respect to that Federal contract, grant or award covered by 31 U.S.C. 1352. Such disclosures are forwarded from tier to tier up to the Division of Public Transit.

**7.12 ENVIRONMENTAL REGULATIONS**

The Vendor agrees to comply with all applicable standards, orders, or requirements issued under Executive Order 11738, and Environmental Protection Agency Regulations (40 CFR, Part 15), which prohibits the use under nonexempt federal contracts, grants or loans of facilities included on the EPA list of violating facilities. Any violations shall be reported to the Division of Public Transit who will forward the report to the Federal Transit Administration and to the US EPA Administrator for enforcement (9EN-329).

**7.13 CLEAN AIR**

The Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. § 7414 and other applicable provisions of the Clean Air Act, as amended, 42 U.S.C. §§ 7401 *et seq.* The Vendor agrees to report each violation to the Division of Public Transit and understands and agrees that the Division of Public Transit will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.

The Vendor also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FTA.

**7.14 CLEAN WATER**

The Vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to Section 508 of the Federal Water Pollution Control Act, as amended, 33 U.S.C. § 1368, and other provisions of the Federal Water Pollution Act, as amended, U.S.C. 1251 *et seq.* The Vendor agrees to report each violation to the Division of Public Transit and understands and agrees that the Division of Public Transit will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.

The Vendor also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FTA.

**7.15 ENERGY CONSERVATION REQUIREMENTS**

The Vendor agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the State Energy Conservation Plan issued in compliance with the Energy Policy and Conservation Act.



**7.16 CONTRACT WORK HOURS AND SAFETY STANDARDS ACT**

The Vendor shall comply with Section 102 of the Contract Work Hours and Safety Standards Act (40 U.S.C. §§ 3701 *et seq.*, esp. § 3702) as supplemented by Department of Labor Regulations (29 CFR, § 5 & 29 CFR §1926) as they involve the employment of mechanics and laborers.

Overtime Requirements. No Vendor or subcontractor for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

Violation; Liability for Unpaid Wages; Liquidated Damages. In the event of any violation of the clause set forth in paragraph (2) of this section, the Vendor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such Vendor and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (2) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (2) of this section.

Withholding for Unpaid Wages and Liquidated Damages. The WV Division of Public Transit shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Vendor or subcontractor under any such contract or any other Federal contract with the same prime Vendor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Vendor, such sums as may be determined to be necessary to satisfy any liabilities of such Vendor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (3) of this section.

Subcontracts. The Vendor or subcontractor shall insert in any subcontracts the clauses set forth in this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Vendor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in this section.

Payrolls and Basic Records. Payrolls and basic records relating thereto shall be maintained by the Vendor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in Section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR .5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis-Bacon Act, the Vendor shall maintain records which show that the

commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

Vendors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

**7.17 HOLD HARMLESS**

The Vendor agrees to protect, defend, indemnify and hold the State of WV, the Division of Public Transit, its officers, employees and agents free and harmless from and against any and all losses, penalties, damages, settlements, costs, charges, professional fees or other expenses or liabilities of every kind and character arising out of or relating to any and all claims, liens, demands, obligations, action, proceedings or causes of action of every kind and character in connection with or arising directly or indirectly out of this Contract and/or the performance hereof. Without limiting the generality of the foregoing, any and all such claims, etc. relating to personal injury, infringement of any patent, trademark, copyright (or application for any thereof) or of any other tangible or intangible personal or property right, or actual or alleged violation of any applicable statute, ordinance, administrative order, rule or regulation, or decrees of any court, shall be included in the indemnity hereunder. The Vendor further agrees to investigate, handle, respond to, provide defense for and defend any such claims, etc., at his/her sole expense and agrees to bear all other costs and expenses related thereto, even if such claim is groundless, false or fraudulent.

**7.18 PATENT INFRINGEMENT**

The Vendor shall advise the Division of Public Transit of any impending patent suit and shall provide all information available. The Vendor shall defend any suit or proceeding brought against the Division of Public Transit based on a claim that any equipment, or any part thereof, furnished under this contract constitutes an infringement of any patent, and the Vendor shall pay all damages and costs awarded therein, excluding incidental and consequential damages, against the Division of Public Transit. In case said equipment, or any part thereof, is in such suit held to constitute infringement and use of said equipment or parts is enjoined, the Vendor shall, at its own expense and its option, either procure for the Division of Public Transit the right to continue using said equipment or part, or replace same with non-infringing equipment, or modify it so it becomes non-infringing.

**7.19 PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS AND RELATED ACTS**

The Vendor 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 actions pertaining to this Contract. Upon execution of the underlying contract, the Vendor 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 be applicable, the Vendor further 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 on the Vendor to the extent the Federal Government deems appropriate.

The Vendor also acknowledges that if it makes, or causes to be made, 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. § 5307, the Government reserves the right to impose the penalties of 18 U.S.C. § 1001 and 49 U.S.C. § 5307(n)(1) on the Vendor, to the extent the Federal Government deems appropriate.

The Vendor 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.

**7.20 EXCLUSIONARY OR DISCRIMINATORY SPECIFICATIONS**

The Vendor agrees that it will comply with the requirements of 49 U.S.C. § 5325(h) by refraining from using any Federal assistance awarded by the Division of Public Transit to support procurements using exclusionary or discriminatory specifications.

**7.21 GEOGRAPHIC RESTRICTIONS**

The Federal Transit Administration's "Third Party Contracting Circular" (4220.1F), requires grantees (the Division) to conduct procurements in a manner that prohibits the use of statutorily or administratively imposed in-State or local geographical preferences in the evaluation of bids or proposals, except in those cases where applicable Federal statutes expressly mandate or encourage geographic preference. **Therefore, the in-state vendor preference shall not apply to this procurement since it is partially or entirely funded with Federal Transit Administration funds.**

**7.22 APPLICATION OF FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS**

To achieve compliance with changing Federal, State and Local requirements, the Vendor shall note that Federal, State and Local requirements may change and the changed requirements will apply to this Contract as required.

**7.23 BANKRUPTCY**

Please see bankruptcy clause under Purchasing's "General Terms and Conditions": #37 Bankruptcy.

**7.24 PREFERENCE FOR RECYCLED PRODUCTS**

The Vendor agrees to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act, as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFR Part 247.

**7.25 METRIC SYSTEM**

To the extent required by the U.S. Department of Transportation or the Federal Transit Administration, the Vendor agrees to use the metric system of measurement in its Contract activities, as may be required by 15 U.S.C. §§ 205a *et seq.*; Executive Order No. 12770, "Metric Usage in Federal Government Programs," 15 U.S.C. § 205a note; and other regulations,

guidelines, and policies issued by the U.S. Department of Transportation or the Federal Transit Administration. To the extent practicable and feasible, the Vendor agrees to accept products and services with dimensions expressed in the metric system of measurement.

**7.26 LICENSING AND PERMITS**

The Vendor shall be appropriately licensed for the work required as a result of the Contract. The cost for any required licenses or permits shall be the responsibility of the Vendor. The Vendor is liable for any and all taxes due as a result of the Contract.

**7.27 COMPLIANCE WITH LAWS AND PERMITS**

The Vendor shall give all notices and comply with all existing and future Federal, State and Municipal Laws, Ordinances, Rules, Regulations, and Orders of any public authority bearing on the performance of the Contract, including, but not limited to, the laws referred to in these provisions of the Contract and the other Contract documents. If the Contract documents are at variance therewith in any respect, any necessary changes shall be incorporated by appropriate modification. Upon request, the Vendor shall furnish to the Division of Public Transit certificates of compliance with all such laws, orders, and regulations.

**7.28 SEVERABILITY**

In the event any provision of the Contract is declared or determined to be unlawful, invalid or unconstitutional, such declaration shall not affect, in any manner, the legality of the remaining provisions of the Contract and each provision of the Contract will be and is deemed to be separate and severable from each other provision.

**7.29 INCORPORATION OF FEDERAL TRANSIT ADMINISTRATION (FTA) TERMS**

The preceding provisions include, in part, certain Standard Terms and Conditions required by the U.S. Department of Transportation (DOT), whether or not expressly set forth in the preceding Contract provisions. All contractual provisions required by DOT, as set forth in FTA Circular 4220.1F, dated November 1, 2008, 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 Contract. The Vendor shall not perform any act, fail to perform any act, or refuse to comply with any Division of Public Transit requests which would cause the Division of Public Transit to be in violation of the FTA terms and conditions.

**7.30 ACCESS TO RECORDS**

The Vendor agrees to permit the WV Division of Public Transit, the Secretary of the United States Department of Transportation and the Comptroller General of the United States, or their authorized representatives, to inspect all Contract work, materials, payrolls, and other data and records with regard to the Contract. The Vendor also agrees to permit an audit of the books, records, and accounts of the Vendor and its subcontractors.

**7.31. ACCESSIBILITY**

Vendor agrees that any vehicles provided shall be in accordance with the 42 U.S.C. Sections 12101 et seq. and DOT regulations, "Transportation Services for Individuals with Disabilities (ADA)," 49 CFR Part 37; and Joint ATBCB/DOT regulations, "American with Disabilities (ADA) Accessibility Specifications for Transportation Vehicles," 36 CFR Part 1192 and 49 CFR Part 38.



**7.32 SENSITIVE SECURITY INFORMATION**

Each Vendor must protect, and take measures to ensure that its subcontractors at each tier protect, "sensitive security information" made available during the administration of this contract or any subcontract to ensure compliance with 49 U.S.C. Section 40119(b) and implementing DOT regulations, "Protection of Sensitive Security Information," 49 CFR Part 15, and with 49 U.S.C. Section 114(s) and implementing Department of Homeland Security regulations, "Protection of Sensitive Security Information," 49 CFR Part 1520.

**7.33 SEAT BELT USE**

In compliance with Federal Executive Order No. 13043, "Increasing Seat Belt Use in the United States," April 16, 1997, 23 U.S.C. Section 402 note, FTA encourages each vendor 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, and to include this provision in any third party subcontracts, involving this project.

**7.34 DISTRACTED DRIVING, INCLUDING TEXT MESSAGING WHILE DRIVING**

Pursuant to Executive Order No. 13513, "Federal Leadership on Reducing Text Messaging While Driving," October 1, 2009, 23 U.S.C. 402 note and DOT Order 3902.10, "Text Messaging While Driving," December 30, 2009, the VENDOR is encouraged to adopt on-the-job policies and programs for its employees when operating company-owned, rented, or personally operated vehicles to reduce text messaging while driving and avoid distracted driving. This Special Condition is to be included in each third party sub agreement at each tier financed with Federal funds.

**7.35 AIR POLLUTION AND FUEL ECONOMY**

Vendor is to ensure compliance with applicable Federal air pollution control and fuel economy regulations, such as EPA regulations, "Control of Air Pollution from Mobile Sources," 40 CFR Part 85; EPA regulations, "Control of Air Pollution from New and In-Use Motor Vehicles and New and In-Use Motor Vehicle Engines," 40 CFR Part 86; and EPA regulations, "Fuel Economy of Motor Vehicles," 40 CFR Part 600.

**7.36 TRAINING**

The Vendor shall have at its own expense one or more qualified instructor(s) who shall be available at the Recipient Agency(ies) property for up to 3 calendar days per month between the hours of 8:00 a.m. to 5:00 p.m. for one (1) month prior and 5 calendar days two (2) months after, acceptance of the first vehicle. Training must take place at each Recipient Agency's property. The dates will be mutually agreed upon. Instructors shall conduct schooling sessions during the beginning of this two month period which shall be designed to instruct the Recipient Agency's (ies) in-house driver training staff in proper and safe on-road operation of the vehicle, in operating characteristics and limitations of the vehicle, and identification and proper operation of all driver's controls. Instructors shall also, during the beginning of this period, conduct training sessions for maintenance instructors and qualified mechanics to give thorough and proper training in the maintenance and repair of all operating systems of the vehicle including: (1) power train, (2) electrical system, (3) heating, ventilation and air conditioning system, (4) braking and air system, and (5) wheelchair lift and securement systems. The Vendor shall also provide visual and other teaching aids for use by each Recipient Agency's (ies) own training staff.



**7.37 QUALIFICATIONS FOR AWARD**

Award of the contract shall be made to the Vendor quoting the lowest base vehicle bid price, including delivery charges, as described on Bid Form, provided the bid is responsive in all respects to these procurement requirements. The Vendor must be a person, firm or corporation that:

Has in operation a manufacturing plant adequate to assure delivery of all equipment within the time specified under the contract.

Has adequate engineering and service personnel, or has the capability to have such personnel, to satisfy any engineering or service problems that may arise during the warranty period.

Has similar vehicles in operation in comparable service for a minimum of one (1) year. The Vendor may be required to furnish a customer list indicating the number of units and dates in service during approved equal period or during the bid evaluation period in addition to the requirements under 7.40 i of the specifications.

In lieu of this requirement, certified results of a shaker test may be requested by the Division of Public Transit during the approved equal period to prove the proposed vehicles to be capable of operating the service contemplated for these vehicles.

Has the necessary facilities and financial resources to complete the contract in a satisfactory manner within a required time. The Division of Public Transit shall have the right to conduct a pre-award survey of each Vendor.

Has complete and accurate maintenance, parts and operator's manuals

**7.38 SUMMARY OF ITEMS TO BE SUPPLIED WITH BID**

By submitting the items in a and b below, the Vendor certifies that it will comply with all requirements of this RFQ and related addenda.

- a. All forms included under Part 5 (Bid Forms) must be properly completed and furnished by the Vendor as part of the bid. Failure to submit any of these forms shall disqualify the bid.
- b. Technical and other data as required under 4.40, "Pre-Award Review" within 48 hours of request.

**7.39 CERTIFICATIONS**

Vendor shall certify on **Bid Form #2 and #5** that the vehicles offered comply with the following:

a. **Air and Noise Pollution Certification**

The Vendor bidding on these specifications shall be required to certify in writing that the vehicle(s) shall comply with the air pollution criteria established by the Environmental Protection Agency of the United States Government.

b. **Safety Certification**

The Vendor shall furnish written certification that the vehicle(s) shall comply with the Federal Motor Vehicle Safety Standards as established by the U. S. Department of Transportation and with requirements of the laws of the State of West Virginia, all as in effect at the time of manufacture, as to lighting equipment and all warning, operating and safety devices.

7.40 **PRE-AWARD REVIEW**

**The Vendor shall submit the following items within 48 hours of request unless otherwise indicated and any further items if requested by the Division of Public Transit. Failure to submit items may result in disqualification of the bid.**

- a. Complete mechanical description of vehicle, its construction and equipment including manufacturer's model name and/or number. Equipment to be described shall include the wheelchair lift, air conditioner, flip-up seat, and wheelchair securement system, if these items are specified herein.
- b. Proposed interior floor plans, showing detailed dimensions including the location of the wheelchair securement system and stanchions, if specified.
- c. Curb weight (empty weight) and gross vehicle weight rating (GVWR) of vehicle.
- d. Samples or paint charts of available exterior paint colors.
- e. Description of the warranties the Vendor proposes to furnish for the vehicle and for required ancillary equipment, including a listing of sites where warranty work will be performed.
- f. The location of the nearest depot which will furnish a complete supply of parts and components for the repair and maintenance of the vehicle to be supplied. This is not considered in the bid award. **TO BE SUPPLIED WITH BID**
- g. Description of the undercoating/rust proofing system, including warranty to be provided.
- h. Identification of the specific location of the place of assembly in the case of a bus or the place of a conversion in the case of a converted van. If the location changes, the Vendor must notify the Division of Public Transit, in which case the Division of Public Transit reserves the right to perform an inspection similar to the pre-award inspection identified. If the results of the inspection are unsatisfactory, the Division of Public Transit may begin the contract termination process through the WV Purchasing Division. **TO BE SUPPLIED WITH BID**
- i. A list of five users' names, addresses, and telephone numbers who have been provided similar equipment by the Vendor. If the Vendor has not provided similar equipment, the Division of Public Transit reserves the right to determine the acceptability of the equipment proposed by the Vendor.

7.41 **BID PROTEST PROCEDURES**

Vendors have the option of protesting certain decisions made by the Purchasing Division. Protests based on bid specifications must be submitted no later than five (5) working days **prior** to the bid opening. Protest of purchase order/contract awards must be submitted no later than five (5) working days **after** the award.

The vendor is responsible for knowing the bid opening and award dates. All protests must be submitted in writing to the Purchasing Director and contain the following information:

1. Name and address of the protestor,
2. Requisition/purchase order/contract number(s),
3. Statement of the grounds for protest,
4. Supporting documentation (if necessary), and
5. Resolution or relief sought.

*Failure to submit this information will be grounds for rejection of the protest.*

The Purchasing Director or his designee will review the matter of the protest and issue a written decision. A hearing may be conducted at the option of the Purchasing Director or designee. Continuation or delay of the purchase order/contract award process is at the discretion of the Purchasing Director.

The Purchasing Division reserves the right to refuse to review any protest where the matter involved is the subject of litigation before a court of competent jurisdiction, has previously been decided on the merits by a court of competent jurisdiction, or has been decided in a previous protest by the Purchasing Division. The provisions of this subsection do not apply where the court requests, expects, or otherwise expresses interest in the decision of the state.

#### **Appeals to the Federal Transit Administration (FTA)**

Under the Federal Transit Administration's Circular 4220.1F, the Federal Transit Administration's (FTA's) appeals process for reviewing protests of a recipient's procurement decisions are:

A. **Requirements for the Protester.** The protester must:

- a) **Qualify as an "Interested Party."** Only an "interested party" qualifies for FTA review of its appeal. An "interested party" is a party that is an actual or prospective bidder or offeror whose direct economic interest would be affected by the award or failure to award the contract at issue.
  1. **Subcontractors.** A subcontractor does not qualify as an "interested party" because it does not have a direct economic interest in the results of the procurement.
  2. **Consortia/Joint Ventures/Partnerships/Teams.** An established consortium, joint venture, partnership, or team that is an actual bidder or offeror and is acting in its entirety, would qualify as an "interested party" because it has a direct economic interest in the results of the procurement. An individual member of a consortium, joint venture, partnership, or team, acting solely in its individual capacity, does not qualify as an "interested

party" because it does not have a direct economic interest in the results of the procurement.

3. Associations or Organizations. An association or organization that does not perform contracts does not qualify as an "interested party", because it does not have a direct economic interest in the results of the procurement.

- e. Exhaust Administrative Remedies. The protester must exhaust its administrative remedies by pursuing the WV Division of Public Transit's protest procedures to completion before appealing the WV Division of Public Transit's decision to FTA.
- f. Appeal Within Five Days. The protester must deliver its appeal to the FTA Regional Administrator, Region III, 1760 Market Street, Suite 500, Philadelphia, PA 19103-4124 within five (5) working days of the date when the protester has received actual or constructive notice of the WV Division of Public Transit's final decision. Likewise, the protester must provide its appeal to the same address 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 WV Division of Public Transit's failure to have or failure to comply with its protest procedures or failure to review the protest.

B. Extent of FTA Review. FTA limits its review of protests to:

- a) Failure of the Division of Public Transit to have or adhere to its written bid protest procedures, or failure of the Division of Public Transit to review a complaint or protest.
- b) Alleged violations on other grounds are under the jurisdiction of the appropriate State or local administrative authorities.
- c) Alleged violations of a specific Federal Law or regulation that provides an applicable complaint procedure shall be submitted and processed in accordance with that Federal Law or regulation. See, e.g., Buy America Requirements, 49 C.F.R. Part 661 (Section 661.15); Participation by Minority Business Enterprise in Department of Transportation Programs, 49 C.F.R. Section 26.89.

FTA will exercise discretionary jurisdiction over those appeals involving issues important to FTA's overall public transportation program. FTA will refer violations of Federal law for which it does not have primary jurisdiction to the Federal authority having proper jurisdiction.

FTA Determinations to Decline Protest Reviews. FTA's determination to decline jurisdiction over a protest does not mean that FTA approves of or agrees with the Division of Public Transit's decision or that FTA has determined the contract is eligible



for Federal participation. FTA's determination means only that FTA does not consider the issues presented to be sufficiently important to FTA's overall program that FTA considers a review to be required.

**7.42 PRICE FOR A COMPLETE VEHICLE**

- A. The price quoted in any proposal submitted shall include all labor, materials, tools, warranties, equipment, and other costs necessary to complete the manufacture and delivery of the vehicle. Any items omitted from the specifications which are clearly necessary for the completion and operation of such equipment and its appurtenances shall be considered a portion of such equipment, although not directly stated or covered in these specifications.
- B. Notwithstanding the provision of drawings, technical specifications, or other data by the Division of Public Transit, the Vendor shall have the responsibility of supplying all parts and details required to make the vehicle complete and ready for service even though such details may not be specifically mentioned in the drawings and specifications. Fare boxes, radios, and other items that are installed by the Recipient Agency shall not be the responsibility of the Vendor unless they are included in this contract.
- C. **All prices are to be quoted in whole dollars** and submitted on Bid Form. Bid will be awarded to responsive vendor with lowest base vehicle bid price including delivery charges.
- D. Additional agencies could purchase from any awarded contract resulting from this RFQ. Specified deliverables would be as originally advertised, competed, evaluated, and awarded.

**7.43 QUANTITIES**

- A. Quantities listed in the RFQ are approximations only, based on estimates supplied by the Division of Public Transit. The awarded Contract shall cover the quantities actually ordered for delivery during the term of the Contract.
- B. Additional agencies (transit providers) could purchase from any awarded contract resulting from this RFQ. Specified deliverables would be as originally advertised, competed, evaluated and awarded.

**7.44 TERMINATION OF CONTRACT**

The State reserves the right to cancel any purchasing agreement arising out of an award under these Specifications if, in its opinion, there is any failure to adequately perform the requirements of these Specifications. Under these conditions, cancellation will be effective immediately upon written notification to the Vendor and such cancellation will relieve the State from any obligation to purchase any items under such purchasing agreement.

**7.45 RESOLUTIONS OF DISPUTES, BREACHES OR OTHER LITIGATION**

The Division of Public Transit may, by written notice of default to the Vendor, terminate the whole or any part of this Contract if the Vendor fails to make delivery of the supplies or to perform the services within the time specified herein or any extension thereof; or if the Vendor fails to perform any of the other provisions of the Contract, or so fails to make progress as to endanger performance of this Contract in accordance with its terms, and in either of these two circumstances does not cure such failure within a period of ten (10) days (or such longer period as



the Purchasing Division may authorize in writing) after receipt of notice from the Purchasing Division specifying such failure.

If the Contract is terminated in whole or in part for default, the Division of Public Transit may procure, upon such terms and in such manner as the Purchasing Division may deem appropriate, supplies or services similar to those so terminated. The Vendor shall be liable to the Division of Public Transit for any excess costs for such similar supplies or services, and shall continue the performance of this Contract to the extent not terminated under the provisions of this clause.

Except with respect to defaults of subcontractors, the Vendor shall not be liable for any excess costs if the failure to perform the Contract arises out of causes beyond the control and without the fault or negligence of the Vendor. If the failure to perform is caused by the default of a subcontractor, and if such default arises out of causes beyond the control of both the Vendor and subcontractor, and without the fault or negligence of either of them, the Vendor shall not be liable for any excess costs for failure to perform, unless the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the Vendor to meet the required delivery schedule.

Payment for completed supplies delivered to and accepted by the Division of Public Transit shall be at the Contract price. The Division of Public Transit may withhold from amounts otherwise due the Vendor for such completed supplies such sum as the Purchasing Division determines to be necessary to protect the Division of Public Transit against loss because of outstanding liens or claims of former lien holders. If, after notice of termination of this Contract under the provision of this clause, it is determined for any reason that the Vendor was not in default under the provisions of this clause, or that the default was excusable under the provisions of this clause, the rights and obligations of the parties shall be the same as if the notice of termination had been issued pursuant to termination for convenience of the Division of Public Transit.

The rights and remedies of the Division of Public Transit provided in this clause shall not be exclusive and are in addition to any other rights and remedies provided by law or under this Contract.

**7.46 NO GOVERNMENT OBLIGATION TO THIRD PARTIES**

The Division of Public Transit and the Vendor 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 the Contract and shall not be subject to any obligations or liabilities to the Division of Public Transit, the Vendor, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying Contract.

The Vendor 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.

**8.0 ORDERING AND PAYMENT TO VENDOR**

- A. Payment of 90% of the total cost shall be paid upon conditional acceptance of the vehicle.

- B. Conditional acceptance of the vehicles by the Division of Public Transit shall be made upon completion of inspection by the Division of Public Transit under Section 5.2.
- C. Under the conditional acceptance of the vehicles provided, the Division of Public Transit shall retain 10% of the total cost per vehicle until all vehicles provided have been in actual service for 30 calendar days.
- D. In the event any vehicle is found to be unacceptable during the 30 calendar day period of conditional acceptance, the Division of Public Transit shall furnish to the Vendor in writing, a letter of non-acceptance detailing any and all deficiencies.
- E. Final acceptance of each vehicle shall be made by the Division of Public Transit in writing upon completion of the period of conditional acceptance and/or after any and all deficiencies have been corrected.
- F. Final acceptance shall be made on each individual vehicle provided. (Some vehicles may be accepted, while acceptance of others remain pending.)
- G. Final acceptance of each vehicle shall be provided in writing by the Director of the Division of Public Transit or his/her authorized representative.
- H. All warranties as described in this contract shall begin with the first day after the date of final acceptance of each vehicle. **Vendor shall furnish Notification of Delayed Delivery Date or In-Transit Mileage Accumulation Forms for completion by the Division of Public Transit upon acceptance of the vehicle.**
- I. Prompt Payment The prime Vendor agrees to pay each sub-contractor under this prime contract for satisfactory performance of its contract no later than 15 days from the receipt of each payment the prime Vendor receives from the Division of Public Transit. The Vendor agrees further to return retainage payments to each subcontractor within 15 days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval of the Division of Public Transit. This clause applies to both DBE and non-DBE subcontractors.
- J. When submitting invoices for payment to the Division of Public Transit, the Vendor shall be required to provide an original typed invoice. The following items shall appear on the invoice:
  - 1) Vendor's Federal Employee Identification Number (FEIN)
  - 2) Purchase Order Number
  - 3) Invoice should reflect the base vehicle unit cost. **NOTE: Two invoices shall be submitted for each vehicle, one for 90% (percent) of cost per vehicle and one for 10% (percent) of cost per vehicle.**

- 4) Submit all invoices to:  
Division of Public Transit  
Building 5, Room 906  
1900 Kanawha Blvd., East  
Charleston, West Virginia 25305-0432

8.1 **ORDERING:** Vendor shall accept this order when encumbered, post award.

8.2 **PAYMENT:** Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia. Methods of acceptable payment must include the West Virginia Purchasing Card. Payment in advance is not permitted under this Contract.

9.0 **DELIVERY AND RETURN:**

9.1 **Delivery Payment/Risk of Loss:** Standard order delivery shall be F.O.B. destination to the Agency's designated location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery.

9.2 Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met.

A. Vendors shall specify approximate delivery date(s) when submitting bids. Delivery of the vehicle shall be completed within 150 days after receipt of executed contract documents. If the delivery is delayed, for any reason, the request for extension must be made in writing to the Division of Public Transit.

B. Vendor shall make arrangements through the Division of Public Transit for delivery of the vehicles to **Division of Public Transit c/o Kanawha Valley Regional Transportation Authority, 1550 4<sup>th</sup> Avenue, Charleston, WV.** Delivery will be accepted Monday through Friday, between 9 a.m. and 2 p.m. exclusive of State holidays.

Any delay in delivery resulting from the common carrier's operations, accidents, or mechanical failures en route, shall be construed as a cause beyond the Vendor's control; however, the Vendor shall have the responsibility of releasing the vehicle to the common carrier in time to reach the delivery site under normal delivery conditions.

C. In case the delivery of the complete vehicle shall be necessarily delayed because of strike, injunction, civil disturbance, government controls, or by reason of any cause or circumstances beyond the control of the Vendor, as detailed in writing by the Vendor, the term of completion of delivery shall be extended by a number of days to be determined in each instance by mutual agreement of the Division of Public Transit and Vendor.

D. If the vehicle is delivered over-the-road, a written report shall be submitted by the driver to the Division of Public Transit listing all incidents and unusual vehicle performance during the trip.

Should any service or repair be required during delivery, a comprehensive report shall be submitted to the Director of the Division of Public Transit describing the nature of the service or repair and the cause.

- E. Prior to acceptance, the Vendor shall have total risk of loss of the vehicle, including any damage sustained during the Vendor's driveway operation. Drivers shall keep a maintenance log en route and it shall be delivered to the Division of Public Transit with the vehicle.
- F. **Vendor shall have 15 calendar days to complete a vehicle for conditional acceptance once the vehicle is delivered to the Kanawha Valley Regional Transportation Authority.** After 10 working days, the Vendor shall be responsible for paying the storage fee invoiced at a per day rate of currently \$12. The per day rate shall be deducted from payment of the final 10% of the vehicle cost. The Division of Public Transit shall within fifteen (15) calendar days of **notice from Vendor that vehicle is ready to be inspected for conditional acceptance**, proceed with its inspection of vehicle for conditional acceptance. (See 4.3 Conditional Acceptance of Vehicle(s)).

### 9.3 **ACCEPTANCE TESTS**

#### a. **Responsibility**

Fully-documented tests shall be conducted on each production vehicle following manufacture to determine its acceptance to the Division of Public Transit. These acceptance tests shall include pre-delivery inspections and testing by the Division of Public Transit after the vehicles have been delivered.

#### b. **Pre-Delivery Tests**

The Vendor shall conduct acceptance tests at its plant on each vehicle following completion of manufacture and before delivery to the Division of Public Transit. These pre-delivery tests shall include visual and measured inspections, as well as testing the total vehicle operation. The tests shall be documented. Additional tests may be conducted at the Vendor's discretion to ensure that the completed vehicles have attained the contract quality and have met the requirements of the Technical Specifications. This additional testing shall be recorded on appropriate test forms provided by the Vendor.

The pre-delivery tests will be scheduled and conducted with sufficient notice so that they may be witnessed by the resident inspectors, who may accept or reject the results of the tests. The results of pre-delivery tests, and any other tests, will be filed with the assembly inspection records for each vehicle. The under-floor equipment will be made available for inspection by the resident inspectors, using a hoist. A scaffold, or elevated platform will be provided by the Vendors to easily and safely inspect vehicle roofs. Delivery of each vehicle will require written authorization of a resident inspector. Authorization forms for the release of each vehicle for delivery will be provided by the Vendor. An executed copy of the authorization will accompany the delivery of each vehicle.



c. **Inspection - Visual and Measured**

Visual and measured inspections shall be conducted with the vehicle in a static condition. The purpose of the inspection testing is to verify overall dimensional and weight requirements, to verify that required components are included and are ready for operation, and to verify that components and subsystems that are designed to operate with the vehicle in a static condition do function as designed.

d. **Total Vehicle Operation**

Total vehicle operations shall be evaluated during road tests. The purpose of the road tests is to observe and verify the operation of the vehicle as a system and to verify the functional operation of the subsystem that can be operated only while the vehicle is in motion. Each vehicle shall be driven for a minimum of 15 miles during the road tests. Observed defects shall be recorded on the test forms. The vehicle shall be retest when defects are corrected and adjustments are made. This process shall continue until defects or required adjustments are no longer detected. Results shall be pass/fail for these vehicle operation tests.

e. **Post-Delivery Tests**

The Division of Public Transit may conduct acceptance tests on each delivered vehicle. These tests shall be completed within 15 days after vehicle delivery. The purpose of these tests is to identify defects that have become apparent between the time of vehicle release and delivery to the Division of Public Transit. The post-delivery tests shall include visual inspection and vehicle operations.

Vehicles that fail to pass the post-delivery tests are subject to non-acceptance. The Division of Public Transit shall record details of all defects and shall notify the Vendor of non-acceptance of each vehicle within 5 days after completion of the tests.

f. **Vehicle Operation**

The road tests for total vehicle operation are similar to those conducted at the Vendor's plant. Operational deficiencies of each vehicle shall be identified and recorded.

9.4 **Conditional Acceptance of Vehicle(s)**

Within **fifteen (15) calendar days** after notice from Vendor that vehicle is ready to be inspected for conditional acceptance, the vehicle shall undergo the Division of Public Transit's conditional acceptance test. If the vehicle passes these tests, conditional acceptance of the vehicle by the Division of Public Transit occurs on the fifteenth calendar day after the notice from Vendor that vehicle is ready to be inspected for conditional acceptance. Acceptance may occur earlier if the Division of Public Transit notifies the Vendor of early acceptance. If the vehicle fails these tests, it shall not be accepted until the repairs have been made.



**9.5 Repairs After Non-Acceptance**

The Division of Public Transit may require the Vendor, or its designated representative, to perform the repairs after non-acceptance, or the work may be done by the Recipient Agency's personnel with reimbursement by the Vendor.

**9.5.1 Repairs By Vendor**

If the Recipient Agency requires the Vendor to perform repairs after non-acceptance of the vehicle, the Vendor's representative must begin work within five (5) working days after receiving notifications from the Recipient Agency of failure of acceptance tests. The Recipient Agency shall make the vehicle available to complete repairs timely with the Vendor's repair schedule.

The Vendor shall provide, at its own expense, all spare parts, tools, and space require to complete the repairs. At the Recipient Agency's option, the Vendor may be required to remove the vehicle from the Recipient Agency's property. The repair procedure must be diligently pursued by the Vendor's representatives, and the Vendor shall assume risk of loss while the vehicle is under its control.

**9.5.2 Repairs By Recipient Agency**

- a) Parts Used. If the Recipient Agency decides to perform the repairs after non-acceptance of the vehicle, it shall correct or repair the defect and any related defects using Vendor specified parts available from its own stock or those supplied by the Vendor specifically for this repair.

Monthly, or at a period to be mutually agreed upon, reports of all repairs covered by this procedure shall be submitted by the Recipient Agency to the Vendor for reimbursement or replacement of parts. The Vendor shall provide forms for these reports.

- b) Vendor Supplied Parts. If the Vendor supplies parts for repairs being performed by the Recipient Agency, after non-acceptance of the vehicle, these parts shall be shipped prepaid to the Recipient Agency from any source selected by the Vendor within ten (10) working days after receipt of the request for said parts, provided said parts are available for shipment.
- c) Return of Defective Components. The Vendor may request that parts covered by this provision be returned to the manufacturing plant. The total cost for this action shall be paid by the Vendor.
- d) Reimbursement For Labor. The Recipient Agency shall be reimbursed by the Vendor for labor. The amount shall be determined by multiplying the number of actual man-hours' straight wage rate plus 53 percent fringe benefits, plus the cost of towing in the vehicle if such action was necessary. These wage and fringe benefit rates shall not exceed the rates in effect in the Recipient Agency's service garage at the time the defect correction is made.
- e) Reimbursement For Parts. The Recipient Agency shall be reimbursed by the Vendor for defective parts that must be replaced to correct the defect. The reimbursement shall include taxes where applicable and 10 percent handling cost.

**9.6 Delivery Time:** Vendor shall deliver standard orders within 150 working days after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met.

**9.7 Delivery Payment/Risk of Loss:** Standard order delivery shall be F.O.B. destination to the Agency's designated location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery.

**10.0 MISCELLANEOUS:**

**10.1 No Substitutions:** Vendor shall supply only Contract Items submitted in response to the RFQ unless a contract modification is approved in accordance with the provisions contained in this Contract.

**10.2 Vendor Supply:** Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.

**10.3 Contract Manager:** During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

**Contract Manager:** Steve Dreier, Vice President  
**Telephone Number:** 800-227-3572  
**Fax Number:** 419-836-8460  
**Email Address:** sdreier@tescobus.com

Federal funding for this project is being provided by the Federal Transit Administration through CFDA 20.513 for Sec 5310, CFDA 20.509 for Sec 5311 and CFDA 20.526 for Sec 5339 to cover 80% of the project cost.

**REQUIRED BID FORMS**

The following certifications must be properly **completed and furnished by the bidder as part of the bid**. Failure to submit any of these certifications **shall deem the bid non-responsive**.

*A required documentation checklist has been provided for bidder's usage.*

REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles

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**BID FORM #1: LOCATION(S) OF THE TECHNICAL SERVICE REPRESENTATIVE(S)  
MANDATORY BID FORM-MUST BE SUBMITTED WITH BID**

Location(s) of the Technical Service Representative(s) and parts distribution center(s) closest to the State of West Virginia.

Name: Transportation Equipment Sales Corp.

Address: 6401 Seaman Road  
Oregon, OH 43616

Telephone: 800-227-3572  
Josh Wise, Service Manager

Name: Transportation Equipment Sales Corp.

Address: 6401 Seaman Road  
Oregon, OH 43616

Telephone: 800-227-3572  
Ron Cook, Parts Manager

Please also see the attached list of Service Facilities.

Please contact the above Technical Representative prior to bringing your vehicle to a warrant facility.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

West Virginia - Ford Service Facilities							
<u>Service Facilities</u>	<u>Address</u>	<u>City &amp; ST</u>	<u>County</u>	<u>Phone</u>	<u>Service Contact</u>	<u>Body Work</u>	<u>Comments</u>
<b><u>Northern Panhandle</u></b>							
Ohio Valley Ford Mercury	Route 250 Jefferson Ave	Moundsville, WV	Marshall	(304) 845-4244	John Dudley	Yes	has a lift works on other busses
Rich Galardi Ford	1625 Commerce	Wellsburg, WV	Brooke	(304) 737-0211	Dave White	No	has lifts seems confident
<b><u>Eastern Panhandle</u></b>							
Kent Parsons Ford Lincoln Mercury	Route 45 E Moler Ave	Martinsburg, WV	Berkeley	(304) 263-3344	Kelly Hess	Yes	does work on floor
Markwood Ford Mercury	RR 3 Box 3280	Keyser, WV	Mineral	(304) 788-7900	Mike Smyder	No	has lifts and refers to a local body shop
Roth Ford	HC 30 Box 40	Petersburg, WV	Grant	(800) 334-7684	Rick Oates	No	does work on ground only small work
<b><u>Central West Virginia</u></b>							
Astorg Ford Lincoln Mercury	2028 7th St	Parkersburg, WV	Wood	(304) 485-8585	Rob Ayers	No	has lifts body shop can't fit a bus
Campus Ford Lincoln Mercury	Route 7	Morgantown, WV	Monongalia	(304) 296-4477	Michelle Smith	No	has a lift
Chenoweth Ford Lincoln Mercury	Route 50 E	Clarksburg, WV	Harrison	(304) 623-6501	Mike Allawat	Yes	has a lift
Elkins Fordland	1211 Harrison Ave	Elkins, WV	Randolph	(304) 636-2222	Kent Winn	No	limited does work on ground
I77 Ford Mercury	HC 80 Box 71B	Ripley, WV	Jackson	(304) 372-3673	Chris Smith	No	has lifts works on other busses
J & J Ford	Route 7 W	Terra Alta, WV	Preston	(304) 789-2431	Terry Shreve	Yes	has lifts
Michael Motor	1061 State St	Gassaway, WV	Braxton	(304) 364-5935	Matt Loyde	Yes	has a lift
Midway Ford	201 Orchard Park Rd	Hurricane, WV	Putnam	(304) 562-3315	Mike Withrow	No	does work on ground small shop limited
Scott Ford Mercury	Route 7 W	Kingwood, WV	Preston	(304) 329-3673	Willy Alberico	No	has lifts works on other busses
Toothman Ford	Route 50 W	Grafton, WV	Taylor	(304) 265-3000	Jackie Bell	No	has lifts can recommend body shop
Wilson Ford Lincoln Mercury	1950 Fairmont Ave	Fairmont, WV	Marion	(304) 363-0500	Rico Insani	Yes	does work on ground works on other busses
Jack Garrett Ford	Route 1 Ripley Rd	Spencer, WV	Roane	(304) 927-2492	Mike Carpenter	Yes	has lift works on other busses
Turnpike Ford of Huntington	2480 5th Ave	Huntington, WV	Cabell	(304) 529-2260	Rusty Stover	Yes	has a lift and contact Chris Carel for body
<b><u>Southern West Virginia</u></b>							
Andy Clark Ford Lincoln Mercury	498 Courthouse Rd	Princeton, WV	Mercer	(877) 425-2128	Sheryl Belcher	Yes	has lifts sublets body work next door
Colonial Ford Lincoln Mercury	428 N Jefferson St	Lewisburg, WV	Greenbrier	(304) 645-2244	Kenny Miller	Yes	has lift and body work is separate company
Ramey Ford Lincoln Mercury	615 N Eisenhower Dr	Beckley, WV	Raleigh	(304) 256-7421	Scotty Bowman	No	does work on floor handles other busses



### West Virginia - Braun Service Facilities

<u>Service Facilities</u>	<u>Address</u>	<u>City &amp; ST</u>	<u>County</u>	<u>Phone</u>	<u>Located in District</u>
Van Lifts Unlimited	RR 12 Box 283	Hurricane, WV	Putnam	(304) 727-9478	Central West Virginia
Marietta Mobility	211 S. 8th Street	Marietta, OH	Washington	(800) 690-4950	*
Mobility Plus VA	323 S. College Ave.	Salem, VA	Independent	(540) 389-3400	*
Speclin Emergency Vehicle	100 Industrial St	Scottdale, PA	Westmoreland	(724) 887-8093	*
Keystone Coach Works, Inc.	4786 Library Road	Bethel Park, PA	Allegheny	(412) 833-1900	*
Total Mobility Services	4785 Penn Ave	Boswell, PA	Somerset	(814) 629-9934	*
Mountain International Trucks	408 Goff Mountain Rd	Cross Lanes, WV	Kanawha	(304) 776-5600	Central West Virginia
Matheny Motors	Third & Ann Streets	Parkersburg, WV	Wood	(304) 485-4423	Central West Virginia
Ironside Mobility Systems	687 Lofstrand Lane Unit P	Rockville, MD	Montgomery	(301) 279-5855	*
M.I.T.S. of Virginia	2075 West Main St.	Waynesboro, VA	Independent	(800) 420-6470	*
Mobility Works	1090 Mosside Blvd	Wall, PA	Allegheny	(412) 824-8091	*

### West Virginia - Air Conditioning Service Centers

<u>Service Facilities</u>	<u>Address</u>	<u>City &amp; ST</u>	<u>ZIP</u>	<u>County</u>	<u>Phone</u>	<u>District</u>	<u>Contact</u>
Mountain International Trucks	408 Groff Mountain Rd.	Cross Lanes, WV	25313	Kanawha	(304) 776-5600	Central West Virginia	Grant Morris
Mountain International Trucks	60 West White	Lewisburg, WV	24901	Greenbrier	(304) 536-2000	Southern West Virginia	Robert Morris
Sellers Truck 'N' Auto	1129 E. Pike St.	Clarksburg, WV	26301	Harrison	(304) 622-5876	Central West Virginia	*
Mountaineer Thermo-King	2252 Roxalana Rd	Dunbar, WV	25064	Kanawha	(304) 744-7344	Central West Virginia	*
Fleet Service Co.	3007 Chapline St	Wheeling, WV	26003	Ohio	(304) 232-6140	Northern Panhandle	*
West Virginia Truck & Trailer	1 Jain Dr.	Cross Lanes, WV	25313	Kanawha	(304) 755-0113	Central West Virginia	*
Hemlock Fleet Service	609 Division St	Parkersburg, WV	26101	Wood	(304) 422-3166	Central West Virginia	*
Tony's Auto Service	1112 First Street	Alexandria, VA	22314	Independent	(703) 683-5050	*	Tony Damiani
Truck Thermo King Inc	3650 S. Main Street	Harrisonburg, VA	22801	Independent	(540) 434-7004	*	Ken Showalter

REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles

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**BID FORM #2: CERTIFICATION FOR AIR POLLUTION  
MANDATORY BID FORM-MUST BE SUBMITTED WITH BID**

Pursuant to Section 8.4 of Part 1 of the Procurement, the Vendor certifies that the vehicles proposed:

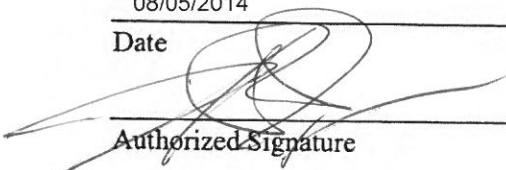
  X   **ARE** or

       **ARE NOT** (specify one)

in compliance with the regulations in 40 CFR Part 85, 40 CFR Part 86, 40 CFR Part 600 and the air pollution criteria established by the Environmental Protection Agency of the United States Government.

08/05/2014

Date

  
Authorized Signature

Executive Vice President

Title

Transportation Equipment Sales Corp.

Company Name

REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles

84

**BID FORM #3: DISADVANTAGED BUSINESS ENTERPRISE VENDORS/ MANUFACTURERS  
CERTIFICATION-- MANDATORY BID FORM-- MUST BE SUBMITTED WITH BID**

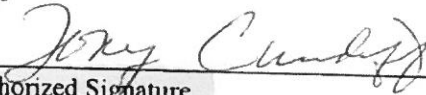
(Check appropriate statement)

☒ The Vendor, if a transit vehicle manufacturer, hereby certifies that it has complied with the requirements of 49 CFR Section 26.49 by submitting an annual DBE goal to the Federal Transit Administration (FTA). The goal has either been approved or not disapproved by FTA.

☐ The Vendor, if a non-manufacturing supplier, hereby certifies that the manufacturer of the transit vehicle to be supplied has complied with the above-referenced requirement of 49 CFR Section 26.49.

July 17, 2014

Date



Authorized Signature

General Manager

Title

Elkhart Coach Div. of Forest River, Inc.  
Company Name

REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles

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84

**BID FORM #3: DISADVANTAGED BUSINESS ENTERPRISE VENDORS/ MANUFACTURERS  
CERTIFICATION-- MANDATORY BID FORM-- MUST BE SUBMITTED WITH BID**

**(Check appropriate statement)**

\_\_\_\_ The Vendor, if a transit vehicle manufacturer, hereby certifies that it has complied with the requirements of 49 CFR Section 26.49 by submitting an annual DBE goal to the Federal Transit Administration (FTA). The goal has either been approved or not disapproved by FTA.

X The Vendor, if a non-manufacturing supplier, hereby certifies that the manufacturer of the transit vehicle to be supplied has complied with the above-referenced requirement of 49 CFR Section 26.49.

08/05/2014

Date

  
Authorized Signature

Executive Vice President

Title

Transportation Equipment Sales Corp.

Company Name



REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles

85

**BID FORM #4: BUY AMERICA CERTIFICATION ROLLING STOCK  
MANDATORY BID FORM-MUST BE SUBMITTED WITH BID**

**Certificate of Compliance**

The bidder or offeror hereby certifies that it will comply with the requirements of section 165(b)(3), of the Surface Transportation Assistance Act of 1982, as amended, and the applicable regulations of 49 CFR 661.11:

July 17, 2014

Date

Authorized Signature

Elkhart Coach Div. of Forest River, Inc.

Company Name

Tony Cundiff

Name

General Manager

Title

**Certificate for Non-Compliance**

The bidder or offeror hereby certifies that it cannot comply with the requirements of section 165(b)(3) of the Surface Transportation Assistance Act of 1982, as amended, but may qualify for an exception to the requirement consistent with section 165(b)(2) or (b)(4) of the Surface Transportation Assistance Act, as amended, and the applicable regulations in 49 CFR 661.7.

Date

Authorized Signature

Company Name

Name

Title

REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles

85

**BID FORM #4: BUY AMERICA CERTIFICATION ROLLING STOCK  
MANDATORY BID FORM-MUST BE SUBMITTED WITH BID**

**Certificate of Compliance**

The bidder or offeror hereby certifies that it will comply with the requirements of section 165(b)(3), of the Surface Transportation Assistance Act of 1982, as amended, and the applicable regulations of 49 CFR 661.11:

08/05/2014

Date

Authorized Signature

Transportation Equipment Sales Corp.

Company Name

Jeffrey P. Pappas

Name

Executive Vice President

Title

**Certificate for Non-Compliance**

The bidder or offeror hereby certifies that it cannot comply with the requirements of section 165(b)(3) of the Surface Transportation Assistance Act of 1982, as amended, but may qualify for an exception to the requirement consistent with section 165(b)(2) or (b)(4) of the Surface Transportation Assistance Act, as amended, and the applicable regulations in 49 CFR 661.7.

Date

Authorized Signature

Company Name

Name

Title

REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles

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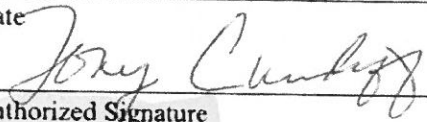
86

**BID FORM #5: FEDERAL MOTOR VEHICLE SAFETY STANDARDS CERTIFICATION  
MANDATORY BID FORM-MUST BE SUBMITTED WITH BID**

The vendor hereby certifies that it shall submit, as required by Title 49 of the CFR, Part 663 - Subpart D, it's self certification information stating that the vehicle(s) will comply with the relevant Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 of the Code of Federal Regulations, Part 571.

July 17, 2014

Date

  
Authorized Signature

General Manager

Title

Elkhart Coach Div. of Forest River, Inc.

Company Name

REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles

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**BID FORM #5: FEDERAL MOTOR VEHICLE SAFETY STANDARDS CERTIFICATION  
MANDATORY BID FORM-MUST BE SUBMITTED WITH BID**

The vendor hereby certifies that it shall submit, as required by Title 49 of the CFR, Part 663 - Subpart D, it's self certification information stating that the vehicle(s) will comply with the relevant Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 of the Code of Federal Regulations, Part 571.

08/05/2014

Date

  
Authorized Signature

Executive Vice President

Title

Transportation Equipment Sales Corp.

Company Name

REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles

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**BID FORM #6—U.S. COMPTROLLER'S DEBARMENT LIST CERTIFICATION**  
**MANDATORY BID FORM-MUST BE SUBMITTED WITH BID**

Transportation Equipment Sales Corp. hereby certifies that it

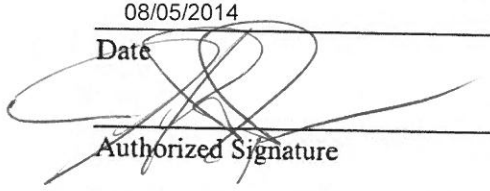
       IS or

  X   IS NOT (specify one)

included on the U.S. Comptroller General's Consolidated List of Persons or Firms Currently Debarred for Violations of Various Public Contracts Incorporating Labor Standards Provisions.

08/05/2014

Date

  
Authorized Signature

Executive Vice President

Title

Transportation Equipment Sales Corp.

Company Name

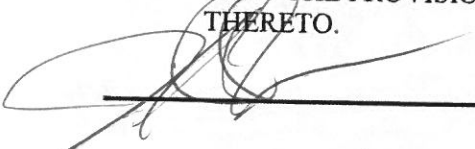


**BID FORM #6-A: CERTIFICATION OF PRIMARY PARTICIPANT REGARDING  
DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS  
MANDATORY BID FORM-MUST BE SUBMITTED WITH BID**

The Primary Participant (applicant for an FTA grant or cooperative agreement, or potential contractor for a major third party contract), Transportation Equipment Sales Corp.  
(COMPANY NAME) certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
5. If the primary participant (applicant for an FTA grant, or cooperative agreement, or potential third party contractor) is unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.)

THE PRIMARY PARTICIPANT (APPLICANT FOR AN FTA GRANT OR COOPERATIVE AGREEMENT, OR POTENTIAL CONTRACTOR FOR A MAJOR THIRD PARTY CONTRACT), Jeffrey P. Pappas, CERTIFIES OR AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF 31 U.S.C. SECTIONS 3801 ET SEQ. ARE APPLICABLE THERETO.

  
Jeffrey P. Pappas, Executive Vice President

\_\_\_\_\_  
Signature and Title of Authorized Official

**BID FORM #7: VENDOR'S CERTIFICATION OF  
UNDERSTANDING AND ACCEPTANCE  
MANDATORY BID FORM-MUST BE SUBMITTED WITH BID**

The Vendor hereby certifies that all Technical Specifications and Contract Terms and Conditions have been carefully reviewed, are fully understood and shall be adhered to in performance and completion of any contract resulting from this bid.

08/05/2014

Date

Authorized Signature

Executive Vice President

Title

Transportation Equipment Sales Corp,  
Company Name

**SPECIFICATION COMPLIANCE**

**NOTE: Please check** if what is offered is in exact compliance with specifications. **Any discrepancies must be listed as an attachment to the bid proposal. Exact dimensions and/or descriptions must be provided as a part of the Vendor's bid proposal when submitted.**

☐ Bid proposal submitted meets and/or exceeds all specification requirements.

☒ Bid proposal submitted contains deviations from specification requirements. Detailed descriptions of these deviations have been provided with this bid proposal.

Please see attached.



Proven Quality.  
Trusted Name.

Transportation Equipment Sales Corporation

**To:** Beth Collins  
**From:** Jeff Pappas - TESCO  
**RFQ #:** **PTR14048**  
**Date:** August 7, 2014  
**Re:** Deviation - **State of West Virginia.**

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Page	Section	Subject	Request
33	3.13.4.i	Doors	Please accept the WC door will be 57" and the clear opening will be 47" which will not impede the operation of the lift platform.

tescobus.com

6401 Seaman Rd  
PO Box 167230  
Oregon, Ohio  
43616-7230

419.836.2835  
419.836.8460 fax  
800.227.3572

REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles

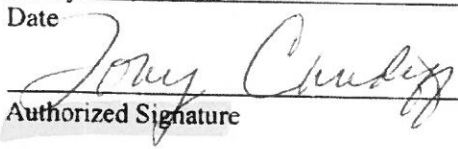
**BID FORM #8: CERTIFICATION OF COMPLIANCE  
WITH FTA'S BUS TESTING REQUIREMENTS  
MANDATORY BID FORM-MUST BE SUBMITTED WITH BID**

The undersigned (Vendor/Manufacturer) certifies that the vehicle offered in this procurement complies with 49 U.S.C. 5318, as amended by MAP-21, and FTA regulations, "Bus Testing," 49 CFR Part 665.

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 2 CFR Part 1200.

July 17, 2014

Date

  
Authorized Signature

General Manager

Title

Elkhart Coach Div. of Forest River, Inc.  
Company Name

REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles

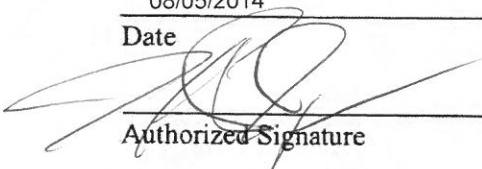
**BID FORM #8: CERTIFICATION OF COMPLIANCE  
WITH FTA'S BUS TESTING REQUIREMENTS  
MANDATORY BID FORM-MUST BE SUBMITTED WITH BID**

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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 2 CFR Part 1200.

08/05/2014

Date



Authorized Signature

Executive Vice President

Title

Transportation Equipment Sales Corp.

Company Name



**REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles**

**BID FORM #9: CERTIFICATION OF RESTRICTIONS ON LOBBYING  
MANDATORY BID FORM-MUST BE SUBMITTED WITH BID**

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

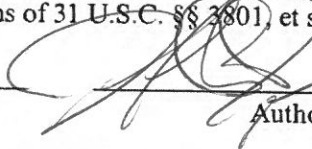
- a. No Federal appropriated funds have been paid or will be paid by or on behalf of the undersigned, to any person for influence or attempt to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress regarding the award of a Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance, or the extension, continuation, renewal, amendment, or modification of any Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance.
- b. If any funds other than Federal appropriated funds have been or will be paid to any person to influence or attempt to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or any employee of a Member of Congress in connection with any application for a Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance, the undersigned assures that it will complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," Rev. 7-97; and
- c. The undersigned understands that the language of this certification shall be included in the award documents for all subawards at all tiers (including subcontracts, sub grants, sub agreements, and contracts under grants, loans (including a line of credit), cooperative agreements, loan guarantees, and loan insurance.

Undersigned understands that this certification is a material representation of fact upon which reliance is placed by the Federal government and that submission of this certification is a prerequisite for providing a Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance for a transaction covered by 31 U.S.C. 1352. The undersigned also understands that any person who fails to file a 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 (Vendor, Contractor) Transportation Equipment Sales Corp., certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the (Vendor, Contractor) understands and agrees that the provisions of 31 U.S.C. §§ 3801, et seq., apply to this certification and disclosure.

08/05/2014

Date

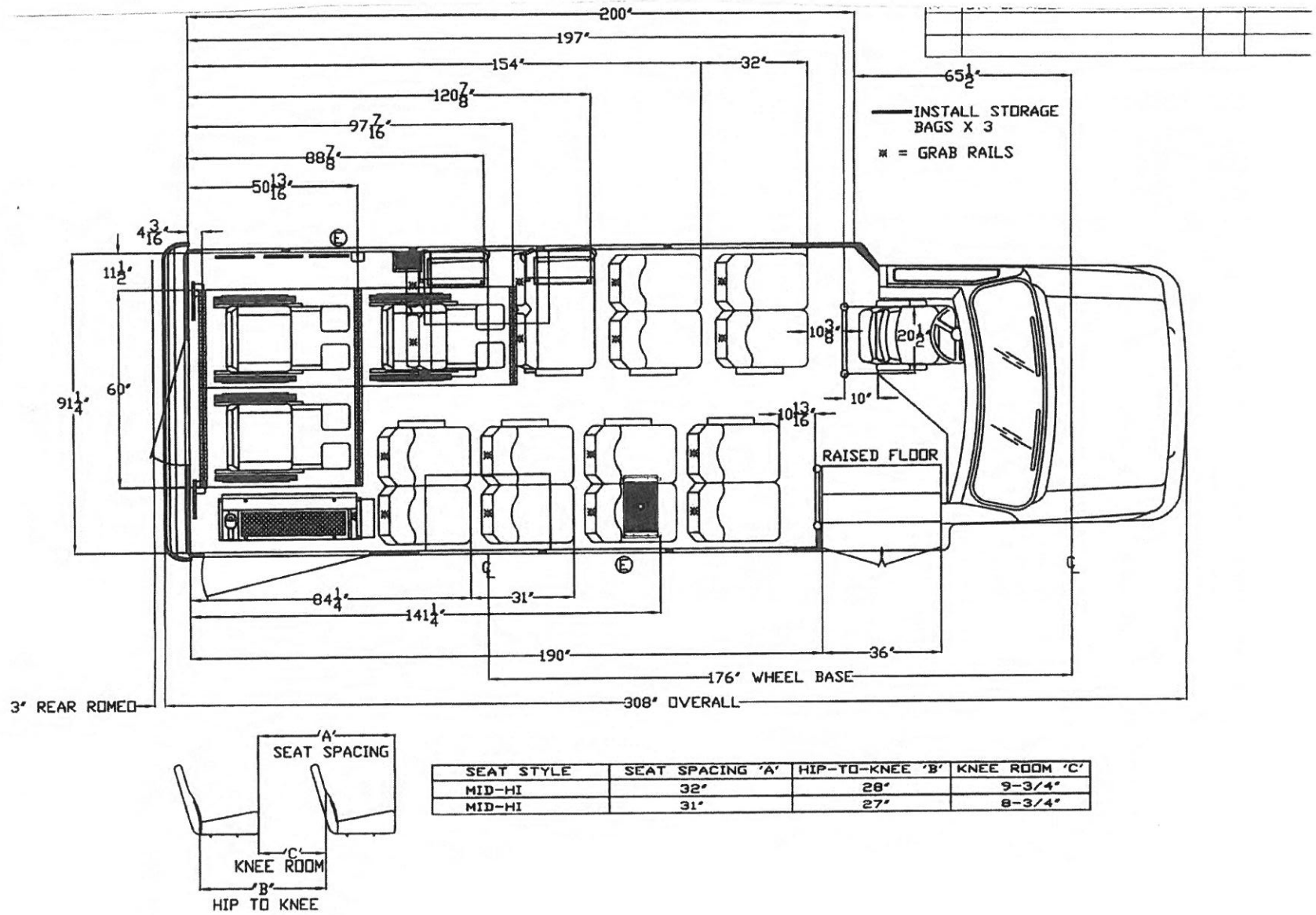
  
Authorized Signature

Executive Vice President

Title

REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles

SEATING DIAGRAMS



**REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles**

**REQUIRED BID DOCUMENTATION CHECKLIST**

Model Year: 2015 Model: Elkhart Coach ECII

Manufacturer: Elkhart Coach

**Mandatory Bid Forms-must be submitted with bid**

- X Bid form 1 LOCATION(S) OF THE TECHNICAL SERVICE REPRESENTATIVE(S)
- X Bid form 2 CERTIFICATION FOR AIR POLLUTION
- X Bid form 3 DISADVANTAGED BUSINESS ENTERPRISE VENDORS/ MANUFACTURERS CERTIFICATION
- X Bid form 4 BUY AMERICA CERTIFICATION ROLLING STOCK
- X Bid form 5 FEDERAL MOTOR VEHICLE SAFETY STANDARDS CERTIFICATION
- X Bid form 6 U.S. COMPTROLLER'S DEBARMENT LIST CERTIFICATION
- X Bid form 6A CERTIFICATION OF PRIMARY PARTICIPANT REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS
- X Bid form 7 VENDOR'S CERTIFICATION OF UNDERSTANDING AND ACCEPTANCE
- X Bid form 8 CERTIFICATION OF COMPLIANCE WITH FTA'S BUS TESTING REQUIREMENTS
- X COPY OF RELEVANT BUS TESTING REPORT- 3.5 STURAA TEST- 4 Years;  
3.13.1g Water Testing- details of process; 3.15 Seating Diagram- provide proposed seating diagram
- X Bid form 9 CERTIFICATION OF RESTRICTIONS ON LOBBYING
- X Pricing page

**Mandatory Documentation-must be submitted within 48 hours of request**

**Section  
Referenced**

- 3.6 Engine: V-10 heavy duty gasoline engine- provide description, warranty, and literature
- 3.6g High Idle System- provide description, warranty, and literature
- 3.6h Engine oil cooler - provide description, warranty, and Literature
- 3.7 Transmission- provide description, warranty, and literature
- 3.7.d Transmission Cooling System- provide description, warranty, and literature

**REQUEST FOR QUOTATION PTR14048**  
**176-186" Wheelbase Transit Vehicles**

- \_\_\_\_ 3.8.1 Heavy Duty Brakes- provide description, warranty, and literature
- \_\_\_\_ 3.8.3 Suspension System- provide description, warranty, and literature
- \_\_\_\_ 3.8.4a Tire Information- provide description, warranty, and literature
- \_\_\_\_ 3.9 Electrical System- provide description, warranty, and literature
- \_\_\_\_ 3.9.1 Alternator- specify the rectifier, method of installation, provide warranty and literature
- \_\_\_\_ 3.9.2 Batteries- specify type and capacity
- \_\_\_\_ 3.9.3 d,e,k Exterior Lights -LED Lights- provide description, warranty, and literature
- \_\_\_\_ 3.9.3 Exterior lighting products- provide description, warranty, and literature
- \_\_\_\_ 3.9.4a Interior Lights- provide description/details
- \_\_\_\_ 3.9.6a Rear Alarm- provide description, warranty, and literature
- \_\_\_\_ 3.9.6c Backup camera- provide description, warranty, and literature
- \_\_\_\_ 3.9.6d Security camera system
- \_\_\_\_ 3.9.7 Fuse box panel- provide description/details
- \_\_\_\_ 3.10.1a Heating System- provide description, warranty and literature
- \_\_\_\_ 3.10.1b Stepwell Heater- provide description, warranty and literature
- \_\_\_\_ 3.10.1c Auxiliary Heaters- provide description, warranty and literature
- \_\_\_\_ 3.10.2 A/C Cooling System- provide description, warranty and literature
- \_\_\_\_ 3.10.2b A/C Compressor- provide description, warranty and literature
- \_\_\_\_ 3.10.2c A/C Condenser Information- provide description, warranty and Literature
- \_\_\_\_ 3.10.2e Driver's Evaporator- provide description, warranty and literature
- \_\_\_\_ 3.10.2e A/C Hose System- provide description, warranty and literature
- \_\_\_\_ 3.11 Roof Hatch- provide description, warranty and literature
- \_\_\_\_ 3.12.1 Control Panel Location- submit details
- \_\_\_\_ 3.12.1 Circulation Fan- provide description, warranty and literature
- \_\_\_\_ 3.13.1 Body Construction- provide description of body construction including materials, methods of joining and assembling components or subassemblies and method of attachment of the body to the chassis, warranty and literature
- \_\_\_\_ 3.13.2b Provide proof that skirt panel seams below floorline will be placed

**REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles**

only above wheel wells or adjacent to A/C skirt condenser

- \_\_\_\_\_ 3.13.4e Door Operating Mechanism- provide description/ details
- \_\_\_\_\_ 3.13.5a Sample of Flooring- provide colors per specifications, warranty and literature
- \_\_\_\_\_ 3.13.5e Sample of Contrast Flooring- provide color per specifications, warranty and literature
- \_\_\_\_\_ 3.13.6 Insulation- provide proof of insulation requirement per spec.
- \_\_\_\_\_ 3.13.7a Bumpers- provide description, warranty and literature
- \_\_\_\_\_ 3.14 Lift- provide details, model #, warranty and literature. Provide information and literature that lift will meet the NHTSA platform lift requirements.
- \_\_\_\_\_ 3.14g Interlock System- provide description, warranty and literature
- \_\_\_\_\_ 3.15a Passenger Seats- provide a detailed description, warranty and literature for all proposed seating, including flip up seats, child restraint seat- and ABS Knee Saver backs
- \_\_\_\_\_ 3.15b Under Seat Retractor System- provide description, warranty, literature and FMVSS 210 Report Certification
- \_\_\_\_\_ 3.15e Child safety latch
- \_\_\_\_\_ 3.15f Child Restraint Seat (ICS)
- \_\_\_\_\_ 3.15i Driver's Seat- provide description, warranty and literature
- \_\_\_\_\_ 3.16 Mobility Aid Securement- provide details of proposed system, warranty, and literature
- \_\_\_\_\_ 3.20a Exterior Mirrors- provide description, warranty and literature
- \_\_\_\_\_ 3.21 Radio/CD Stereo- provide description, provide warranty and literature
- \_\_\_\_\_ 3.24 Undercoating/Rust proofing- provide description, warranty, literature and application process
- \_\_\_\_\_ 3.25 Interior and Exterior Color Schemes- provide details of schemes available
- \_\_\_\_\_ 3.25e Paint Scheme- provide sample of vinyl chart to be used
- \_\_\_\_\_ 3.27 Strobe Light-provide description, warranty, and literature; Fixed Route Package- provide description, warranty and literature; PA System- provide description, warranty and literature; Passenger Signaling System- provide description, warranty and literature
- \_\_\_\_\_ 5.2 Items in sections a-l provide proof of compliance
- \_\_\_\_\_ 6.1 Warranty on completed vehicle
- \_\_\_\_\_ 6.2 Warranty on Basic Vehicle Structure



**REQUEST FOR QUOTATION PTR14048  
176-186" Wheelbase Transit Vehicles**

- \_\_\_\_\_ 6.3 & 7.40f      Warranty Locations- A description of how and by whom warranty service will be provided in four (4) areas of WV to cover both Mechanical and body work. Provide vendor who will do warranty of both chassis and body, including bus body, air conditioning and wheelchair lifts. Four areas of WV include: Northern Panhandle, Eastern Panhandle Central WV and Southern WV
- \_\_\_\_\_ 6.4      Warranty per specs on subsystems and components
- \_\_\_\_\_ 7.1      Complete (2) bids in binder form – (1) Marked for WVDPT
- \_\_\_\_\_ 7.36      Training- submit letter of understanding to the terms in this section
- \_\_\_\_\_ 7.40a      Complete Mechanical Description of Vehicle, its construction and equipment including manufacturer's model, model name and/or number and model year Include Warranty Information
- \_\_\_\_\_ 7.40b      Proposed Floorplan
- \_\_\_\_\_ 7.40c      Curb Weight (empty weight and Gross Vehicle Weight Rating (GVWR) of vehicle
- \_\_\_\_\_ 7.40f      Location of nearest depot which will furnish a complete supply of parts and components for the repair and maintenance of the vehicle to be supplied
- \_\_\_\_\_ 7.40g      Description of the undercoating/rust proofing system, including warranty to be provided.
- \_\_\_\_\_ 7.40h      Location of assembly
- \_\_\_\_\_ 7.40i      List of five users names, addresses and telephone numbers to whom who have been provided similar equipment
- \_\_\_\_\_      No Debt Affidavit
- \_\_\_\_\_      Pricing page

REQUEST FOR QUOTATION  
PTR14048 176-186" Wheelbase Transit Vehicles

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Item Description	Unit Price Per Vehicle	Estimated Quantity	Total Price for Bid Evaluation
176-186" Cutaway Bus with Three (3) Wheelchair Securements	\$75,886.00	2	\$151,772.00

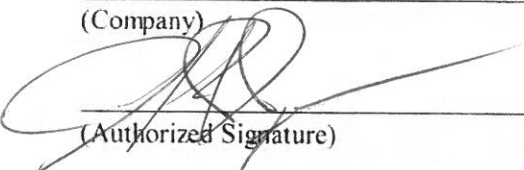


**CERTIFICATION AND SIGNATURE PAGE**

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

Transportation Equipment Sales Corp.

(Company)

  
(Authorized Signature)

Jeffrey P. Pappas / Executive Vice President

(Representative Name, Title)

800-227-3572

(Phone Number)

419-836-8460

(Fax Number)

08/05/2014

(Date)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: PTR14048**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

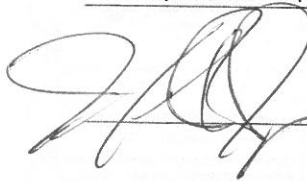
(Check the box next to each addendum received)

- |   |  |
|---|--|
| <input checked="checked" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2                   | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3                   | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4                   | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5                   | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Transportation Equipment Sales Corp.

Company



Authorized Signature

8/5/2014

Date

**NOTE:** This addendum acknowledgement should be submitted with the bid to expedite document processing.



## **Addendum(s)**



State of West Virginia  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Post Office Box 50130  
Charleston, WV 25305-0130

## Solicitation

NUMBER
PTR14048

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
BETH COLLINS 304-558-2157

### RFQ COPY

#### TYPE NAME/ADDRESS HERE

Transportation Equipment Sales Corp.  
6401 Seaman Rd.  
Oregon, OH 43616

V  
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#### DIVISION OF PUBLIC TRANSIT

BUILDING 5, ROOM 906  
1900 KANAWHA BOULEVARD, EAST  
CHARLESTON, WV  
25305-0432 304-558-0428

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DATE PRINTED
07/17/2014

BID OPENING DATE: 08/07/2014

BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO.01						
THIS ADDENDUM IS ISSUED TO MODIFY THE ORIGINAL SOLICITATION PER THE ATTACHED DOCUMENTATION.						
0001	2	EA		557-05	\$75,886.00	\$151,772.00
176-186" WHEELBASE CUTAWAY BUSES WITH 3 W/C SPACES						
***** THIS IS THE END OF RFQ PTR14048 ***** TOTAL:						\$151,772.00

SIGNATURE	TELEPHONE	DATE
	800-227-3572	8/05/2014
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
Executive Vice President	34-1029900	

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

## SOLICITATION NUMBER: PTR14048

### Addendum Number: 01

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The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

#### Applicable Addendum Category:

- ☒ Modify bid opening date and time
- ☐ Modify specifications of product or service being sought
- ☒ Attachment of vendor questions and responses
- ☐ Attachment of pre-bid sign-in sheet
- ☐ Correction of error
- ☒ Other

#### Description of Modification to Solicitation:

This addendum is issued for the following reasons:

- \*The bid opening date will change to August 7, 2014 at 1:30 PM, EST.
- \*To provide answers and clarifications to vendor submitted questions.

**Additional Documentation:** Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

#### Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

## ATTACHMENT A

## DIVISION OF PUBLIC TRANSIT RESPONSES TO TECHNICAL QUESTIONS

### PTR14048 – 176"-186" wheelbase cutaway vehicles with 3 wheelchair spaces

1. Request Referencing page 19, Section 3.1, Please accept that the rear A/C equipment specified (TA73 evaporator, SMC3L condenser, dual compressors) will provide 70K BTU when combined with the front system.  
Response Accepted
2. Request Referencing page 21, Section 3.5, Please accept the bus being offered has been STURRA tested for 7 years and not 4 years.  
Response Accepted
3. Request Referencing page 24, Section 3.9.3, Please accept the exterior lights will be manufactured by Maxxima.  
Response Accepted
4. Request Referencing page 26, Section 3.9.4, Please accept the interior LED lights will be manufactured by Maxxima.  
Response Accepted
5. Request Referencing page 30, Section 3.13.b, Please accept the steel components will be treated with grey self etching primer from Nanochem in lieu of Zinc Chromate paint.  
Response Accepted
6. Request Referencing page 32, Section 3.13.4, Please accept the tread depth for the ambulatory entry will be 8.5" for raised floor bus.  
Response Accepted
7. Request Referencing page 33, Section 3.13.4.i, Please accept the clear opening for the lift door will be 46" and will not impede operation of the lift platform.  
Response Denied-opening must be minimum 48" to accommodate mobility devices.
8. Request Referencing page 33, Section 3.13.5, Please accept that the rubber flooring will be smooth under the seats and ribbed in the tie down area, aisle, and steps.  
Response Accepted



9. Request Referencing page 44, Section 3.27, Please accept Twin Vision Mobilite front and side destination signs as equal to specifications. Brochure provided. Sizes will be as specified, 14 x 108 and 14 x 72.

Response Accepted

10. Request Referencing page 45, Section 3.27, Please accept that the touch tape for the stop request system will activate a chime not a buzzer.

Response Accepted

11. Request Referencing page 45, Section 3.27, Please accept the fare box prewire will be at the stanchion next to the dash/entry door and not at the driver's shoulder. Specs call for it to be in both locations.

Response Accepted

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: 01**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

<input checked="" type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input type="checkbox"/> Addendum No. 2	<input type="checkbox"/> Addendum No. 7
<input type="checkbox"/> Addendum No. 3	<input type="checkbox"/> Addendum No. 8
<input type="checkbox"/> Addendum No. 4	<input type="checkbox"/> Addendum No. 9
<input type="checkbox"/> Addendum No. 5	<input type="checkbox"/> Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

\_\_\_\_\_  
 Transportation Equipment Sales Corp.  
 Company

 \_\_\_\_\_  
 Authorized Signature

\_\_\_\_\_  
 8/05/2014  
 Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.  
 Revised 6/8/2012

# **Specifications, Floor Plans & Brochures**

Qty	Item #	Description
<b>2015 Ford E450 (GVWR: 14,500 WB: 186 Engine: 6.8L)</b>		
1	TL06	Custom Graphics - Per WV Specs
1	TSPEC01	Chassis Service & Parts Manuals
1	Special-1	Chassis - Two Ambulance Style Cooling Ports Installed on Hood
1	Special-35	Manuals - As Built - Bus Body Only
1	014-002	Back-up alarm
1	013-001	Front Mud Flaps
1	002-002	Route Exhaust to Streetside- Gas Engines
1	006-001	Driver Side Diamond Plate Running Board
1	Special-3	Batteries - SS Battery Box w/ SS Slide Out Tray
1	020-001	Valve Extension
1	022-001	Jack- 6 Ton w/4-Way Lug Wrench
1	018-001	Spare Tire & Wheel
1	Special-5	Bumper - SMI Ready Energy Absorbing Bumper
1	025-003	Mor/Ryde - Rear (Ford E450)
1	030-006	Aluminum Underbelly
1	030-001	Raised Flat Floor
1	Special-7	Step Nosing to be Yellow RCA Abrasive Talon Tread
1	Special-6	Flooring - GerFloor Tarabus Sirius NT
1	033-003	FRP on Ceiling
1	Special-9	Doors - Drip Rail for Top of Lift Door
1	Special-8	Doors - Clip to hold Overhead Storage Door Open
1	037-008	Electric Powered Entry Door, 36" Width
1	037-010	Key Switch for Electric Entry Door
1	037-001	Door- Hold Open, Cam-Over Style Location:
1	037-012	Rear Door, (2) Windows & Door Ajar Pkg & Buzzer
1	038-007	Rear Twin Window
1	038-003	Additional Egress Window IPO Standard (1)
1	039-004	Roof Hatch- Low Profile Econo Safety Vent, (Transpec #1975)
1	039-001	Circulating Fan
1	040-008	Stepwell - Front Heated - Per Step, Electric w/Switch
1	040-002	Heater- 35K BTU Rear
1	040-003	Heater- 35K BTU Rear w/Circulating Pump
1	041-048	A/C TA733 Super 70K BTU Dual Comp 6.8L Gas
1	Special-37	Mobilite Front & Side Signs w/ OCU
1	042-003	Rack - Interior Ad, J Molding, Lights (N/A w/Overhead Luggage)
1	Special-36	Manual - Wiring as Built - Base Bus Body Only - CD
1	045-001	Electrical Schematic - Laminated Electric Legend on Elec. Door
1	Special-10	ROSCO Smart Vision Back-Up Camera
1	Special-43	REI Bus Watch w/ 6 Cameras
1	048-012	Radio - Sony AM/FM/CD/Clock w 4 SPeakers & PA w/ 1 Ext. Speaker
1	048-008	Speaker - 2 Extra (Each) Location:
2	049-034	LIGHT - INTERIOR LED 4" GRAY COURTESY, (1) ADD'L
1	049-033	LIGHT - UPGRADE INTERIOR 4" COURTESY LIGHTS TO LED, INCLUDES ALL 4" COURTESY LIGHTS IN PASS
1	049-036	LIGHT - UPGRADE LIGHT ABOVE LIFT DOOR TO LED IPO STANDARD
5	049-035	LIGHT - UPGRADE EGRESS LIGHTS TO LED, QTY MUST BE PER LIGHT
1	049-037	LIGHT - UPGRADE EGRESS LIGHTS TO LED, QTY MUST BE PER LIGHT
1	049-040	LIGHT - UPGRADE DRIVER'S DOME LIGHT TO LED IPO STANDARD
1	049-038	LIGHT - LED HOODED LIGHT AT ENTRY DOOR
1	049-039	LIGHTS - UPGRADE HOODED LIGHTS BELOW LIFT AND LICENSE PLATE LIGHT TO LED IPO STANDARAD
1	Special-20	Light - Exterior Rear Hazzard Lights to Flash when Lift is Operating

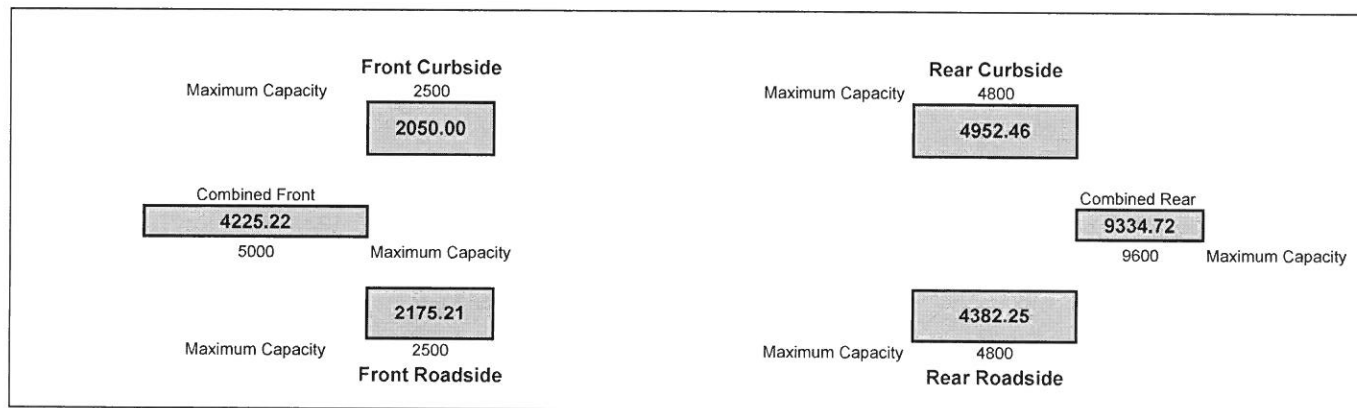
Qty	Item #	Description
1	Special-16	Light - Exterior Transpec Model 7500 Amber Sign "Caution Stopping"
1	049-022	Light - LED, Midship Turn/Marker
1	049-031	Lights-Upgrade Std Incandescent Ext. to LED. Backup,Clearance,Marker
1	049-020	Light - Running Lights, Daytime
1	049-026	Light- Strobe Light, Dbl Flash, Roof Mounted, Clea
1	049-028	Branch Guard for Dbl Flasher Strobe Light
1	Special-39	Prep for Fare Box at Stanchion Next to Driver
2	Special-21	Interior 8.5" x 11" Document Protectors Install on Bulkhead
1	053-001	Overhead Storage - Front Cap, (N/A w/Front Destination Sign)
1	Special-4	Black Rubber Fender Flares IPO Std.
1	028-001	Stainless Steel Stepwell IPO Standard
1	057-001	Rub Rails - Black Rubber
1	058-001	Reflectors - Both Sides of Bus, (Red Rear/Amber F
1	056-001	Fiberglass Exterior Skin -IPO Aluminum
1	Special-22	Stanchions - Add Rubber Fittings at Top & Bottom
1	059-002	Grab Rail- Entrance Parallel to Steps, Both Sides (ADA Required)
5	061-002	Stanchion -Padding 40"-Each Location:
1	059-003	Grab Rail- Ceiling, Includes Yellow Standee Line & Sign
1	061-001	Stanchion -Additional -Each Location:
1	036-002	Modesty Panel - w/Stanchions Location: Behind Driver
1	036-003	Plexiglass Top for Modesty Panel, Tinted
1	036-004	Modesty Panel - Full Height for Use Behind W/C Lift
2	Special-25	Safety - Mylar Disposable Rescue Blanket Sealed Containter
1	Special-23	Safety F.A. Kit WV Specs
1	Special-24	Safety - Bloodbourne Pathogen Protection Kit WV Specs
1	Special-27	Safety - Safety Vest Highly Visible Reflective
2	Special-26	Safety - Wool Blankets
1	Special-42	Full Sized Flash Light w/ Batteries
1	064-002	Fire Extinguisher - 5 LB Cylinder w/Brackett
1	064-003	Triangles - Emergency in Box
1	063-002	Cutter - Seat Belt
1	069-012	Mirrors - Interior Flat, 6"x16"
1	069-019	Rosco Exterior Heated/Remote Mirrors
1	069-013	Mirrors - Interior, Wide Angle lens, 11"x 14"
1	Special-28	Decal - "Caution" Loading & Unloading Passengers - Ship Loose
1	Special-29	Decal - "This Vehicle Stops at All RR Crossings" Ship Loose
1	Special-30	Decal - "Emergency Phone Numbers" 4" High
1	070-007	"Stand Clear of Lift", Black on White Decal
1	070-002	Decal - "Caution Frequent Stops", Black on Yellow
1	070-006	"Priority Seating W/C Area", (ADA Required) Decal
1	070-005	"No Smoking", Red on White Decal
1	070-001	Decal - "All Passengers Are Required to Wear Seat
1	070-010	International Wheelchair Symbol, 9"x9"
1	070-004	Decal - "Emergency Equipment", Red on White
1	070-009	"Watch Your Step" Decal, Mounted on Top Riser
1	070-008	"Vehicle Height" Decal
1	Special-38	Stop Request - Pull Cord Sys. w/ Touch Tape @ W/C
1	077-001	Dbl. W/C Doors w/1 Window Ea., 1 Int. Light, 2 Ext. Lights, Door Ajar Alarm, Extra Axle Leaf Spring
1	073-001	Intermotive Gateway Fast Idle & Interlock
12	Special-34	Q'Straint - Webbing Loop Q5-7580
180	Special-32	Q'Straint - Upgrade L Track to Anodized L Track
8	Special-33	Q'Straint - End Caps

Qty	Item #	Description
3	079-001	Q'Straint Storage Pouch
3	081-011	Sure-Lok AL712S-4C w / LTrack Titan w/ S- Hooks & Dual Retractable
1	082-009	BRAUN - MILLENNIUM NL9173751-2 LIFT, 37" X 51", 46" DOOR, FMVSS403 (front lift requires modesty p
1	Special-44	Braun - Armore Protected Cord for the Control Box
1	Special-41	Driver Power Pedestal
1	086-060	Driver Seat Freedman Shield Recline, RH Armrest
5	086-031	Mid-High Dbl Rigid Seat
2	086-041	Child Seat Latch- CRS-225
1	086-033	Integrated Child Seat, Dbl w/1 Chil Seat Position
2	086-040	Notch Back Dbl 3-Step Seat
1	087-007	Seat Fabric Upgrade to Level 4, (1) Driver Seat
16	087-006	Seat Fabric Upgrade to Level 3.5, (1) Pass Seat
16	088-001	Antivandal Top Grab, FSC, Black (N/A on Hi-Back Seats)
16	097-001	Seat Back - ABS, Mid-High, 1 Seat Position ( N/A on Freedman ICS Seats)
6	098-012	Seat Belt - U.S.R. Amsafe Double Seat 2 Positions
2	098-015	Seat Belt - U.S.R. Amsafe Double 2 Positions
2	098-003	Extension for U.S.R. Seat Belts, 24"



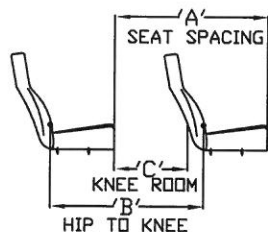
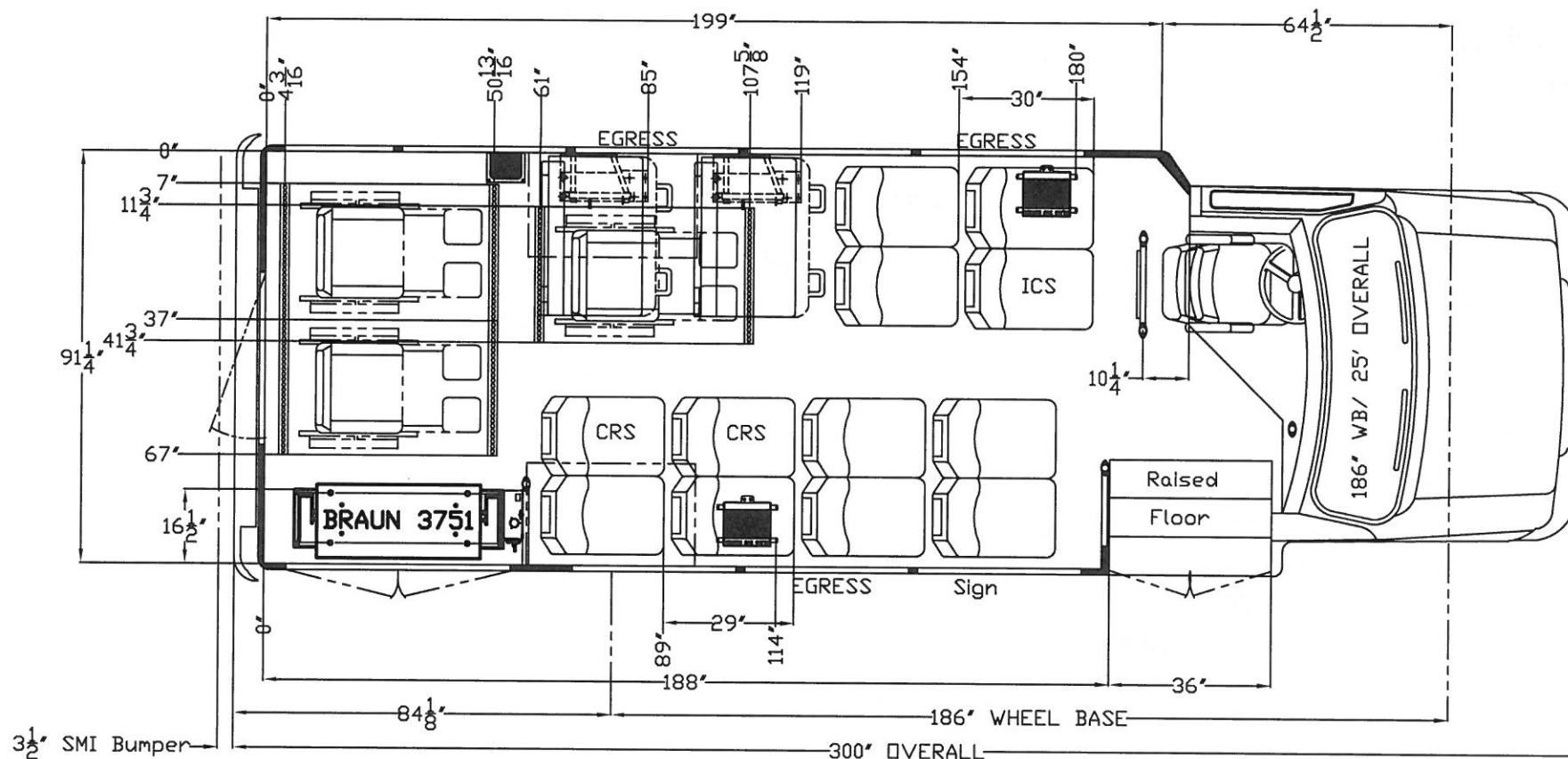
## ELKHART COACH v EIGHT ANALYSIS

INPUT AREAS=						FUEL LOAD ADJ. DATA (F.I.A.)									
VEHICLE DESCRIPTION:		CHASSIS		Quote #		MODEL:		FUEL TYPE:		FUEL CAP.		FUEL WGT PER GAL.			
FLOOR PLAN= 900-05-0821		18p/3wc 186-300		E-450		Q-42-062314-03		ECII E4/186-300/6.8G		Gas		55		6.17	
Reference: 4385															
Date: 7-14-14		WHEELBASE		PER IN. VALUE CALC.		AXLE WEIGHTS				FUEL AMT.		WGT OF FUEL		FUEL ADJ. AMT.	
		186		0.54		LEFT FRONT		RIGHT FRONT		0.13		339.35		-42.42	
AXLE CAPACITIES						1853		1889		FUEL TANK CENTER				DEALER	
FRONT		REAR		TOTAL		LEFT REAR		RIGHT REAR		215				Tesco	
5000		9600		14500		2898		3347							
LEFT (ROADSIDE)						RIGHT (CURBSIDE)									
DISTANCE (IN.)		WEIGHT (LBS.)		% REAR AXLE		FRONT		REAR		DISTANCE (IN.)		WEIGHT (LBS.)		% REAR AXLE	
DRIVER		44		150		23.66%		114.52		35.48				0.00%	
						0.00%		0.00		0.00				0.00%	
2 PASS		91		320		48.92%		163.44		156.56		100		300	
2 PASS		122		300		65.59%		103.23		196.77		131		300	
2 PASS		153		-45		82.26%		-7.98		-37.02		162		320	
2 PASS		184		-45		98.92%		-0.48		-44.52		193		320	
2 PASS		155		300		83.33%		50.00		250.00		236		300	
2 PASS		189		300		101.61%		-4.84		304.84				126.88%	
WC		236		300		126.88%		-80.65		380.65				-80.65	
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Mor Ryde		186		50		100.00%		0.00		50.00		186		50	
Raised Floor		132		28		70.97%		8.13		19.87		132		28	
						0.00%		0.00		0.00				100.00%	
						0.00%		0.00		0.00				0.00%	
						0.00%		0.00		0.00				0.00%	
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Deleted 2 dbl seats. Added More Ryde, Raised Floor.

REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION	REV	DATE	BY	DESCRIPTION
-	-	-	-	-	-	-	-	-	-	-	-



SEAT STYLE	SEAT SPACING 'A'	HIP-TO-KNEE 'B'	KNEE ROOM 'C'
MID-HIGH	30"	28"	10"
MID-HIGH	29"	27"	9"

DEALER SIGNATURE: \_\_\_\_\_

Q-42-062314-03

DO NOT SCALE A	PROJECTION □	DESCRIPTION Floor plan ECCW 186-300 Rear Lift (Braun917) Raised Floor 16P/3WC				52807 County Road 7 ELKHART, IN 46514 (574) 264-5179 A DIVISION OF FOREST RIVER		
	W.I. NUMBER	DATE: 7-14-14	SCALE: N.T.S.	REFERENCE: NUMBER	SHEET 1 OF 1	PART NUMBER <b>900-05-0821</b>		
THIS DOCUMENT AND THE INFORMATION CONTAINED HEREIN ARE THE EXCLUSIVE PROPERTY OF ELKHART COACH. IT SHALL NOT BE COPIED OR DUPLICATED IN ANY MANNER, NOR SHALL IT BE SUBMITTED TO OUTSIDE PARTIES FOR EXAMINATION WITHOUT OUR WRITTEN CONSENT. IT IS LOANED FOR USE WITH REFERENCE TO WORK UNDER CONTRACT WITH, OR PROPOSALS SUBMITTED TO ELKHART COACH.		TOLERANCES UNLESS OTHERWISE SPECIFIED ARE: FLOORPLANS ±1/2" ALL STRUCTURAL ±1/8" ANGLE ±1°		DRAWN BY: NPM		CHECKED BY:		REV <b>A</b>

# EC-II

*Proudly built by Elkhart Coach*



*ec*  
Elkhart Coach

A DIVISION OF FOREST RIVER



## FORD EC-II STANDARDS AND OPTIONS

### STANDARD CHASSIS FEATURES

- Ford E-450 & E-350 DRW Cut-Away Chassis
- Electronic 5-Speed Automatic Transmission
- 55 or 40 Gallon Fuel Tank
- Ford V-10 6.8L Gas Engine
- Ford V-8 5.4L Gas Engine
- OEM Installed Dash Air Conditioning & Heat
- 225 or 155 Amp Alternator
- 138", 158", 176", 186" or 190" Wheelbases
- Heavy Duty Engine Cooling Package
- Chrome Front Bumper & Grill
- 14,500, 12,500 & 11,500 GVWR
- Dual Electric Horns
- Driver Air Bag
- Heavy Duty Suspension
- Power Steering/Brakes
- LT225 / 75RX16E Tires
- Dual 650 CCA Batteries
- Tilt Steering Wheel/Cruise Control
- Dual Beam Headlights

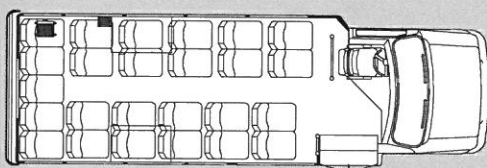
### STANDARD BODY FEATURES

- FMVSS Certified
- STURAA Tested for 7 Years/200,000 Miles
- Insulated Roof & Exterior Walls
- Mor-View Right Side Cab Window
- Smooth Rubber Floor w/ Ribbed-Rubber Aisles
- Rear ABS Fender Flares
- Powder Coated Rear Steel Bumper

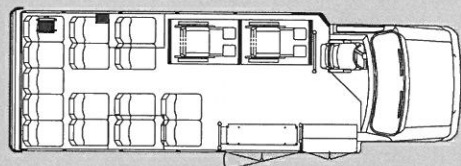
- Rear Mud Flaps
- Entrance Door & Driver Modesty Panels
- All Aluminum Sidewalls and Skirts
- Dual Drive Shaft Guards
- Entry Door Assist Handles
- Fully Welded Unitized Steel Cage Body Structure
- Undercoating
- Swing-A-Way Exterior Flat Mirrors with Integrated Convex Panels
- Drip Rail Over Passenger Windows & Entry Doors
- White or Yellow Step Nosing – All Entry Steps
- Color/Function Coded Wiring Harness
- Laminated Steel Reinforced Composite Construction
- Master Electronic Printed Circuit Control Panel
- Emergency Side Egress Windows
- Stylized ABS Rear Trim
- 91" Interior Width & 77" Headroom
- Large 36" x 36" & 24" x 36" Upper T-Slider Windows
- 22" x 64" Rear Egress Window
- Single Piece Seamless FRP Roof
- Smooth FRP Interior Walls
- FRP Ceiling

### POPULAR OPTIONS

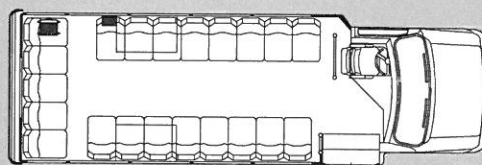
- Rear Heat System
- Front and Side Destination Signs
- Mor/Ryde Suspension
- Individual Reading Lights
- Spare Tire & Wheel
- Interior Luggage Rack
- Interior Convex Mirror
- Back-Up Alarm
- Overhead Luggage Racks
- Exterior Rear Center Mount Brake Light
- Rear Luggage Compartment
- Ceiling Grab Rails
- AM/FM Radio w/ CD Player
- "Flat Floor" (No Wheel Well Risers)
- DVD Player w/ Flip Down Monitor
- Heated/Remote Exterior Mirrors
- High-Back or Mid-High Seats with Armrests
- Front Mud Flaps
- Ground Plane For Two-Way Radio Installation
- Paging System
- Rear Emergency Door with Ajar Package
- LED Interior & Exterior Lighting
- Rear A/C System
- Roof Escape Hatch
- Stainless Steel Wheel Inserts
- ADA Mobility Compliance Package
- All FRP Exterior
- Driver Running Board
- Electric Entry Door



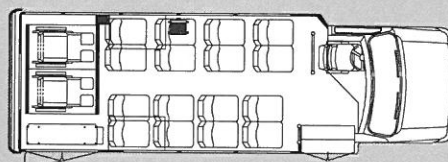
**25 Passenger - Forward Facing Seating**



**15 Passenger - 2 Wheelchairs - Front Lift**



**21 Passenger Perimeter Seating**



**16 Passenger - 2 Wheelchairs - Rear Lift**



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Due to constant product improvements, specifications, component parts and optional equipment are subject to change without notice or obligation. See your dealer for details.

**Luminator**  **TwinVision**

# MobiLite



simplifying **BUS**

The MobiLite electronic destination sign systems provides a cost effective entry-level sign solution that is ideal for small bus fleets. Easy to install and program, this sign system allows users to upgrade from nonprogrammable roller curtain products to more reliable, efficient and programmable electronic sign systems. Destination and Route information can be changed electronically in seconds at the press of a button on the MobiLite System controller (OCU).



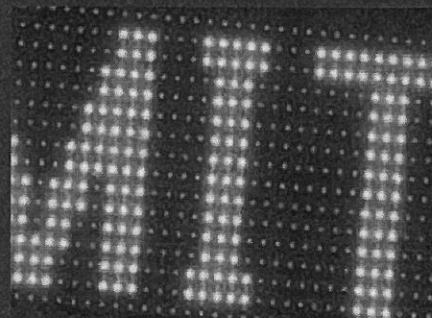
	Configuration	Display Size	Envelope Size	Voltage
<b>Front Sign</b> <b>906-1408-908</b>	<b>14 X 108</b>	<b>42.13 X 4.10</b>	<b>44.90 X 6.85 X 2.45</b>	<b>12V</b>
<b>Side Sign</b> <b>906-1472-908</b>	<b>14 X 72</b>	<b>27.95 X 4.10</b>	<b>30.72 X 6.85 X 2.45</b>	<b>12V</b>
<b>OCU</b>	<b>NA</b>	<b>NA</b>	<b>3.75 X 7.40</b>	<b>12V</b>

### Features

- MobiLite OCU with USB port
- Simple Web-based sign programming tool
- High intensity LEDs with automatic brightness adjustment
- Minimum operating life of 100,000 hours
- Full readability range of 130 degrees
- 12 VDC operation
- ADA-compliant fonts

### Benefits

- Increases reliability due to a solid-state design
- Reduces operating and maintenance costs
- Easy operation of signs and programming software



**Luminator**  **TwinVision**

900 Klein Road  
Plano, Texas 75074  
972-424-6511 ph  
972-881-8940 fax





***EC II Cutaway Bus  
Ford E-350 and E-450 Chassis***

***Construction Specifications***

DESIGNED TO MEET OR EXCEED

FEDERAL SPECIFICATIONS

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**Scope:**

This specification describes a steel cage constructed commercial Para-transit that meets all the requirements of FMVSS Safety and ADA Standards in effect at the time of manufacture. The Para-transit vehicle must also meet the requirements of the state in which it is to be operated.

The Para-transit vehicle must be tested in the 7-year/200,000 mile category at the Altoona Bus Testing Facility in Duncansville, PA and a copy of the full report must be submitted with the bid.

The Para-transit vehicle provided must be built on a Ford commercial cut-away chassis of the current model year with a driver position and equipped without a curbside door, and with the curbside passenger seat and air-bag system deleted.

Any exceptions to these specifications must be noted at the time the bid is submitted:

**Materials:**

All materials used in construction of the Para-transit vehicle shall be new and unused; returned or reconditioned components will not be accepted.

Documents to be submitted with Bid:

- List of the FMVSS Safety Standards that are met by the proposed Para-transit vehicle. This list must include a copy of the actual certification for the following critical safety standards:
- FMVSS 220 Roof Crush (Roll Over) Test
- Detailed vehicle floor plan showing hip-to-knee seat spacing, interior width, location of windows, roof hatch, wheelchair lift, modesty panels and entry door.
- A Four-Point weight analysis shall also be included with the bid demonstrating that the finished Para-transit vehicle will not exceed any axle rating or the total GVWR of the chassis.
- Copy of the full Altoona test for the Para-transit vehicle being proposed.
- Copy of Manufacturer's State License, (where applicable).
- Names and addresses of three current users of the same bus as the one proposed. Information must include contact name and daytime phone number and e-mail address.

**Chassis Specification:**

Current model year Ford Cutaway chassis.

- 14,500 lb GVWR E-450 or 11,500 lb GVWR E-350
- 6.8L V10 Gas engine or 5.4L Gas engine
- 5-speed automatic transmission
- (2) 650 CCA Motorcraft batteries
- Factory Dash A/C, Defroster, and Heat
- 47B Shuttle Bus Package w/engine block heater, front license plate bracket, frame isolators.
- White painted wheels with L225/75R/16E tires. Valve extensions require for the rear inner tires

**Body Specification:****Body Side Wall Framework Construction:**

Vertical Steel 16 Gauge Roll Formed Steel, (nominal dimensions 1" X 2"), and 1" x 2" steel tubing vertical support columns, in conjunction with 1" x 1" steel tubing for both lateral and vertical support.

Vertical support columns equally spaced on standard 38" Max. on-center dimensions.

All non-supporting members, (i.e. window and door frame structures), to be constructed of 16 gauge 1" x 1" and 1" x 2" steel tubing.

Completed sub-assembly of body sidewall structure framework to be thoroughly cleaned and then completely prepped with an EPA approved water soluble based anti-corrosion gray primer prior to lamination process stage outlined below.

**Body Rear Wall Framework Construction:**

Body Rear wall framework is constructed of 16 gauge steel tubing welded together to form the back of the steel cage.

Completed sub-assembly of body rear wall structure framework is thoroughly cleaned and then completely prepped with an EPA approved water soluble based anti-corrosion gray primer prior to lamination process stage outlined below.

**Body Roof Structure Framework Construction:**

Body roof framework is constructed using 16 Gauge hot rolled steel roof bows spaced on standard 27" centers, max.

Individual roof bows are "capped" over the open top of the bow with crimped and welded 16 gauge steel plate, (hat section).

One or two roll bars, (depending upon length of Para-transit vehicle), are fabricated from 7 gauge 1.25" x 1.25" formed steel tubing is incorporated into roof structure to provide additional strength.

Completed sub-assembly of body roof structure framework is thoroughly cleaned and then completely prepped with an EPA approved water soluble based anti-corrosion gray primer prior to lamination process stage outlined below

**Body Floor Structure Framework Construction:**

Steel subfloor is fabricated utilizing cross-members comprised of 14 gauge steel "G" sections with a nominal height of 4.8125" minimum.

Steel sub-floor cross-members are welded to 12 gauge 1" x 3.5" steel C-channel sections forming a unitized solid steel floor framework.

Seat track sections of 12 gauge steel and designed to the OEM seat manufacturers, (Freedman), specifications are securely welded directly to floor and sidewall framework.

Completed sub-assembly of body floor structure framework is thoroughly cleaned and then completely prepped with an EPA approved water soluble based anti-corrosion gray primer prior to assembly to the OEM chassis.

Steel sub floor structure is isolated from the chassis by means of standard Ford OEM supplied elastomeric body isolation mounts. The sub floor is bolted to the OEM chassis frame through the individual body isolation mounts utilizing Ford OEM bolts, nuts and washers. Body isolation mount bolts are tightened to the proper Ford QVM torque specification as specified in the Ford body-builders specification manual. When tightened the body mounts have an approximate thickness of .876" and 1.04" for the top and bottom mounts respectively.

**Body Exterior & Interior Panel Construction:**

Body panels are comprised of both exterior and interior "layered" panels that are vacuum laminated to the body structure framework sub-assemblies, (curbside wall, streetside wall, rear wall and roof structure frameworks).

**Body Panel Construction, (Exterior Walls):**

Exterior wall body panels are comprised of 0.040" thick aluminum panels having baked white gloss enamel finish, (matching exterior color of Ford OEM cab).

Exterior aluminum panels are vacuum laminated to 0.11" luan plywood panels utilizing a moisture cured, high contact urethane adhesive.

**Body Panel Construction, (Interior Walls):**

Interior wall body panels are comprised of 0.046" Fiber-Reinforced-Plastic, (LAMIPLAST), gloss light gray in color. Interior wall body panels are vacuum laminated to 0.11" luan plywood panels utilizing a moisture cured, high contact urethane adhesive.

**Roof Exterior & Interior Panel Construction:**

Roof panels are comprised of both exterior and interior "layered" panels that are vacuum laminated to the roof structure framework sub-assembly.

Exterior roof panel is comprised of a single seamless 0.046 LAMIPLAST panel having an exterior gloss white finish which matches the color of the body's exterior painted aluminum side and rear wall panels, and the exterior color of the Ford OEM cab.

Exterior seamless LAMIPLAST roof panel is vacuum laminated to 0.11" luan plywood panels utilizing a moisture cured, high contact urethane adhesive. (Seams are allowed only at the junction of the front cap and the junction of the rear cap. Any other seams on the exterior of the roof are not permitted).

Interior roof panel is comprised of a single seamless 0.046 LAMIPLAST panel having a standard gloss gray finish matching the color of the body's interior LAMIPLAST rear and side wall panels defined in section 11.5 of this specification.

Interior seamless LAMIPLAST roof panel is vacuum laminated to 0.20" luan plywood panels utilizing a moisture cured, high contact urethane adhesive.

**Final Stage Body Construction:**

All cavities and voids present in the structure framework of the body sidewall and rear wall sub-assemblies are completely filled with 1.063 thick high-density beadboard insulation. The roof sub-assembly is completely filled with 1.75 thick high-density beadboard insulation. All sub-assemblies are filled prior to the final vacuum lamination of the interior and exterior body and roof panels to their respective body structure framework.

The 1.063 high density beadboard insulation, when combined with the 0.11" thickness of the exterior and interior luan plywood panels, provides an insulating value of R-7.28 for the roof & R-4.15 for the side and rear wall sub-assemblies.

Exterior and interior side wall panels are vacuum laminated to the steel structure framework of the individual body panels, side and rear wall and roof sub-assemblies utilize a moisture cured, high contact urethane adhesive.

Finished laminated body sidewalls, rear wall and roof sub-assemblies are welded to the chassis mounted body floor structure framework, thus providing a complete unitized body with integrated steel superstructure.

All exterior seams and joints are thoroughly caulked utilizing SIKAFLEX 521 structural adhesive caulking to ensure a complete watertight seal of the body.

All interior seams and joints are thoroughly caulked utilizing BONDAFLEX SIL 100 silicone caulking to ensure a complete watertight seal of the body.

Front cap is comprised of gel-coated fiberglass. Rear cap is comprised of ABS plastic with a Corad film for UV protection.

**Sub-Flooring**

Flooring is 5/8" thick exterior grade plywood.

Floor covering is gray transit quality rubber extending to the seat track on the walls. The aisle (and W/C tie down areas if applicable) and entry steps are ribbed rubber. The rubber under the seats will be smooth matching.

**Body Dimensions:**

Exterior width: 102.25" Maximum at the wheel wells excluding mirrors.

Interior Width: 90" Minimum

Interior Height: 75" Minimum

Exterior Height: 117" Maximum

Exterior Length: 275" Maximum

Rear Overhang: Less than 33% of the overall bus length.

**Passenger Seats:**

Minimum 26" Hip-to-Knee space.

Minimum Aisle: 16"

Seats must be installed in 12 gauge steel seat track that is welded to the steel cage of the sidewalls and to the steel sub floor.

Passenger seats are Freedman Seating Co. forward facing mid-high seats, Featherweight style with rigid seat backs.

Freedman mid high, aisle facing, double flip seat is required in the driver side rear.

Non-retractable lap seat belts are to be provided for all passengers.

Anti-Vandal top grabs required on each aisle seat. Color to be yellow.

**Driver Seat:**

Freedman Hi Back recliner with lumbar support and right side arm rest

**Passenger Entry:**

Entry door shall be a two panel electric door with full-length tempered glass windows.

Door and door header mechanism shall be manufactured by A & M Door Systems Inc.

Clear entry door dimensions shall be a minimum of 29" wide by 80" high. Exterior key switch is required  
Stepwell to be stainless steel

**Air Conditioning and Heat:**

Front air conditioning and heat is Ford standard – 15,000 BTU/Hour

Rear Air Conditioning to be a Trans-Air ® system rated at 75,000 BTU/Hour.

Hose will be of the "Quick Click" type.

System will have dual compressors.



Rear Heater to consist of one (1) 35,000 BTU/Hour hot water type heater.

**Electrical System:**

Breaker box for the Para-transit vehicle body to be located above the driver door in an ABS non-conductive vacuum formed back plane with access door.

A programmable, plug and play microprocessor controlled printed circuit master control board utilizing ground signal circuit activation. Also incorporates a LED light indicating when each circuit is activated to simplify troubleshooting.

Manual reset circuit breakers are used versus automatic reset circuit breakers to prevent oversight of a recurring electrical fault.

Battery cables are 2 gauge on gas. Each cable is color coded, red positive, black negative and grounded to frame. An additional chassis frame to body frame ground is added to eliminate possible poor grounding issues.

Battery box with slide out tray to be provided

Wiring is color coded and labeled, (not numbered), for function and complies with all the requirements of the Society of Automotive Engineers (SAE Standards).

The wiring harness utilizes AMP "Mate-N-Lok II" connectors.

The harness supplying the rear brake, turn, back up and license plate light utilizes an extruded, molded pigtail manufactured by Hermac. Tail light harnesses are manufactured using Ford OEM terminals and connectors with no splices.

Door ajar systems utilize automotive grade non-contacting magnetic switches instead of a mechanical plunger switches used by other manufacturers. These eliminate future adjustments and mechanical failures.

**Windows:**

Tempered Top-T Slider windows are standard in passenger cabin.

Passenger windows are 36" wide and 36" high. One smaller window is allowed on each sidewall to accommodate certain floor plans.

Egress windows are provided in sufficient numbers to comply with all FMVSS requirements. Rear wall to have extra large egress window.

Side windows tinted 20% gray density with 31% light transmission

**Interior Specifications:**

Modesty Panels behind entry door and driver seat are grey padded vinyl.

Interior walls and ceiling are light gray padded vinyl.

All transition pads and the driver area are covered with grey padded vinyl.

6' x 16" flat mirror above driver seat

**Exterior Specifications:**

Rosco left and right side exterior mirrors. Euro Style

**Lighting:**

Exterior rear stop/tail and turn lights to be LED. Mid ship turn marker lights required. Clearance and marker lights required. Clear back up lights required.

Led center brake light required.

Interior lights to be incandescent and mounted in transition pads located at ceiling/sidewall interface.

Red interior lights to be located above each egress window.

**Para-transit Equipment:**

Passenger entryway grab rails parallel to entry steps and compliant to ADA regulation.

Two \*(2) over head full length grab rails above aisle in passenger cabin

Braun Vista W/C Lift meeting the requirements of FMVSS 403 and installed in accordance with FMVSS 404. Platform to be 33" x 51". Install on curb side, behind the rear axle

Double W/C Door with windows same height as passenger windows, (all lighting requirements to be provided as required per ADA regulations).

Intermotive combination interlock and fast idle

There will be two tie down positions on the rear wall adjacent to the lift. Each is to include:

- FF627S-4C tie down belts
- FE200868 Lap/Shoulder Belt
- There is to be L track on the floor sufficient to meet ADA regulations and, in addition, there is to be (2) 18" strips of L track, one on the wall and one on the floor per tie down position
- Storage pouch on wall

ADA Decals and signage including Priority Seating to be provided as required per ADA regulations.

**Exterior Finish and Paint:**

The exterior body will match Ford white on the chassis.

**Miscellaneous Equipment:**

- Front and rear mud flaps
- Roof hatch
- Back up alarm
- AM/FM/CD radio, Sony
- Largest possible storage above windshield with hinged door
- 10 unit First Aid Kit
- 5 lb Fire Extinguisher
- Reflective triangles in box
- Belt Cutter

**Warranty:**

Body warranty of 2 year or 24,000 miles parts and labor. Structural warranty of 6 year or 72,000 miles.

The major subcomponents, including but not limited to, the Wheelchair Lift, the Wheelchair Tie Downs, the Passenger and Driver seats, and the rear Air Conditioning Systems will be warranted by the manufacturer of that component. Detailed Warranty coverage for these individual components is provided with each Para-transit vehicle.

Chassis Warranty is provided by Ford and is standard OEM warranty.



## ELECTRICAL SPECIFICATIONS

Breaker box for the Para-transit vehicle body located above the driver door in an ABS non-conductive vacuum formed tub with door.

A microprocessor controlled printed circuit master control board with no electrical relay type switches. Contains red LED's to indicate each circuit's status. When a switch or other devices is activated, the LED lights up.

Manual reset circuit breakers with red indicator light when breaker must be reset

Wiring is color coded and labeled, (not numbered), for function and complies with all the requirements of the Society of Automotive Engineers (SAE Standards).

The wiring harness utilizes AMP "Mate-N-Lok II" connectors where possible . Some connections are made using Molex pre-insulated terminals which are ratchet non-release type connections. Connections made inside the partially completed vehicle are done using a Stak-on crimping too. All connections are tested after installation

The wiring is protected by Empire, Inc. plastic loom

The harness supplying the rear lights utilizes an extruded, molded heavy duty jacketed GXL cable which hermetically seals the wires, terminals and each connection point

Body switches located in switch pod on engine cover. Switch function is denoted on each switch. Switches are backlit using incandescent lightbulb



## STRUCTURAL SPECIFICATIONS

### **Body Side Wall Framework Construction:**

Vertical Steel 16 Gauge Roll Formed Steel, (nominal dimensions 1" X 2"), and 1" x 2" steel tubing vertical support columns, in conjunction with 1" x 1" steel tubing for both lateral and vertical support.

Vertical support columns equally spaced on standard 38" Max. on-center dimensions.

All non-supporting members, (i.e. window and door frame structures), constructed of 16 gauge 1" x 1" and 1" x 2" steel tubing.

Completed sub-assembly of body sidewall structure framework are thoroughly cleaned and then completely prepped with an EPA approved water soluble based gray primer prior to lamination process stage outlined below.

### **Body Rear Wall Framework Construction:**

Body Rear wall framewor constructed of 16 gauge steel tubing welded together to form the back of the steel cage.

Completed sub-assembly of body rear wall structure framework is thoroughly cleaned and then completely prepped with an EPA approved water soluble based gray primer

### **Body Roof Structure Framework Construction:**

Body roof framework constructed using 16 Gauge hot rolled steel roof bows spaced on standard 26" centers, max.

Individual roof bows are "capped" over the open top of the bow with crimped and welded 16 gauge steel plate, (hat section).

One or two roll bars, (depending upon length of Para-transit vehicle), fabricated from 7 gauge 1.25" x 1.25" formed steel tubing is incorporated into roof structure to provide additional strength.

Completed sub-assembly of body roof structure framework is thoroughly cleaned and then completely prepped with an EPA approved water soluble based gray primer prior to lamination process stage outlined below

### **Body Floor Structure Framework Construction:**

Steel subfloor fabricated utilizing cross-members comprised of 12 gauge steel "G" sections with a nominal height of 4.5" minimum.

Steel sub-floor cross-members are welded to 12 gauge 1" x 3.5" steel C-channel sections forming a unitized solid steel floor framework.

Seat track sections of 12 gauge steel and designed to the OEM seat manufacturer's, (Freedman), specifications are securely welded directly to floor and sidewall framework.

Completed sub-assembly of body floor structure framework is thoroughly cleaned and then completely prepped with an EPA approved water soluble based gray primer prior to assembly to the OEM chassis.

Steel sub floor structure is isolated from the chassis by means of standard Ford OEM supplied elastomeric body isolation mounts. The sub floor is bolted to the OEM chassis frame through the individual body isolation mounts utilizing Ford OEM bolts, nuts and washers. Body isolation mount bolts are tightened to the proper Ford QVM torque specification as specified in the Ford body-builders specification manual.

Wheelwells are two piece design of welded 11 gage steel

### **Body Exterior & Interior Panel Construction:**

Body panels comprised of both exterior and interior "layered" panels that are vacuum laminated to the body structure framework sub-assemblies, (curbside wall, streetside wall, rear wall and roof structure frameworks).

Exterior wall body panels comprised of 0.040" thick aluminum panels having baked white gloss enamel finish, (matching exterior color of Ford OEM cab).

Exterior aluminum panels vacuum laminated to 0.11" lauan plywood panels utilizing a moisture cured, high contact urethane adhesive.

Front cap and transition pieces are molded, gel-coated fiberglass. Rear cap pieces are composit material

Interior wall body panels comprised of 0.040" Fiber-Reinforced-Plastic, (FRP), gloss light gray in color. Interior wall body panels to be vacuum laminated to 0.11" lauan plywood panels utilizing a moisture cured, high contact urethane adhesive.

### **Roof Exterior & Interior Panel Construction:**

Roof panels comprised of both exterior and interior "layered" panels that are vacuum laminated to the roof structure framework sub-assembly.

Exterior roof panel comprised of a single seamless 0.040 FRP panel having an exterior gloss white finish which matches the color of the body's exterior painted aluminum side and rear wall panels, and the exterior color of the Ford OEM cab.

Exterior seamless FRP roof panel vacuum laminated to 0.11" lauan plywood panels utilizing a moisture cured, high contact urethane adhesive. (Seams are allowed only at the junction of the front cap and the junction of the rear cap.).

Interior roof panel comprised of a single seamless 0.040 FRP panel having a standard gloss gray finish matching the color of the body's interior FRP rear and side wall panels

Interior seamless FRP roof panel vacuum laminated to 0.2" lauan plywood panels utilizing a moisture cured, high contact urethane adhesive.

## **Final Stage Body Construction:**

All cavities and voids present in the structure framework of the body sidewall, rear wall and roof sub-assemblies are completely filled with 1.063 lb, high density beadboard insulation of the proper thickness, prior to the final vacuum lamination of the interior and exterior body and roof panels to their respective body structure framework.

Exterior and interior side wall panels are vacuum laminated to the steel structure framework of the individual body, side and rear wall sub-assemblies utilizing a moisture cured, high contact urethane adhesive.

Finished laminated body sidewalls, rear wall and roof sub-assemblies are welded to the chassis mounted body floor structure framework, thus providing a complete unitized body with integrated steel superstructure.

All exterior and interior seams and joints are thoroughly caulked utilizing MS35 structural adhesive caulking to insure a complete watertight seal of the body.

Fender flares and caps are secured to the bus body using stainless steel screws treated with anti-corrosion material which will be exposed on the finished bus

Front cap is comprised of gel-coated fiberglass. Rear cap is comprised of ABS plastic with a Corad film for UV protection.

## **Standard Entry Door Steps**

Sidewalls are constructed of 14ga steel

Steps are constructed of 11ga steel

Primed with gray self-etching primer

## **Rear and Wheelchair Doors**

### **Door panel materials:**

1 3/16" EPS Foam, 1 1/8" x 1 1/8" aluminum tubing and 2.7mm Luan core laminated together with overlaments of .060 plastic interior skin and .030 aluminum exterior skin. Panel and opening are trimmed with 400 Series aluminum.

### **Structural framing of opening:**

1" x 2" x 16ga steel tubing

1" x 1" x 16ga steel tubing

11ga Wheelchair Door Jamb Assemblies (wheelchair door only)

## **Dimensions**

Exterior width 93 1/2" when measured from sidewall to sidewall

Exterior height 113 1/2" standard floor, 115 1/2" raised floor

Interior width 91 1/4" when measured from sidewall to sidewall

Interior height 77" standard floor, 75" raised floor

Passenger entry ground to first step 11 1/2" to 12 1/2"

Passenger entry step depth 11" standard floor, 8 1/2" raised floor

Passenger entry step riser 9" standard floor, 7 1/2" raised floor



# **Testing & Compliance**

**STURAA TEST**

**7 YEAR**

**200,000 MILE BUS**

**from**

**ELKHART COACH  
DIVISION OF FOREST RIVER INC.**

**MODEL ECII 186/313**

**DECEMBER 2005**

**PTI-BT-R0516**

**PENNSTATE**



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**The Pennsylvania Transportation Institute**

201 Research Office Building (814) 865-1891  
The Pennsylvania State University  
University Park, PA 16802

**Bus Testing and Research Center**

2237 Old Route 220 N. (814) 695-3404  
Duncansville, PA 16635

## EXECUTIVE SUMMARY

Elkhart Coach submitted a model ECII 186/313, diesel-powered 19 seat (including the driver) 26-foot bus, for a 7 yr/200,000 mile STURAA test. The odometer reading at the time of delivery was 095.0 miles. Testing started on September 13, 2005 and was completed on December 9, 2005. The Check-In section of the report provides a description of the bus and specifies its major components.

The primary part of the test program is the Structural Durability Test, which also provides the information for the Maintainability and Reliability results. The Structural Durability Test was started on September 22, 2005 and was completed on November 29, 2005.

The interior of the bus is configured with seating for 19 passengers including the driver and one wheel chair position. Free floor space will accommodate 9 standing passengers resulting in a potential load of 28 persons + 1 wheel chair position. At 150 lbs per person, this load results in a measured gross vehicle weight of 4,200 lbs. + 600 lbs (1 wheel chair position) = 4,800 lbs. In order to avoid exceeding the GAWR (9,450 lbs) of the rear axle, ballast for all 9 standing passengers was eliminated. This reduction from full capacity resulted in an adjusted measured gross vehicle weight of 13,820 lbs and was used for all dynamic testing. The middle segment was performed at a seated load weight of 13,820 lbs and the final segment was performed at a curb weight of 10,300 lbs. Durability driving resulted in unscheduled maintenance and failures that involved a variety of subsystems. A description of failures, and a complete and detailed listing of scheduled and unscheduled maintenance are provided in the Maintainability section of this report.

Accessibility, in general, was adequate. With the exception of the alternator, components covered in Section 1.3 (repair and/or replacement of selected subsystems), along with all other components encountered during testing, were found to be readily accessible and no restrictions were noted. Access to the alternator was very limited.

The Reliability section compiles failures that occurred during Structural Durability Testing. Breakdowns are classified according to subsystems. The data in this section are arranged so that those subsystems with more frequent problems are apparent. The problems are also listed by class as defined in Section 2. The test bus encountered no Class 1 or Class 2 failures. Of the 13 reported failures, seven were Class 3 and six were Class 4.

The Safety Test, (a double-lane change, obstacle avoidance test) was safely performed in both right-hand and left-hand directions up to a maximum test speed of 45 mph. The performance of the bus is illustrated by a speed vs. time plot. Acceleration and gradeability test data are provided in Section 4, Performance. The average time to obtain 50 mph was 16.19 seconds.

The Shakedown Test produced a maximum final loaded deflection of 0.266 inches with a permanent set ranging between 0.001 to 0.006 inches under a distributed static load of 11,100 lbs. The Distortion Test was completed with all subsystems, doors

and escape mechanisms operating properly. No water leakage was observed throughout the test. All subsystems operated properly.

The test bus was not equipped with any type of tow eyes or tow hooks, therefore, the Static Towing Test was not performed. The Dynamic Towing Test was performed by means of a front-lift tow. The towing interface was accomplished using a hydraulic under-lift wrecker. The bus was towed without incident and no damage resulted from the test. The manufacturer does not recommend towing the bus from the rear, therefore, a rear test was not performed. The Jacking and Hoisting Tests were also performed without incident. The bus was found to be stable on the jack stands, and the minimum jacking clearance observed with a tire deflated was 8.1 inches.

A Fuel Economy Test was run on simulated central business district, arterial, and commuter courses. The results were 6.46 mpg, 6.90 mpg, and 10.65 mpg respectively; with an overall average of 7.43 mpg.

A series of Interior and Exterior Noise Tests was performed. These data are listed in Section 7.1 and 7.2 respectively.



### FMVSS/CMVSS Compliance Summary - 2012

The following information describes briefly the FMVSS standards and the Compliance Action that has been taken by either Elkhart Coach, the chassis manufacturer or both. This summary is not intended to replace the standards on file at Elkhart Coach, but is intended to briefly describe and summarize them.

FMVSS No.	Standard Description	Compliance Action
101	Control Location, Identification and Illumination	Elkhart Coach does not alter the OEM controls or displays. Any added components, controls or displays subject to the standard meet this standard.
102	Transmission Shift Lever Sequence, Starter Interlock & Transmission Braking Effect	Compliance is deferred to the chassis manufacturer.
103	Windshield Defrosting & Defogging Systems	Compliance is deferred to the chassis manufacturer.
104	Windshield Wiping & Washing Systems	Compliance is deferred to the chassis manufacturer.
105	Hydraulic Brake Systems	Test data kept on file for vehicles that have had the frame stretched, or have had other system modifications.
106	Brake Hoses	Brake hoses are not altered. Compliance is deferred to the chassis manufacturer.
108	Lamps, Reflective Devices & Associated Equipment	Elkhart Coach does not alter OEM lighting. Additional lighting to include brake, turn, clearance and reverse lamps meet standard. Data on file.
111	Rear View Mirrors	All aftermarket mirrors installed by Elkhart Coach meet this standard and DOT regulations.
112	Headlamp Concealment Devices	Elkhart Coach does not manufacture vehicles with headlamp concealment devices.
113	Hood latch systems	Compliance is deferred to the chassis manufacturer.
114	Theft Protection	Compliance is deferred to the chassis manufacturer.
115	Vehicle Identification Number	Compliance is deferred to the chassis manufacturer.
116	Hydraulic Brake Fluids	Elkhart Coach does not alter brake systems. Vehicles with stretched frames have additional fluid added by the facility performing the chassis stretch using OEM instruction and materials. All other system modifications utilize only OEM-approved fluid.
118	Power Operated Window, Partition, and Roof Panel Systems	Compliance is deferred to the chassis manufacturer.
120	Tire Selection and Rims for Motor Vehicles Other Than Passenger Cars	Compliance is deferred to the chassis manufacturer.
121	Air Brake Systems	All vehicles manufactured by Elkhart Coach are not equipped with air brake systems.
124	Accelerator Control Systems	Elkhart Coach does not alter the OEM accelerator system, with the exception of the addition of aftermarket fast idle systems on some vehicles. These systems meet this standard when installed in accordance with instructions.
203	Impact Protection for the Driver from the Steering Control System	Compliance is deferred to the chassis manufacturer.



### FMVSS/CMVSS Compliance Summary - 2012

The following information describes briefly the FMVSS standards and the Compliance Action that has been taken by either Elkhart Coach, the chassis manufacturer or both. This summary is not intended to replace the standards on file at Elkhart Coach, but is intended to briefly describe and summarize them.

FMVSS No.	Standard Description	Compliance Action
204	Steering Control Rearward Displacement	Compliance is deferred to the chassis manufacturer.
205	Glazing Materials	No modifications are made to the OEM Glazing materials. Additional glazing materials meet the standard. Test data on file.
207	Seating System	All seating installed by Elkhart Coach meets this standard. Test data on file.
208	Occupant Crash Protection	No alterations are made to the OEM seat belts, air bag systems or associated hardware. Any seat belt systems added meet the standard. Test data on file.
209	Seat Belt Assemblies	No alterations are made to the OEM seat belts or associated hardware. Any seat belt systems added meet the standard. Test data on file.
210	Seat Belt Assembly Anchorage	No alterations are made to the OEM seat belts or associated hardware. Seat belt systems and their installation meet the standard. Test data on file.
212	Windshield Mounting	Compliance is deferred to the chassis manufacturer.
217	Bus Window Retention and Release	No modifications are made to the OEM windows. Additional windows meet the standard. Test data on file.
219	Windshield Zone Intrusion	Compliance is deferred to the chassis manufacturer.
220	School Bus Rollover Testing	All vehicles manufactured by Elkhart Coach are not completed to be used as school buses, however, Elkhart Coach has tested to this standard.
221	School Bus Body Joint Strength	All vehicles manufactured by Elkhart Coach are not completed to be used as school buses, however, Elkhart Coach has tested to this standard. Test data on file.
222	School Bus Passenger Seating and Crash Protection	All vehicles manufactured by Elkhart Coach are not completed to be used as school buses.
225	Child Restraint Anchorage Systems	All vehicles manufactured by Elkhart Coach exceed the applicability of this Standard (10,000 lbs GVWR). Elkhart Coach makes no statement as to conformity to this Standard.
302	Flammability of Interior Materials	All materials installed in the interior of Elkhart Coach products meet the standard. Test data on file.
303	Fuel System Integrity of Compressed Natural Gas Systems	Elkhart Coach does not typically produce vehicles with CNG systems. All vehicles equipped with CNG systems exceed the applicability (10,000 lbs. or less) of this standard.
304	Compressed Natural Gas Fuel Container Integrity	Elkhart Coach does not typically produce vehicles with CNG systems. All vehicles equipped with CNG systems exceed the applicability (10,000 lbs. or less) of this standard.
404	Platform Lift Installation on Motor Vehicles	Elkhart Coach installs wheelchair lifts according to manufacturer instructions and direction. Installations are verified and tested. Elkhart Coach has performed load testing to verify compliance. Test data on file.





## Certificate of Registration

This is to certify the Quality Management System of:

### **ELKHART COACH**

52807 County Road #7  
Elkhart, IN 46514

has been assessed and found to be in compliance  
with the following Quality Standard:

**ISO 9001:2008**

The Quality Management System is applicable to  
**Design, Manufacture, and Servicing of Buses**

The Registration period is from  
**June 25, 2012 to June 24, 2015**

This registration is subject to the company maintaining its system  
to the required standard which will be monitored by SARA Registrar.

Certificate Identification Number: **SARA-2006-CA-0033-03-A**



President

Ph: 1-800-699-5870 Fax: 1-800-803-4818  
1807D Santa Rita Road, #175  
Pleasanton, CA 94566

# **Warranty & Service Documentation**



**Elkhart Coach**

## *Warranty Coverage*

**ELKHART BODY:**

Structure: 6 Years, 72,000 miles

Body Components & Workmanship: 3 Years, 36,000 miles

**CHASSIS:**

OEM Manufacturer's Warranty

Ford Gas: 3 Years, 36,000 Miles / 5 Years- 60,000 Miles Powertrain Only

Ford Diesel: 3 Years, 36,000 Miles / 5 Years – 100,000 Miles Powertrain Only

**OTHER APPLICABLE WARRANTIES:**

**FLOOR COVERING:** 5 Years, Unlimited Miles

**TRANS/AIR A/C:** 2 1/2 years, Unlimited Miles

**ACC SYSTEMS:** 3 Years. 75,000 Miles – Minimum 2 Years Unlimited Miles

**FREEDMAN SEATING:** 5 years, Unlimited Miles – Seat Frame & Foam

1 Year Fabric for Level 1 & 2

2 Years Fabric for Level 3 and Up

**DOORS:** 2 Years, 24,000 Miles

**RADIO:** 1 Year, Unlimited miles

**MOR/RIDE SUSPENSION:** 3 Years, 75,000 Miles

**UPGRADED NON-OEM ALTERNATOR:** 18 Months, 75,000 Miles

**BRAUN W/C LIFT**

Parts and Labor: 3 Years, Unlimited Miles

Powertrain Parts Only: 5 Years, Unlimited Miles

**RICON W/C LIFT**

Parts and Labor: 5 Years Limited / 1 Year, Labor

Powertrain Parts Only : 5 Years, Unlimited Miles

# **TESCO Literature**



Proven Quality. Trusted Name.

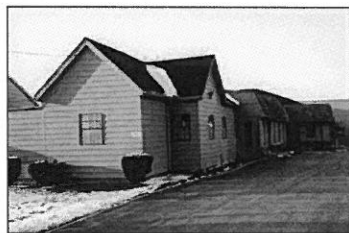
## COMPANY HISTORY

Since 1937, TESCO has given its customers the service and expertise they deserve. The over 75 years of superior products and service given to customers has granted the company its *Proven Quality and Trusted Name*.

In TESCO's early days, school bus sales were a primary focus, until current CEO, Noel Graham Sr., helped the company shift into the commercial bus market. The current management team, led by President, Bud Graham, has expanded the product line and territory over the last decade. Originally serving the Northwest Ohio area, TESCO steadily gained customers throughout the Great Lakes states, eventually becoming the leading bus distributor throughout Ohio, Michigan, Indiana, Kentucky, and West Virginia.

Today, TESCO does business throughout the entire nation, as well as the surrounding countries. This continual territory expansion has made TESCO one of the nation's largest and most successful bus distributors.

TESCO's newest division, Great Lakes Coach, began selling and servicing city buses in 1951. After focusing on school bus sales for several years thereafter, the company directed their efforts to the sales of commercial buses and specialty vehicles. In May 2012, Great Lakes Coach was acquired by TESCO.





Proven Quality. Trusted Name.

## FACILITY

TESCO operates from three facilities in the Great Lakes region of the USA. The primary facility, located in Oregon, OH, includes executive office space, a full service graphics design and production department, and over 20,000 square feet of service garages capable of housing up to twelve large buses. The facility grounds can also store over 200 buses awaiting sale or service, giving TESCO the ability to stock a full inventory of vehicles.

The second TESCO location, located just two miles from the main office, houses the used vehicle department and parts division. This facility has an additional eight large bus service bays, grounds to store a full inventory of used vehicles, and 10,000 square feet of office space.

Our third facility is located in Schoolcraft, MI, just an hour outside of many of the bus manufacturer's headquarters. With office space, a service garage, and new and used inventory, this facility serves Michigan and the surrounding areas.







Proven Quality.  
Trusted Name.

Transportation Equipment Sales Corporation


### Legal & Debt Affidavit

Transportation Equipment Sales Corp has no criminal litigations, investigations, arbitrations or proceedings against the company or any representatives of the company.

There are no lawsuits, claims, or disputes arising solely between Transportation Equipment Sales Corp and any customer or vendor at this present time and any litigation during the past five years and longer has been dismissed without liability or obligation from the company.

There are no judgments or liens filed against Transportation Equipment Sales Corp at this present time or during the past five years.

Transportation Equipment Sales Corp has not filed bankruptcy in the last five years, and Transportation Equipment Sales Corp is not currently in any bankruptcy proceedings.

  
\_\_\_\_\_  
Jeffrey P. Pappas  
Executive Vice President

tescobus.com

6401 Seaman Rd  
PO Box 167230  
Oregon, Ohio  
43616-7230

419.836.2835  
419.836.8460 fax  
800.227.3572



Proven Quality.  
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Transportation Equipment Sales Corporation

## REFERENCES

"Confidential"

### INDOT

Brian Jones  
100 North Senate Ave., #808  
Indianapolis, IN 46204  
317-232-1493

### ODOT

David Seech  
1980 West Broad Street  
Columbus, OH 43223  
614-644-7362

### Delaware Area Transit

Denny Schooly  
119 Henderson Court  
Delaware, OH 43015  
740-362-5784

### KPTA / RTEC

Shirley Cummins  
100 Main Street  
Mt. Vernon, KY  
606-256-9835

### PARTA

Brian Troutman  
200 Summit Rd.  
Kent, OH 44240  
330-678-7745

### Dayton Area RTA

Tom Hodge  
4 S. Main Street  
Dayton, OH 45402  
937-425-8637

### American Seniors Communities

Melanie Baker  
6900 Gray Road  
Indianapolis, IN 46237  
317-788-2500

### City of Anderson

Merle Jones  
530 Baxter Road  
Anderson, IN 46011  
765-648-6405

### Cleveland Clinic Foundation

Bill Gillen  
9500 Euclid Ave.  
Cleveland, OH 44195  
216-444-8442

### Toledo RTA

Jim Gee  
1127 West Central Ave.  
Toledo, OH 43697  
419-245-5213

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Oregon, Ohio  
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Proven Quality.  
Trusted Name.

Transportation Equipment Sales Corporation

## Transportation Equipment Sales Corp

### Affirmative Action Plan

The purpose of the Affirmative Action sample is to provide an acceptable program which addresses employment and the effective utilization of economically disadvantaged persons. This program is not to impose numerical minimums or standards, however, by adopting this program demonstrates a good faith effort to improve the equality of all citizens of the state of Ohio.

#### EEO Recruitment Strategies

**Strategy:** will make a good faith effort to recruit a diverse group of employees and provide equal opportunity for minorities, women and disabled persons to become competitive in state contracting opportunities. will advertise positions in media outlets that will provide information and access to the underserved populations.

#### EEO Selection Strategies

**Strategy:** will utilize procedures, processes and techniques that are fair and do not have an adverse impact on minorities, women or disabled persons. Perspective employees will not be excluded from the hiring process due to race, color, religion, sex (including sexual harassment), national origin, disability, age (40 years old or more), or veteran status.

#### EEO Placement/Orientation

**Strategy:** will provide newly hired employees with basic employment information during the first couple weeks on the job. New employee position descriptions, fringe benefits information, policies, procedures, and EEO are a few of the topics, which should be covered. Employees will not be denied fringe benefits and or opportunities for promotion based on race, color, religion, sex (including sexual harassment), national origin, disability, age (40 years old or more), or veteran status.

#### EEO Performance Evaluation

**Strategy:** will evaluate the performance of their employees on an annual basis. It should provide the necessary supervisory feedback to identify areas to be improved as well as to reinforce those activities that meet or exceed standards. Performance appraisal will be evaluated without regard to race, color, religion, sex (including sexual harassment), national origin, disability, age (40 years old or more), or veteran status.

#### EEO Training Strategies

**Strategy:** will attempt to diversify workforce by utilizing training and apprenticeship programs with diverse participants. Training and apprenticeship programs can increase the number of qualified minorities, women, disabled persons and veterans available for job placement.

tescobus.com

6401 Seaman Rd  
PO Box 167230  
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*Note: Affirmative Action Plan – Established through the State of Ohio Affirmative Action Program*

419.836.2835  
419.836.8460 fax  
800.227.3572



Proven Quality.  
Trusted Name.

Transportation Equipment Sales Corporation

#### EEO Discipline Strategies

**Strategy:** will set clear disciplinary standards and warn of consequences for non-compliance. Discipline will be designed to rehabilitate employees who choose to correct their behavior as well as justify the termination of those who do not. The employer will not mistreat or unfairly discipline an employee based on race, color, religion, sex (including sexual harassment), national origin, disability, age (40 years old or more), or veteran status.

#### EEO Separation Strategies/Exit Interviews

**Strategy:** will conduct exit interviews as a problem-solving tool in an attempt to reveal employee turnover. Exit interviews can provide the organization with information about how to correct the causes of discontent and reduce the costly problem of employee turnover.

#### EEO Monitoring Strategies

**Strategy:** will ensure Human Resources managers and supervisors understand this plan and hold managers and supervisors accountable for the effective implementation of this plan.

#### Minority Business Enterprise Solicitation Strategies

**Strategy:** will make a good faith effort to solicit business from certified minority owned businesses (MBE). will utilize the State of Ohio, Equal Opportunity Division's webpage to access certified MBEs. <http://das.ohio.gov/Eod/MBESearch/index.asp>

Noel E. Graham, Jr., President

Date

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Oregon, Ohio  
43616-7230

*Note: Affirmative Action Plan – Established through the State of Ohio Affirmative Action Program*

419.836.2835  
419.836.8460 fax  
800.227.3572

**Bureau of Workers'  
Compensation**30 W. Spring St.  
Columbus, OH 43215**Certificate of Premium Payment**

This certifies the employer listed below has paid into the Ohio State Insurance Fund as required by law. Therefore, the employer is entitled to the rights and benefits of the fund for the period specified. For more information, call 1-800-OHIOBWC.

This certificate must be conspicuously posted.

Policy No. and Employer

Period Specified Below

252374

01/01/2014 Thru 08/31/2014

TRANS EQUIP SALES CORP  
PO BOX 167230  
OREGON, OH 43616-7230



ohiobwc.com

*Stephen Bucher*  
Administrator/CEO

You can reproduce this certificate as needed.

**Ohio Bureau of Workers' Compensation****Required Posting**

Effective Oct. 13, 2004, Section 4123.54 of the Ohio Revised Code requires notice of rebuttable presumption. Rebuttable presumption means an employee may dispute or prove untrue the presumption (or belief) that alcohol or a controlled substance not prescribed by the employee's physician is the proximate cause (main reason) of the work-related injury.

The burden of proof is on the employee to prove the presence of alcohol or a controlled substance was not the proximate cause of the work-related injury. An employee who tests positive or refuses to submit to chemical testing may be disqualified for compensation and benefits under the Workers' Compensation Act.

**Bureau of Workers'  
Compensation**

You must post this language with the certificate of premium payment.

DP-29 BWC-1629 7/7/08