



Solicitation

1. Solicitation #: SW797 Additional Items

2. Solicitation Issue Date: April 18, 2016

3. Brief Description of Requirement:

Request for Proposals for additional items to be added to the SW797 ADA Bus contract.

4. Response Due Date¹: May 11th, 2016

Time: 3:00PM CST/CDT

5. Issued By and **RETURN SEALED BID TO**²:

Personal, U.S. Postal or Common Carrier Delivery:

Office of Management and Enterprise Services
Central Purchasing
5005 N. Lincoln Blvd., Suite 300
Oklahoma City, OK 73105

6. Solicitation Type (type "X" at one below):

- ☐ Invitation to Bid
☒ Request for Proposal
☐ Request for Quote

7. Requesting Agency: OMES Central Purchasing

8. Contracting Officer:

Name: Gerald Elrod

Phone: 405/522-1037

Email: Gerald.Elrod@omes.ok.gov

¹ Amendments to solicitation may change the Response Due Date (read GENERAL PROVISIONS, section 3, "Solicitation Amendments")

² If "U.S. Postal Delivery" differs from "Carrier Delivery", use "Carrier Delivery" for courier or personal deliveries



Responding Bidder Information

"Certification for Competitive Bid and Contract" MUST be submitted along with the response to the Solicitation.

1. RE: Solicitation # SW797 Additional Items

2. Bidder General Information:

FEI / SSN : 58-1216021

VEN ID: _____

Company Name: National Bus Sales & Leasing Inc

3. Bidder Contact Information:

Address: 15580 Hwy 114

City: Justin

State: TX Zip Code: 76247

Contact Name: Brent Roy (sent c/o Jennifer Cobb)

Contact Title: Area Sales Manager

Phone #: 817-636-2365

FAX#: 817-636-2947

Email: broy@nationalbussales.com

Website: www.nationalbussales.com

4. Oklahoma Sales Tax Permit¹:

☐ YES – Permit #: _____

☐ NO – Exempt pursuant to Oklahoma Laws or Rules

5. Registration with the Oklahoma Secretary of State:

☒ YES - Filing Number: 2312158057

☐ NO - Prior to the contract award, the successful bidder will be required to register with the Secretary of State or must attach a signed statement that provides specific details supporting the exemption the supplier is claiming (www.sos.ok.gov or 405-521-3911).

6. Workers' Compensation Insurance Coverage:

Bidder is required to provide with the bid a certificate of insurance showing proof of compliance with the Oklahoma Workers' Compensation Act.

☒ YES – include a certificate of insurance with the bid

☐ NO - attach a signed statement that provides specific details supporting the exemption you are claiming from the Workers' Compensation Act (Note: Pursuant to Attorney General Opinion #07-8, the exemption from 85 O.S. 2011, § 311 applies only to employers who are natural persons, such as sole proprietors, and does not apply to employers who are entities created by law, including but not limited to corporations, partnerships and limited liability companies.)²

Authorized Signature

5/31/16

Date

Jennifer Cobb

Printed Name

Sales Coordinator

Title

¹ For frequently asked questions concerning Oklahoma Sales Tax Permit, see <http://www.tax.ok.gov/faq/faqbussales.html>

² For frequently asked questions concerning workers' compensation insurance, see <http://www.ok.gov/oid/faqs.html#c221>



**Certification for Competitive Bid
and/or Contract
(Non-Collusion Certification)**

NOTE: A certification shall be included with any competitive bid and/or contract exceeding \$5,000.00 submitted to the State for goods or services.

Solicitation or Purchase Order #: SW797 Additional Items

Supplier Legal Name: National Bus Sales & Leasing Inc

SECTION I [74 O.S. § 85.22]:

A. For purposes of competitive bid,

1. I am the duly authorized agent of the above named bidder submitting the competitive bid herewith, for the purpose of certifying the facts pertaining to the existence of collusion among bidders and between bidders and state officials or employees, as well as facts pertaining to the giving or offering of things of value to government personnel in return for special consideration in the letting of any contract pursuant to said bid;
2. I am fully aware of the facts and circumstances surrounding the making of the bid to which this statement is attached and have been personally and directly involved in the proceedings leading to the submission of such bid; and
3. Neither the bidder nor anyone subject to the bidder's direction or control has been a party:
 - a. to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding,
 - b. to any collusion with any state official or employee as to quantity, quality or price in the prospective contract, or as to any other terms of such prospective contract, nor
 - c. in any discussions between bidders and any state official concerning exchange of money or other thing of value for special consideration in the letting of a contract, nor
 - d. to any collusion with any state agency or political subdivision official or employee as to create a sole-source acquisition in contradiction to Section 85.45j.1 of this title.

B. I certify, if awarded the contract, whether competitively bid or not, neither the contractor nor anyone subject to the contractor's direction or control has paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma any money or other thing of value, either directly or indirectly, in procuring this contract herein.

SECTION II [74 O.S. § 85.42]:

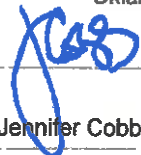
For the purpose of a contract for services, the supplier also certifies that no person who has been involved in any manner in the development of this contract while employed by the State of Oklahoma shall be employed by the supplier to fulfill any of the services provided for under said contract

The undersigned, duly authorized agent for the above named supplier, by signing below acknowledges this certification statement is executed for the purposes of:

☒ the competitive bid attached herewith and contract, if awarded to said supplier;

OR

☐ the contract attached herewith, which was not competitively bid and awarded by the agency pursuant to applicable Oklahoma statutes.


Jennifer Cobb

Supplier Authorized Signature

5/31/16

Certified This Date

Printed Name

Sales Coordinator

Title

817-636-2365

Phone Number

jcobb@nationalbussales.com

Email

817-636-2947

Fax Number



Amendment of Solicitation

Date of Issuance: 06/21/2016

Solicitation No. SW797 Additional Items

Requisition No. _____

Amendment No. 5

Hour and date specified for receipt of offers is changed: ☐ No ☒ Yes, to: July 12, 2016 3:00 PM CST/CDT

Pursuant to OAC 260:115-7-30(d), this document shall serve as official notice of amendment to the Solicitation identified above. Such notice is being provided to all suppliers to which the original solicitation was sent.

Suppliers submitting bids or quotations shall acknowledge receipt of this solicitation amendment prior to the hour and date specified in the solicitation as follows:

- (1) Sign and return a copy of this amendment with the solicitation response being submitted; or,
- (2) If the supplier has already submitted a response, this acknowledgement must be signed and returned prior to the solicitation deadline. All amendment acknowledgements submitted separately shall have the solicitation number and bid opening date printed clearly on the front of the envelope.

ISSUED BY and RETURN TO:

**U.S. Postal Delivery or Personal or Common
Carrier Delivery:**

Office of Management and Enterprise Services
Central Purchasing
5005 N. Lincoln Blvd., Ste. 300
Oklahoma City, OK 73105

Gerald Elrod
Contracting Officer

405 - 521 - 1037
Phone Number

Gerald.Elrod@omes.ok.gov
E-Mail Address

Description of Amendment:

a. This is to incorporate the following:

The following questions have been received and answered (see below and attached):

Question 1: (We have received several requests to extend)

Answer 1: Due to the delay in providing responses to the received questions, the RFP closing date has been extended to July 12, 2016. This will be the final extension.

Question 2: Award is "low bid", but they may negotiate & ask for BAFO - what does this mean?

Answer 2: All Suppliers should submit their lowest bid. Negotiation and BAFO terms are included in the event such a request is deemed necessary due to a conflict in terms and conditions or to clarify pricing, but in the case of such a request a Supplier will never be penalized for maintaining their lowest and best price.

Question 3: Bus quantity is indefinite - per FTA rules quantities must be identified mins and max numbers.

Answer 3: States are not required to give a minimum and maximum quantity. Furthermore, this is a Statewide contract from which individual purchase orders will be issued. Purchase orders will include the needed quantities.

Question 4: Bid expires 8-6-16; and has two 1-year renewals allowed with final expiration date as 8-6-18 - why not a 5 year agreement.

Answer 4: The contract period has been altered slightly (see below). The length of the contract term was decided at the discretion of the contract officer in order to keep the additional items in line with the rest of the contract.

Question 5: Delivery for the 30', 35', 40' CNG & Diesel buses is listed as 180 days; Trolley 120 days (if we are bidding on this one) - we cannot meet this delivery!

Description of Amendment - continuing

Answer 5: The delivery requirements are negotiable.

Question 6: There is an Administrative fee of 1% due from Gillig (not the customer) within 30 days after quarterly report is filled in by us (sample of form attached in specs) - Why?

Answer 6: This is an OMES Central Purchasing requirement on all statewide contracts and is used to cover the costs associated with managing contracts such as SW797.

Question 7: Missing in the specs are Acceptance & Payment terms, no PPI.

Answer 7: The State's Acceptance & Payment terms are listed in Section(s) A.17 and A.18, respectively.

Question 8: There have been several requests for deviation from the specifications requested in the RFP.

Answer 8: The State has listed their requirements in the solicitation, but a Supplier may submit alternate specifications. The State reserves the right to consider alternate specifications if they do not materially alter the scope of the RFP. In submitting an alternate bid, a Supplier must include a section in their response listing all deviations from the listed specifications and detailed explanations describing how the deviation is consistent with the scope of the RFP.

See attached for additional questions.

b. All other terms and conditions remain unchanged.

National Bus Sales & Leasing Inc
Supplier Company Name (PRINT)

7/8/16

Date

Jennifer Cobb
Authorized Representative Name (PRINT)

Sales Coordinator
Title


Authorized Representative Signature



Amendment of Solicitation

Date of Issuance: 6/17/2016

Solicitation No. SW797

Requisition No. SW797

Amendment No. 4

Hour and date specified for receipt of offers is changed: ☐ No ☒ Yes, to: 7/07/2016 3:00 PM CST/CDT

Pursuant to OAC 260:115-7-30(d), this document shall serve as official notice of amendment to the Solicitation identified above. Such notice is being provided to all suppliers to which the original solicitation was sent.

Suppliers submitting bids or quotations shall acknowledge receipt of this solicitation amendment prior to the hour and date specified in the solicitation as follows:

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Oklahoma City, OK 73105

Gerald Elrod
Contracting Officer

405 - 522 - 1037
Phone Number

Gerald.elrod@omes.ok.gov
E-Mail Address

Description of Amendment:

a. This is to incorporate the following:

The closing date has been Extended a couple weeks to July 7, 2016
An Amendment will be sent out next week, 6-21-16 with Q&A's

b. All other terms and conditions remain unchanged.

National Bus Sales & Leasing Inc

7/8/16

Supplier Company Name (PRINT)

Date

Jennifer Cobb

Sales Coordinator

Authorized Representative Name (PRINT)

Title


Authorized Representative Signature



Amendment of Solicitation

Date of Issuance: 06/02/2016

Solicitation No. SW797 Additional Items

Requisition No. _____

Amendment No. 3

Hour and date specified for receipt of offers is changed: ☐ No ☒ Yes, to: 06/21/2016 3:00 PM CST/CDT

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Oklahoma City, OK 73105

Gerald Elrod
Contracting Officer

405 - 521 - 1037
Phone Number

Gerald.Elrod@omes.ok.gov
E-Mail Address

Description of Amendment:

a. This is to incorporate the following:

The RFP closing date has been extended. The new closing date will be June 21, 2016.

b. All other terms and conditions remain unchanged.

National Bus Sales & Leasing Inc

Supplier Company Name (PRINT)

6/7/16

Date

Jennifer Cobb

Sales Coordinator

Authorized Representative Name (PRINT)

Title

Authorized Representative Signature



Amendment of Solicitation

Date of Issuance: 05/27/2016

Solicitation No. SW797 Additional Items

Requisition No. _____

Amendment No. 2

Hour and date specified for receipt of offers is changed: ☐ No ☒ Yes, to: 06/09/2016 3:00 PM CST/CDT

Pursuant to OAC 260:115-7-30(d), this document shall serve as official notice of amendment to the Solicitation identified above. Such notice is being provided to all suppliers to which the original solicitation was sent.

Suppliers submitting bids or quotations shall acknowledge receipt of this solicitation amendment prior to the hour and date specified in the solicitation as follows:

- (1) Sign and return a copy of this amendment with the solicitation response being submitted; or,
- (2) If the supplier has already submitted a response, this acknowledgement must be signed and returned prior to the solicitation deadline. All amendment acknowledgements submitted separately shall have the solicitation number and bid opening date printed clearly on the front of the envelope.

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Central Purchasing
5005 N. Lincoln Blvd., Ste. 300
Oklahoma City, OK 73105

Gerald Elrod

Contracting Officer

405 - 521 - 1037

Phone Number

Gerald.Elrod@omes.ok.gov

E-Mail Address

Description of Amendment:

a. This is to incorporate the following:

The RFP closing date has been extended. The new closing date will be June 9, 2016.

b. All other terms and conditions remain unchanged.

National Bus Sales & Leasing Inc

Supplier Company Name (PRINT)

5/31/16

Date

Jennifer Cobb

Sales Coordinator

Authorized Representative Name (PRINT)

Title

Authorized Representative Signature



Amendment of Solicitation

Date of Issuance: 05/02/2016

Solicitation No. SW797 Additional Items

Requisition No. _____

Amendment No. 1

Hour and date specified for receipt of offers is changed: ☐ No ☒ Yes, to: 06/02/2016 3:00 PM CST/CDT

Pursuant to OAC 260:115-7-30(d), this document shall serve as official notice of amendment to the Solicitation identified above. Such notice is being provided to all suppliers to which the original solicitation was sent.

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Central Purchasing
5005 N. Lincoln Blvd., Ste. 300
Oklahoma City, OK 73105

Gerald Elrod
Contracting Officer

405 - 521 - 1037
Phone Number

Gerald.Elrod@omes.ok.gov
E-Mail Address

Description of Amendment:

a. This is to incorporate the following:

The RFP closing date has been extended. The new closing date will be June 2, 2016. Additional time has also been given for questions and answers. The new deadline for all questions is 3:00PM, May 17, 2016. All questions should be submitted to the listed contract officer, in writing, prior to the question submission deadline.

b. All other terms and conditions remain unchanged.

National Bus Sales & Leasing Inc

Supplier Company Name (PRINT)

5/4/16

Date

Jennifer Cobb

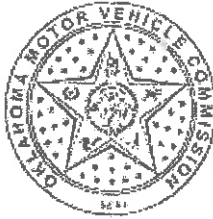
Sales Coordinator

Authorized Representative Name (PRINT)

Title

[Signature]
Authorized Representative Signature

OKLAHOMA MOTOR VEHICLE COMMISSION



Certificate of License

282

THE OKLAHOMA MOTOR VEHICLE COMMISSION
has licensed

NATIONAL BUS SALES & LEASING, INC.
800 PICKENS DRIVE EXTENSION
MARIETTA, GEORGIA 30062

AS AN AUTHORIZED
Distributor

And is responsible for the management of its operations and
personnel as provided by the laws of the State of Oklahoma.

IN TESTIMONY WHEREOF WE SET OUR HAND AND CAUSE TO BE AFFIXED

THE SEAL OF THE
OKLAHOMA MOTOR VEHICLE COMMISSION

Dan Mullins
Chairperson

Roy K Dockum
Executive Director

Issue Date: 05/11/2015

Expires: 06/30/2016



NATIBUS-03

PATELVS

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/31/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis Insurance Services of Georgia, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 37230-5191		CONTACT NAME: Willis Towers Watson Certificate Center PHONE (A/C, No, Ext): (877) 945-7378 FAX (A/C, No): (888) 467-2378 E-MAIL ADDRESS: certificates@willis.com		
INSURED National Bus Sales and Leasing, Inc. PO BOX 6549 Marietta, GA 30065		INSURER(S) AFFORDING COVERAGE		NAIC #
		INSURER A : Travelers Indemnity Company		25658
		INSURER B : Travelers Property Casualty Company of America		25674
		INSURER C : Travelers Indemnity Company of CT		25682
		INSURER D :		
		INSURER E :		
INSURER F :				

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:			630- 8194B162-IND-15	10/01/2015	10/01/2016	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			CUP- 8194B162-TIL-15	10/01/2015	10/01/2016	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input checked="" type="checkbox"/> Y N/A		UB-3F454246-16	01/01/2016	01/01/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Garage Liability			AD- 8194B162-15-CAG	10/01/2015	10/01/2016	See Attached

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

THIS CERTIFICATE VOIDS AND REPLACES PREVIOUSLY ISSUED CERTIFICATE DATED: 5/31/2016.
Contractual Liability is included under the General Liability policy.

Auto Liability is Included in Garage Liability.

CERTIFICATE HOLDER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



**Oklahoma Department
of Transportation**

**TRANSIT
PROGRAMS
DIVISION**

**FTA'S
SPECIAL PROVISIONS
FOR THE PROCUREMENT OF CAPITAL EQUIPMENT
WITH AN ESTIMATED CUMULATIVE COST
IN EXCESS OF \$100,000**

STATEMENT OF FEDERAL PARTICIPATION

THIS PROCUREMENT IS DEPENDENT UPON THE AVAILABILITY OF FEDERAL FUNDS THROUGH THE FEDERAL TRANSIT ADMINISTRATION (FTA)

**PAGES 2 THRU 15 OF THIS DOCUMENT ARE TO BE COMPLETED BY
BIDDER/VENDOR**

**PAGES 18 THRU 24 OF THIS DOCUMENT ARE TO BE COMPLETED BY ODOT AT
TIME OF THE BID AWARD**

**PAGES 26 THRU 32 ARE TO BE COMPLETED BY THE PURCHASER AT THE
TIME OF VEHICLE DELIVERY**

**SPECIAL PROVISIONS FOR THE PROCUREMENT OF CAPITAL EQUIPMENT
USING FEDERAL FUNDS**


**THE FOLLOWING REQUIREMENTS AND CONDITIONS ARE INCLUDED AS AN
ESSENTIAL PART OF THE SPECIFICATIONS ATTACHED HERETO.**

SECTION I. FOR ALL BIDS:

**FMVSS CERTIFICATION - 49 CFR 571 Part D
(Circle all applicable standard #s)**

#	Title	#	Title
101	#*Controls and Displays	102	#*Transmission shift lever sequence, starter, interlock, transmission braking effect
103	#*Windshield defrost and defogging system	104	#*Windshield wiping and washing system.
105	#*Hydraulic brake system.	106	#*Brake hoses
107	#*Reflecting surfaces	108	#*Lamps, reflective devices, and assoc. equip.
109	#New pneumatic tires	110	#Tire selection and rims.
111	#*Rearview mirrors	112	#*Headlamps concealment devices.
113	#*Hood latch system	114	#Theft Protection (not for walk-in vans)
115	#*VIN -basic requirements.	116	#*Motor vehicle brake fluids.
117	#Re-treaded pneumatic tires (to be used on rear wheels only)	118	#Power-operated window, partition, roof panel system (GVWR < 10K)
119	*New pneumatic tires for vehicles other than passenger cars	120	*Tire selection & rims for vehicles other than passenger cars
121	*Air brake system	124	#*Accelerator control system.
129	#New non-pneumatic tires for passenger cars.	201	#@Occupant protection in interior impact
202	#@Head restraints	203	#@Impact protect, driver steering control system
204	#*Steering control rearward displace (not walk-in vans)	205	#*Glazing materials
206	#Doors, locks, and door retention components.	207	#*Seating system
208	#*Occupant crash protection	209	#*Seat belt assemblies.
210	#@Seat belt assembly anchorages.	211	#Wheels, nuts, wheel discs, and hub caps
212	#@Windshield mounting	213	#*Child restraint system.
214	#@Side impact protection (not walk-in vans)	217	*Bus emergency. exits / window retention & release
219	#@Windshield zone intrusion	220	*School Bus rollover protection
301	#@Fuel system integrity (+School Bus >10K GVWR)	302	#*Flammability of interior materials.

The undersigned **BIDDER/VENDOR** hereby certifies that all vehicles furnished meet the **FMVSS IAW 49 CFR 571**.

Name of Company National Bus Sales & Leasing Inc	Date 5/27/16
Printed Name of Person Signing Form Jennifer Cobb, Sales Coordinator	Signature 

*Bus

@Bus with GVWR below 10,000 lbs.
2 of 32

#Passenger Car
Revision Date: 7/22/2015



**Spirit of Liberty FMVSS
APPROVALS AND CERTIFICATIONS**

The following is a listing of various safety requirements, testing and general performance data
Pertaining to ARBOC Specialty Vehicles, LLC (Middlebury, Indiana), products and related components.

From Title 49, code of Federal Regulations, Section 571, the following is a listing of the Federal Motor Vehicle Safety Standards (FMVSS) which all ARBOC Specialty Vehicles, LLC (Middlebury, Indiana), Products either meet or exceed:

<u>FMVSS NO.</u>	<u>DESCRIPTION</u>
101	Controls Location & Identification
102	Transmission Shift Lever Sequence
103	Windshield Defrosting & Defogging
104	Windshield Wiping & Washing System
105	Hydraulic Brake System
106	Brake Hoses
108	Lights and Reflectors
111	Rear View Mirrors
115	Vehicle Identification Number
116	Hydraulic Brake Fluids
119	New Pneumatic Tires
120	Tire Selection & Wheels for Buses
124	Accelerator Controls Systems
125	Warning devices

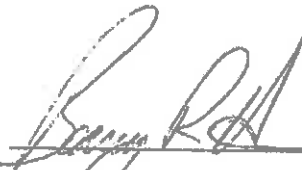


APPROVALS AND CERTIFICATIONS

Page two

<u>FMVSS NO.</u>	<u>DESCRIPTION</u>
205	Glazing Materials (window glass)
207	Anchorage of Seats
208	Occupant Restraints
209	Seat Belt Assemblies
210	Seat Belt Assembly Anchorages
214	Side Impact
217	Bus Window Strength & Emergency Release
220	School Bus Rollover Protection*
221	School Bus Body Joint Strength*
302	Flammability of Interior Materials

*Not required. However, all ARBOC Specialty Vehicles, LLC (Middlebury, Indiana), products have been tested and meet or exceed.



Barry Hines, Director of Engineering

ARBOC Specialty Vehicles, LLC (Middlebury, Indiana)



Date

Page 2 of 2

In submitting this bid, the undersigned **BIDDER/VENDOR** as noted in Section III - Certification to Purchaser, certifies and agrees to the following clauses, assurances and certifications.

The **BIDDER/VENDOR** agrees to include these requirements in subcontracts financed in whole or in part by Federal Transit Administration funding. The bidder/vendor must execute all certifications below.

A. INCORPORATION of FEDERAL TRANSIT ADMINISTRATION (FTA) TERMS: The following provisions include, in part, certain Standard Terms and Conditions required by DOT, whether or not expressly set forth in the preceding contract provisions. All contractual provisions required by DOT, as set forth in FTA Circular 4220.1E are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Agreement. The **BIDDER/VENDOR** shall not perform any act, fail to perform any act, or refuse to comply with any **PURCHASER'S** requests which would cause the **PURCHASER** to be in violation of the FTA terms and conditions

B. FEDERAL CHANGES: **BIDDER/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 between the **PURCHASER** and FTA, as they may be amended or promulgated from time to time during the term of this contract **BIDDER/VENDOR's** failure to so comply shall constitute a material breach in this contract.

C. DBE CERTIFICATION: The **BIDDER/VENDOR** complies with 49 CFR 26.49 regarding the transit vehicle manufacturer=s overall DBE goal.

D. AIR CONDITIONING PERFORMANCE: The **BIDDER/VENDOR** will provide vehicles that meet or exceed the performance requirements of the air conditioning system(s) as detailed in the specification.

E. INTEREST of MEMBERS of or DELEGATES to CONGRESS: The **BIDDER/VENDOR** certifies that no member of or delegate to the Congress of the United States shall be admitted to any share or part of this contract or to any benefit arising there from.

F. PROHIBITED INTEREST: The **BIDDER/VENDOR** certifies that no member, officer, or employee of the Public Body or of a local public body during his or her tenure or one year thereafter shall have any interest, direct or indirect, in this contract or the proceeds thereof.

G. CARGO PREFERENCE - USE of UNITED STATES-FLAG VESSELS: The **BIDDER/VENDOR** agrees: a. to use privately owned United States-Flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to the underlying contract to the extent such vessels are available at fair and reasonable rates for United States-Flag commercial vessels; b. to furnish within 20 working days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590 and to the FTA recipient (through the contractor in the case of a subcontractor's bill-of-lading.)

H. **ENERGY CONSERVATION:** The **BIDDER/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.

I. **CLEAN WATER & AIR:** The **BIDDER/VENDOR** agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. The **BIDDER/VENDOR** agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. ' ' 7401 et seq. The **BIDDER/VENDOR** agrees to report each violation to the **PURCHASER** and understands and agrees that the **PURCHASER** will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.

J. **NO OBLIGATION by the FEDERAL GOVERNMENT:** The **PURCHASER** and **BIDDER/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 this contract and shall not be subject to any obligations or liabilities to the **PURCHASER, BIDDER/VENDOR**, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.

K. **PROGRAM FRAUD and FALSE or FRAUDULENT STATEMENTS or REALTED ACTS:** The **BIDDER/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 Project. The **BIDDER/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 resultant contract or the FTA assisted project for which this work is being performed. The **BIDDER/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 **BIDDER/VENDOR** to the extent the Federal Government deems appropriate. The **BIDDER/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 **BIDDER/VENDOR**, to the extent the Federal Government deems appropriate.

L. **CONTRACT WORK HOURS:**

1. **Overtime requirements:** No contractor or subcontractor contracting 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.

2. **Violation; liability for unpaid wages; liquidated damages:** In the event of any violation of the clause set forth in paragraph (1) of this section the contractor and any subcontractor responsible therefore shall be liable for unpaid wages. Such contractor 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 (1) 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 (1) of this section.

3. **Withholding for unpaid wages and liquidated damages:** The **PURCHASER** 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 contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

4. **Subcontracts:** The contractor or subcontractor shall include the clauses set forth in this section and require the same from subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with these clauses.

5. **Payrolls and basic records:** (i) Payrolls and basic records relating thereto shall be maintained by the contractor 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 5.5(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 contractor 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. Contractors 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.

M. CIVIL RIGHTS:

1. **Nondiscrimination:** In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. ' 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. ' 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. ' 12132, and Federal transit law at 49 U.S.C. ' 5332, the **BIDDER/VENDOR** agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the **BIDDER/VENDOR** agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.

2. Equal Employment Opportunity: The following equal employment opportunity requirements apply:

Race, Color, Creed, National Origin, Sex - In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. ' 2000e, and Federal transit laws at 49 U.S.C. ' 5332, the **BIDDER/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 **BIDDER/VENDOR** agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, or age. Such action shall include, but not be limited to 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 **BIDDER/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. ' ' 623 and Federal transit law at 49 U.S.C. ' 5332, the **BIDDER/VENDOR** agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the **BIDDER/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 **BIDDER/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 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, the **BIDDER/VENDOR** agrees to comply with any implementing requirements FTA may issue.

N. ALTOONA TEST CERTIFICATION: (Check one of the following):

- ☒ The vehicle has been Altoona tested, report number: LTI-BT-R1502
- ☐ The vehicle is exempt from testing in accordance with 49 CFR 665
- ☐ The vehicle is currently being tested at Altoona

O. DEBARMENT AND SUSPENSIONS: This contract is a covered transaction for purposes of 2 CFR Part 1200, which adopts and supplements the provisions of U.S. Office of Management and Budget (U.S. OMB) "Guidelines to Agencies on Governmentwide Debarment and Suspension (Nonprocurement)," 2 CFR Part 180. As such, the contractor is required to verify that none of the contractor, its principals, as defined at 2 CFR 180.995, or affiliates, as defined at 2 CFR 180.905, are excluded or disqualified as defined at 2 CFR 180.940, 180.935 and 180.945.

The **BIDDER/VENDOR** is required to comply with 2 CFR 180, Subpart C and must include the requirement to comply with 2 CFR 180, Subpart C in any lower tier covered transaction it enters into.

By signing and submitting its bid or proposal, the **BIDDER/VENDOR** or proposer certifies as follows:

The certification in this clause is a material representation of fact relied upon by the **Procuring Agency**. If it is later determined that the **BIDDER/VENDOR** or proposer knowingly rendered an erroneous certification, in addition to remedies available to **Procuring Agency**, the Federal Government may pursue available remedies, including but not limited to suspension and/or

FEDERAL TRANSIT BUS TEST

Performed for the Federal Transit Administration U.S. DOT
1200 New Jersey Avenue, SE
Washington, DC 20590

In accordance with CFR 49, Volume 7, Part 665

Manufacturer: ARBOC Specialty Vehicles
Manufacturer's address: 51165 Greenfield Parkway
Middlebury, IN 46540

Model: 3400 Liberty

Submitted for Testing in Service-Life Category
7 Year /200,000 Miles

Report Number: LTI-BT-R1502




Quality Authorization

Director, Bus Research
and Testing Center
Title

8/20/15
Date

EXECUTIVE SUMMARY

ARBOC Specialty Vehicles submitted a model 3400 Liberty, diesel-powered 34 seat (including the driver) 35-foot bus, for a 7 yr./200,000 mile STURAA test. The odometer reading at the time of delivery was 547 miles. Testing started on January 30, 2015 and was completed on July 29, 2015. 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 February 16, 2015 and was completed on July 6, 2015.

The interior of the bus is configured with seating for 34 passengers including the driver. Note: this test bus is not designed to accommodate standing passengers; therefore, GVW and SLW are the same. At 150 lbs. per person, this load results in a measured gross vehicle weight of 23,970 lbs. The first segment of the Structural Durability Test was performed with the bus loaded to a GVW of 23,970 lbs. The middle segment was performed at a seated load weight of 23,970 lbs. and the final segment was performed at a curb weight of 18,930 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.

Effective January 1, 2010 the Federal Transit Administration determined that the total number of simulated passengers used for loading all test vehicles will be based on the full complement of seats and free-floor space available for standing passengers (150 lbs. per passenger). The passenger loading used for dynamic testing will not be reduced in order to comply with Gross Axle Weight Ratings (GAWR's) or the Gross Vehicle Weight Ratings (GVWR's) declared by the manufacturer. Cases where the loading exceeds the GAWR and/or the GVWR will be noted accordingly. During the testing program, all test vehicles transported or operated over public roadways will be loaded to comply with the GAWR and GVWR specified by the manufacturer.

Accessibility, in general, was adequate, 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.

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, 2 or 4 failures. All six reported failures were Class 3.

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 26.53 seconds. Top speed obtained on the dynamometer was 63.5

mph. The Stopping Distance phase of the Brake Test was completed with the following results: for the Uniform High Friction Test average stopping distances were 29.51' at 20 mph, 61.26' at 30 mph, 106.95' at 40 mph and 137.92' at 45 mph. The average stopping distance for the Uniform Low Friction Test was 30.23'. There was no deviation from the test lane during the performance of the Stopping Distance phase. During the Stability phase of Brake Testing, the test bus experienced no deviation from the test lane during both approaches to the Split Friction Road surface. The Parking Brake phase was completed with the test bus maintaining the parked position for the full five minute period with no slip or roll observed in both the uphill and downhill positions.

The Shakedown Test produced a maximum final loaded deflection of 0.128 inches with a permanent set ranging between -0.004 to 0.004 inches under a distributed static load of 12,750 lbs. The Distortion Test was completed with all subsystems, doors and escape mechanisms operating properly. No water leakage was observed throughout the test. The handicap ramp was inoperable during the test. All other subsystems operated properly.

The test bus submitted for testing 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 4.6 inches.

A Fuel Economy Test was run on simulated central business district, arterial, and commuter courses. The results were 4.37 mpg, 4.99 mpg, and 8.71 mpg respectively; with an overall average of 5.32 mpg.

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

The Emissions Test was performed. These results are available in Section 8 of this report.

debarment. The bidder or proposer agrees to comply with the requirements of 2 CFR 180, Subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The **BIDDER/VENDOR** or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

The Procuring Agency agrees and assures that its third party contractors and lessees will review the "Excluded Parties Listing System" at <http://epls.gov/> before entering into any subagreement, lease or third party contract.

The Procuring Agency will be reviewing all third party contractors under the Excluded Parties Listing System at <http://epls.gov/> before entering into any contracts.

FEDERAL FUNDS WILL NOT BE RELEASED UNTIL THE PURCHASING AGENCY RECEIVES A COPY OF THE ALTOONA TEST REPORT IF REQUIRED IN ACCORDANCE WITH 49 CFR 665



SECTION II

A. BUY AMERICA CERTIFICATION:

BIDDER/VENDOR to complete the Buy America Certification listed below. **BIDDER/VENDOR** shall certify **EITHER COMPLIANCE OR NON-COMPLIANCE** (not both).

Certification requirement for procurement of buses, other rolling stock, and associated equipment.

Certificate of Compliance with 49 U.S.C. 5323(j)(2)(C)

The bidder/vendor or offer or hereby certifies that it **will meet** the requirements of 49 U.S.C. 5323(j)(2)(C) and the regulations at 49 C.F.R. Part 661.11.

Signature 

Company Name National Bus Sales & Leasing Inc

Title Sales Coordinator

Date 5/27/16

Certificate of Non-Compliance with 49 U.S.C. 5323(j)(2)(C)

The bidder/vendor or offer or hereby certifies that it **cannot comply** with the requirements of 49 U.S.C. 5323(j)(2)(C) and 49C.F.R. 661.11, but it may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(A), 5323(j)(2)(B), or 5323(j)(2)(D), and 49 C.F.R. 661.7.

Signature _____

Company Name _____

Title _____

Date _____

Instructions:

Special Note: Make sure you have signed only one of the above statements -- either Compliance OR Non-Compliance (not both).

Subscribed and sworn to before me this 27 day of May 2016.


Notary Public

10/3/2017
Commission Expiration Date

1295811083
My Commission Number

Seal:



This form MUST be prepared and signed by the offeror/vendor and submitted with all bids or offers on FTA-funded contracts. Bids or offers not accompanied by this form will be REJECTED

SECTION II

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The bidder/vendor or offer or hereby certifies that it will meet the requirements of 49 U.S.C. 5323(j)(2)(C) and the regulations at 49 C.F.R. Part 661.11.

Signature Don W Roberts

Company Name ARBOC Specialty Vehicles

Title Don W Roberts

Date 6/13/16

Certificate of Non-Compliance with 49 U.S.C. 5323(j)(2)(C)

The bidder/vendor or offer or hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j)(2)(C) and 49C.F.R. 661.11, but it may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(A), 5323(j)(2)(B), or 5323(j)(2)(D), and 49 C.F.R. 661.7.

Signature _____

Company Name _____

Title _____

Date _____

Instructions:

Special Note: Make sure you have signed only one of the above statements -- either Compliance OR Non-Compliance (not both).

Subscribed and sworn to before me this 13 day of 06 2016

Lindsay Manchester

Notary Public

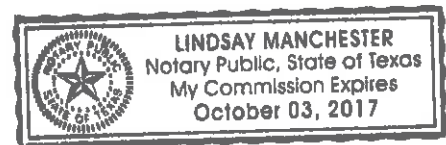
10/3/2017

Commission Expiration Date

129581683

My Commission Number

Seal:



This form MUST be prepared and signed by the offeror/vendor and submitted with all bids or offers on FTA-funded contracts. Bids or offers not accompanied by this form will be REJECTED

B. DOMESTIC CONTENT WORKSHEET:

(Typical Components of Buses from Appendix B to 49 CFR Sec. 661.11, an itemized component listing from the **manufacturer** that verifies compliance with the Buy America Provisions may be submitted in lieu of this form)

If you plan on using another components listing, you must include it with your bid and place an X in the following box. ☒

I. Components	% Domestic	X % Value	Dom. Value
engines			
transmissions			
front axle assemblies			
rear axle assemblies			
drive shaft assemblies			
front suspension assemblies			
rear suspension assemblies			
air compressor and pneumatic systems			
generator, alternator & electrical systems			
steering system assemblies			
front and rear air brake assemblies			
air conditioning compressor assemblies			
air conditioning evaporator/condenser assemblies			
heating systems.			
passenger seats			
driver's seat assemblies			
window assemblies			
entrance and exit door assemblies			
door control systems			
destination sign assemblies			
interior lighting assemblies			
front and rear end cap assemblies			
front and rear bumper assemblies			
specialty steel (structural steel tubing etc.) and aluminum extrusions			
aluminum, steel or fiberglass exterior panels and interior trim			
flooring and floor coverings			
TOTAL DOMESTIC CONTENT OF COMPONENTS (%)			

ARBOC Specialty Vehicles

PRE-AWARD BUY AMERICA DOCUMENTATION ARBOC Specialty Vehicles, LLC

Components	Manufacturers	% Total Cost
ADA	BRAUN CORPORATION	6.6
Bumpers	ARBOC SPECIALTY VEHICLES	0.7
Fiberglass & ABS	BEST FORMED PLASTICS LLC, DUO FORM PLASTICS, HART PLASTICS INC, PREMIER FIBERGLASS COMPANY INC	2.9
Chassis	DICOR CORPORATION, HARCO MANUFACTURING GROUP LLC, LINCOLN PRODUCTS COMPANY, MAX MYERS MOTORS INC (PARTS ACCOUNT), REFLEX INDUSTRIES INC, SORG DODGE INC, VOYAGER	13.9
Destination Signs	ARBOC SPECIALTY VEHICLES	0.2
Doors	A & M SYSTEMS INC, CHALLENGER DOOR LLC, CLEAN-SEAL INC	1.7
Electrical	KIB ELECTRONICS CORP	1.7
Electronics	ANIXTER INC, CHIEF ENTERPRISES, LGS GROUP INC, MITO CORPORATION, POSITRON CORPORATION, WESCO DISTRIBUTION INC	0.7
Floors	COMPASS FLOORING INC, HUTTIG BUILDING PRODUCTS INC, TITAN SALES & CONSULTING LLC	1.5
Frame & Body	B & B MOLDERS LLC, C M T ENTERPRISES INC, CHEMLINE IN, COATING & CONVE, ECKCO PLASTICS INC, FLEXCO PRODUCTS INC, HARBOR FOAM INC, HENKEL CORPORATION, INNOVATIVE ENERGY INC, LAMI PLAST INC, LIPPERT COMPONENTS INC, MISHAWAKA SHEET METAL LLC, MOR/RYDE INTERNATIONAL INC, OWENS PRODUCTS INC, POSTLE ALUMINUM CO - MIDWEST, ROBERT WEED PLYWOOD CORP	12.8
HVAC	ACC CLIMATE CONTROL INC, PROAIR LLC	12.4
Lighting	ABC MARKETING INC, TTC INCORPORATED, REAR VIEW SAFETY INC, TECNIQ INC	0.2
Miscellaneous	AMERICAN SAFETY & FIRST AID, AUSTIN HARDWARE & SUPPLY INC, DAVE CARTER & ASSOCIATES, DEC-O-ART INC, FASTENAL COMPANY, LAVANTURE PRODUCTS, POWER BRAKE & SPRING SERVICE CO, PREMIER PRINT & SERVICES GROUP INC, PRO PRINTS GEAR, SEIFERT GRAPHICS INC, VYTEC INCORPORATED, YODER OIL COMPANY INC	3.2
Paint/Graphics	ARBOC SPECIALTY VEHICLES	1.9
Seating	FREEDMAN SEATING COMPANY	5
Stanchions & Exhaust	DUSTRIES INC, HECKETHORN MANUFACTURING COMPANY, JET TECHNOLOG	1.7
Windows	CLEER VISION WINDOWS INC	1.1
Total percentage of vehicle manufactured in the U.S. (minimum)		68.2

Point of final assembly Middlebury, Indiana and major activities to be undertaken at final

ARBOC Specialty Vehicles

SOL PRE-AWARD BUY AMERICA DOCUMENTATION
ARBOC Specialty Vehicles, LLC

Components	Manufacturers	% Total Cost
ADA	BRAUN CORPORATION, QSTRAINT	3.01
Chassis	FREIGHTLINER	58
Destination Signs	LUMINATOR, TVna, HANNOVER	2.5
Doors	A & M SYSTEMS INC, CHALLENGER DOOR LLC, CLEAN-SEAL INC	1.07
Electrical	KIB ELECTRONICS CORP	1.05
Frame & Body	B & B MOLDERS LLC, LIPPERT COMPONENTS INC,	3.18
HVAC	ACC CLIMATE CONTROL INC, PROAIR LLC	8
Seating	FREEDMAN SEATING COMPANY	3.6
Stanchions & Exhaust	ASC INDUSTRIES INC	0.75
Windows	CLEER VISION WINDOWS INC	0.6
Total percentage of vehicle manufactured in the U.S. (minimum)		81.76

Point of final assembly Middlebury, Indiana and major activities to be undertaken at final location, Middlebury, Indiana.

B. CONTINUED DOMESTIC CONTENT WORKSHEET:

II. Construction Activities (Describe Activities) Upfit	
Location of Construction Activities: Elkhart, IN	% OF DOMESTIC CONSTRUCTION ACTIVITIES: 81.26

Arboc	Spirit of Liberty	Current
Vehicle Manufacturer	Model	Model Year
National Bus Sales	<i>Cab</i>	5/27/16
Vendor Name	Signature	Date



C. LOBBYING:

The **BIDDER/VENDOR** certifies compliance with the Anti-Lobbying amendment, 31 U.S.C. ' 1352, as amended by the Lobbying Disclosure Act of 1995, Public Law 104-65 [to be codified at 2 U.S.C. ' 1601, et seq.]. The **BIDDER/VENDOR** also certifies that it will execute the following, "Certification Regarding Lobbying", as required by 49 CFR Part 20, AA New Restriction on Lobbying.e

EXECUTE THE FOLLOWING

CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements
(To be submitted with each bid or offer exceeding \$100,000)

The undersigned,

National Bus Sales & Leasing Inc

(Bidder/Vendor)

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 influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal Contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal Contract, grant, loan, or cooperative agreement.

B. If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal Contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions [as amended by "Government wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/96). Note: Language in paragraph "B" herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (Public Law 104-65, to be codified at 2 U.S.C. ' 1601, et seq .)]

C. The undersigned shall require that the language of this certification be included in the award documents for all sub awards at all tiers (including subcontracts, sub grants, and contracts under grants, loans, and cooperative agreements) and that all Subrecipient's shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. ' 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

C. CONTINUED LOBBYING:

[Note: Pursuant to 31 U.S.C. ' 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.

National Bus Sales & Leasing Inc

(Bidder/Vendor)

certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the **BIDDER/VENDOR** understands and agrees that the provisions of 31 U.S.C. 3801, et seq., apply to this certification and disclosure, if any.



Signature of BIDDER/VENDOR's Authorized Official

Jennifer Cobb, Sales Coordinator

Name and Title of BIDDER's Authorized Official

5/27/16

Date



SECTION III

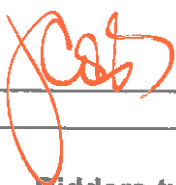
CERTIFICATION TO PURCHASER:

The undersigned **BIDDER/VENDOR** certifies that the vehicle(s) furnished will meet or exceed the specifications.

The **BIDDER/VENDOR** hereby certifies that it has attached all applicable documentation including:

- ✓ 1. Federal Motor Vehicle Safety Standards (**FMVSS**)
- ✓ 2. Altoona Test Certification
- ✓ 3. Buy America Certification Form
- ✓ 4. Domestic Content Worksheet
- ✓ 5. Lobbying Certification Form
- ✓ 6. Government wide Debarment & Suspension Certification Form
- ✓ 7. Certification to Purchaser Form
- ✓ 8. Drawing of proposed floor plan.
- ✓ 9. Printed product literature of the vehicle and all ancillary equipment

The undersigned **BIDDER/VENDOR** certifies that it has read all of the bid documents and agrees to abide by the terms, certifications, and conditions thereof.

Name of Company: National Bus Sales & Leasing Inc	Printed Name of Person Completing Form: Jennifer Cobb
Address: (City, State, Zip) 15580 Hwy 114 Justin, TX 76247	SS# or Tax ID #: 58-1216021
Telephone: (Area Code) 800.282.7981	Signature: 

Disadvantaged Business Enterprise Information (DBE)	Bidders type of organization (circle)	
Is your firm a DBE?	Sole Proprietorship	General Proprietorship
(yes) (no)	Corporation	Limited Partnership
If yes, what type?	Other? Please List	

BIDDER/VENDOR CHECKLIST

THE FOLLOWING CHECKLIST MUST BE COMPLETED BY THE BIDDER/VENDOR BEFORE THE BID IS SUBMITTED.

This checklist will be used to ensure that all required procurement clauses and certifications listed within these special provisions have been read, initialed, and signed by the Bidder/Vendor along with any necessary signed certifications.

Section I. FOR ALL BIDS:

Bidder's initial all lines below:

FMVSS CERTIFICATION: Circled all applicable Standards & Signed?

- A. **Incorporation of Federal Transit Administration Terms:** Read?
- B. **Federal Changes:** Read?
- C. **DBE Certification:** Read?
- D. **Air Conditioning Performance:** Read?
- E. **Interest of Members of or Delegates to Congress:** Read?
- F. **Prohibited Interest:** Read?
- G. **Cargo Preference:** Read?
- H. **Energy Conservation:** Read?
- I. **Clean Water and Air:** Read?
- J. **No Obligation By the Federal Government:** Read?
- K. **Program Fraud and False or Fraudulent Statements:** Read?
- L. **Contract Work Hours:** Read?
 - 1. Overtime requirements:
 - 2. Violation; liability for unpaid wages:
 - 3. Withholding for unpaid wages:
 - 4. Subcontracts:
 - 5. Payrolls and basic records:
- M. **Civil Rights:** Read?
 - 1. Nondiscrimination:
 - 2. Equal Employment Opportunity:
- N. **Altoona Test Certification:** Completed the following?
 - 1. Report Summary enclosed? Attached?
 - 2. Report # LT1 BT R1502 : Completed?
- O. **Debarment and Suspensions:** Read & Understood?
 - 1. EPLS Report www.epls.gov (Must Not be Debarred)

CONTINUED BIDDER/VENDOR CHECKLIST

Section II.

- A. Buy America Certification:** Completed and signed?
- B. Domestic Content Worksheet:** Calculated, Completed & Signed?
- C. Lobbying Certification signed:** Completed and signed?

[Handwritten initials in orange ink]

Section III. CERTIFICATION TO PURCHASER Completed and signed?

I hereby attest that each item was reviewed and that my initials above indicate that the item was properly executed on this date.

National Bus Sales & Leasing Inc

Bidder/Vendor Company

5/27/16

Date

Jennifer Cobb, Sales Coordinator

Bidder/Vendor Representative

5/27/16

Date

[Handwritten signature in orange ink]





U.S. Department
of Transportation
**Federal Transit
Administration**

Headquarters

East Building, 5th Floor – TCR
1200 New Jersey Avenue, SE
Washington, DC 20590

October 14, 2015

Donna Ballge
ARBOC Specialty Vehicles
51165 Greenfield Parkway
Middlebury, IN 46540

Re: TVM DBE Goal Concurrence – Fiscal Year 2016

Dear Ms. Ballge:

This letter is to inform you that the Federal Transit Administration's (FTA) Office of Civil Rights has received ARBOC's Disadvantaged Business Enterprise (DBE) goal and methodology for FY 2016 for the period of October 1, 2015–September 30, 2016. This goal submission is required by the U.S. Department of Transportation's DBE regulations at 49 CFR Part 26 and must be implemented in good faith.

We have reviewed your FY 2016 DBE goal and determined that it is compliant with DOT's DBE regulations. You are eligible to bid on FTA-funded transit contracts. This letter or a copy of the TVM listing on FTA's website may be used to demonstrate your compliance with DBE requirements when bidding on federally funded vehicle procurements.

FTA reserves the right to remove/suspend this concurrence if your DBE program or FY 2016 DBE goal is not implemented in good faith. In accordance with this good faith requirement, you must submit your DBE Uniform Report to FTA by December 1, 2015. This report should reflect all FTA-funded contracting activity for the second period of FY 2015 (i.e., from April 1 to September 30).

Please also be mindful that your FY 2017 DBE goal methodology must be submitted to FTA by August 1, 2016. Any updates to the program plan must be submitted to FTA as they occur. Thank you for your cooperation. If you have any questions regarding this approval, please contact the FTA DBE Team via e-mail at FTATVMSubmissions@dot.gov.

Sincerely,

John Day
Program Manager for Policy and Technical Assistance
Office of Civil Rights

Pre-Award Reviewer
Replace This Blank Page
With A Screen Print
Of The
EPLS Report

***NOTE: PAGES 18 THRU 24
ARE TO BE COMPLETED BY ODOT
AT TIME OF THE BID AWARD***

SECTION IV PRE AWARD AUDIT:

A. Purchaser's Certification - 49 CFR 663, subpart B:

The **bidder/vendor** has certified that the vehicle to be provided will be the same product as described in the advertised specification. (See attached consolidated certification form signed by the **bidder/vendor**, part III -A). ODOT certifies that the **bidder/vendor** is responsible and will provide a vehicle that will meet or exceed the specifications.

EXECUTE THE FOLLOWING

PRE-AWARD PURCHASER'S REQUIREMENTS CERTIFICATION

As required by Title 49 of the CFR, Part 663 – Subpart B,

(ODOT)

certifies that the buses to be purchased,

(Number and Description of Buses)

from

(The Manufacturer),

are the same product described in the recipient's solicitation specification and that the proposed **bidder/vendor** is a responsible **bidder/vendor** with the capability to produce a bus that meets the specifications.

Date:

Signature:

Title:

B. BUY AMAERICA - 49 CFR 663, subpart B:

The total price of this purchase is less than the small purchase threshold of \$100,000 and is not subject to Buy America requirements. **OR**

The vehicles provided by the **bidder/vendor** (# of vehicles, make, and model) cannot comply with the Buy America requirements, but may qualify for an exception (see attached consolidated certification form signed by the **bidder/vendor**, part II-A).. **OR**

The **bidder/vendor** has certified that the vehicles (# of vehicles, make, and model) will comply with the Buy America requirements. (See attached consolidated certification form signed by the **bidder/vendor**, part II-A). The **bidder/vendor** has also completed the attached domestic content worksheet. (Or the **bidder/vendor** has provided a certificate from the manufacturer that lists the domestic content of each component, states that the vehicle is composed of at least 60% domestic content, describes construction activities, and gives the location of construction activities.) The agency certifies that the vehicles provided will meet the Buy America requirements.

NOTE: Only one of the following Certifications should be signed, not both.

PRE-AWARD BUY AMERICA COMPLIANCE CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart B,

(ODOT)

is satisfied that the buses to be purchased,

(Number and Description of Buses)

from

(The Manufacturer)

meet all requirements of Section 165(b)(3) of the Surface Transportation Assistance Act of 1982, as amended. The recipient, or its appointed analyst

(The Analyst Not the Manufacturer or Its Agent)

has reviewed documentation provided by the **manufacturer**, which lists (1) the actual component and subcomponent parts of the buses identified by the **manufacturer**, country of origin, and cost; and (2) the actual location of the final assembly point for the buses, including a description of the activities that took place at the final assembly point and the cost of final assembly.

Date:

Signature:

Title:

OR

**If not applicable, execute the following exemption certification
On next page**

B. PRE-AWARD BUY AMERICA EXEMPTION CERTIFICATION

For the Procurement of vehicle(s) that require an FTA waiver:

As required by Title 49 of the CFR, Part 663 – Subpart B,

(ODOT)

certifies that there is a letter from FTA that grants a waiver to the buses to be purchased

(Manufacturer, Number and Description of Buses)

from the Buy America requirements under Section 165(b)(1), (b)(2), or (b)(4) of the Surface Transportation Assistance Act of 1982, as amended.

Date:

Signature:

Title:

C. FEDERAL MOTOR VEHICLE SAFETY STANDARDS (FMVSS) - 49 CFR 663, subpart D:

The **bidder/vendor** has certified that the vehicle complies with relevant **FMVSS** issued by the National Highway Traffic Safety Administration in 49 CFR Part 571 (see attached **FMVSS** certification form signed by **bidder/vendor**). The **PURCHASER** certifies that the vehicles that the vehicles will meet **FMVSS**.

EXECUTE THE FOLLOWING:

EXECUTE THE FOLLOWING (Only one of the following FMVSS Certifications should be signed, not both.

PRE-AWARD FMVSS COMPLIANCE CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart D,

(ODOT)

certifies that it received, at the post-delivery stage, a copy of

(The Manufacturer)

self-certification information stating that the buses,

(Manufacturer, Number and Description of Buses)

comply with the relevant Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 Code of Federal Regulations, Part 571.

Date:

Signature:

Title:

OR

NEXT PAGE

C. PRE-AWARD FMVSS EXEMPTION CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart D,

(ODOT)

certifies that it received at the pre-award stage, a statement from

(The Manufacturer)

indicated that the buses,

(Number and Description of Buses)

will not be subject to the Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 Code of Federal Regulations, Part 571.

Date:

Signature:

Title:

PRE- AWARD CHECKLIST:

THE FOLLOWING CHECKLIST IS TO BE COMPLETED BY THE BUYER AND ODOT PERSONNEL BEFORE BID IS AWARDED.

This checklist will be used to ensure that all required clauses and certifications are included in the vendor=s returned bid packet and that all required certifications have been signed by the vendor.

Section I. FOR ALL BIDS:

Buyer's initial all lines below:

FMVSS CERTIFICATION: Signed by Bidder/Vendor?

- | | | |
|--|----------------------|-------|
| A. Incorporation of Federal Transit Administration Terms: | Initialed by Bidder? | _____ |
| B. Federal Changes: | Initialed by Bidder? | _____ |
| C. DBE Certification: | Initialed by Bidder? | _____ |
| D. Air Conditioning Performance: | Initialed by Bidder? | _____ |
| E. Interest of Members of or Delegates to Congress: | Initialed by Bidder? | _____ |
| F. Prohibited Interest: | Initialed by Bidder? | _____ |
| G. Cargo Preference: | Initialed by Bidder? | _____ |
| H. Energy Conservation: | Initialed by Bidder? | _____ |
| I. Clean Water and Air: | Initialed by Bidder? | _____ |
| J. No Obligation By the Federal Government: | Initialed by Bidder? | _____ |
| K. Program Fraud and False or Fraudulent Statements: | Initialed by Bidder? | _____ |
| L. Contract Work Hours: | Initialed by Bidder? | _____ |
| 1. Overtime requirements: | | |
| 2. Violation; liability for unpaid wages: | | |
| 3. Withholding for unpaid wages: | | |
| 4. Subcontracts: | | |
| 5. Payrolls and basic records: | | |
| M. Civil Rights: | Initialed by Bidder? | _____ |
| 1. Nondiscrimination: | | |
| 2. Equal Employment Opportunity: | | |
| N. Altoona Test Certification completed: | Initialed by Bidder? | _____ |
| 1. Report Summary enclosed? Attached to bid? | | |
| 2. Altoona Test Report # listed by Bidder? | | |
| O. Debarment and Suspensions: | Initialed by Bidder? | _____ |
| 1. EPLS Report from www.epis.gov : Attached to bid by Procuring Agency? | | |

CONTINUED PRE- AWARD CHECKLIST:

Section II.

- A. **Buy America Certification signed:** Signed by Bidder/Vendor? _____
- B. **Domestic Content Worksheet signed:** Signed by Bidder/Vendor? _____
- C. **Lobbying Certification signed:** Signed by Bidder/Vendor? _____

Section III. CERTIFICATION TO PURCHASER:

- A. Completed and signed? _____

The previous checklist was to determine if the Bidder/Vendor read and completed all required necessary documentation. The following checklist is to determine if ODOT signed and completed the required Certifications.

Section IV. PRE AWARD AUDIT (signed by ODOT STAFF)

- A. **Purchaser=s Certification - 49 CFR 663, subpart B:** Executed by ODOT?
Pre-Award Purchaser's Requirements Certification: _____
- B. **Buy America - 49 CFR 663, subpart B:** Executed by ODOT?
**Pre-Award Buy America Compliance Certification, or
Pre-Award Buy America Exemption Certification:** _____
- C. **FMVSS - 49 CFR 663, subpart D:** Executed by ODOT?
**Pre-Award FMVSS Compliance Certification, or
Pre-Award FMVSS Exemption Certification:** _____

I hereby attest that each item was reviewed and that my initials above indicate that the item was properly executed on this date.

ODOT

Date

ODOT Reviewer

Date

***NOTE: PAGES 26 THRU 32
ARE TO BE COMPLETED BY THE PURCHASER
AT TIME OF VEHICLE DELIVERY***

SECTION V POST DELIVERY AUDIT:

A. Purchaser's Certification - 49 CFR 663, subpart C:

After visually inspecting and road testing the contract buses, the agency certifies that the (# of vehicles, make, and model) meet the contract specifications.

- or, Grantees in areas with populations of 200,000 or less that purchase more than 20 buses.

The agency's resident inspector monitored manufacturing and completed a report providing accurate records of all construction activities. The report addresses how the construction and operation of the vehicles fulfill the contract specifications. After reviewing the report, visually inspecting and road testing the contract buses, the agency certifies that the (# of vehicles, make, and model) meet the contract specifications.

EXECUTE THE FOLLOWING:

NOTE: Only one of the following Certifications should be signed, not both.

POST-DELIVERY PURCHASER'S REQUIREMENTS CERTIFICATION

As required by Title 49 of the CFR, Part 663 – Subpart C, after visually inspecting and road testing the contract buses,

(The Purchaser)

certifies that the buses,

(Number and the Description of Buses)

from

(The Manufacturer),

meet the contract specifications.

Date:

Signature:

Title:

OR

NEXT PAGE

A. POST-DELIVERY PURCHASER'S REQUIREMENTS CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart C,

(The Purchaser)

certifies that a resident inspector,

(Not an Agent or Employee of the Manufacturer),

was at manufacturing site during the period of manufacture of

(Number and Description of Buses)

The inspector monitored manufacturing and completed a report on the manufacture of the buses providing accurate records of all bus construction activities. The report addresses how the construction and operation of the buses fulfill the contract specifications. After reviewing the report, visually inspecting the buses, and road testing the buses, the recipient certifies that the buses meet the contract specifications.

Date:

Signature:

Title:

B. BUY AMERICA - 49 CFR 663, subpart C:

The total price of this purchase is less than the small purchase threshold of \$100,000 and is not subject to Buy America requirements. **OR**

The agency certifies that there is a letter from FTA, which grants a waiver to the vehicles provided by the vendor (# of vehicles, make, and model) from the Buy America requirements, under Section 165 (b)(1), (b)(2), or (b)(4) of the Surface Transportation Assistance Act of 1982, as amended. **OR**

The agency certifies that it is satisfied that the (# of vehicles, make, and model) meet the requirements of Section 165 (b)(3) . The agency has reviewed documentation provided by the **manufacturer** that lists the domestic content of each component, states that the vehicle is composed of at least 60% domestic content, describes construction activities, and gives the location of final construction activities.

NOTE: Only one of the following Certifications should be signed, not both.

POST-DELIVERY BUY AMERICA COMPLIANCE CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart C,

(The Purchaser)

certifies that the buses received are in fact what they ordered and are satisfied with the,

(Number and Description of Buses)

from

(The Manufacturer)

meet the requirements of section 165(b)(3) of the Surface Transportation Assistance Act of 1982, as amended. The recipient or its appointed analyst

(The Analyst Not the Manufacturer or Its Agent)

has reviewed documentation provided by the **manufacturer**, which lists (1) the actual component and subcomponent parts of the buses identified by the **manufacturer**, country of origin, and cost; and (2) the actual location of the final assembly point for the buses, including a description of the activities that took place at the final assembly point and the cost of final assembly.

Date:

Signature:

Title:

OR

**If not applicable, execute the following exemption certification
On next page**

C. FEDERAL MOTOR VEHICLE SAFETY STANDARDS (FMVSS) - 49 CFR 663, subpart D:

The vendor has certified that the vehicle complies with relevant FMVSS issued by the National Highway Traffic Safety Administration in 49 CFR Part 571 (see attached FMVSS certification form provided by the bidder upon vehicle delivery). The agency certifies that the vehicles provided meet FMVSS.

EXECUTE THE FOLLOWING:

NOTE: Only one of the following Certifications should be signed, not both.

POST-DELIVERY FMVSS COMPLIANCE CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart D,

(The Purchaser)

certifies that it received, at the post-delivery stage, a copy of

(The Manufacturer)

self-certification information stating that the buses,

(Manufacturer, Number and Description of Buses)

comply with the relevant Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 Code of Federal Regulations, Part 571.

Date:

Signature:

Title:

OR

NEXT PAGE

C. POST-DELIVERY FMVSS EXEMPTION CERTIFICATION:

As required by Title 49 of the CFR, Part 663 – Subpart D,

(The Purchaser)

certifies that it received, at the Post-delivery stage, a statement from

(The Manufacturer)

indicating that the buses,

(Number and Description of Buses)

are not subject to the Federal Motor Vehicle Safety Standards issued by the National Highway Traffic Safety Administration in Title 49 Code of Federal Regulations, Part 571.

Date

Signature

Title

POST DELIVERY AUDIT

THE FOLLOWING CHECKLIST IS TO BE COMPLETED BY THE BUYER AND ODOT PERSONNEL BEFORE THE VEHICLE(S) ARE ACCEPTED.

Section V VEHICLE DELIVERY CHECKLIST: (to be signed by buyer upon acceptance of vehicle)

Buyer initials all lines below:

A. Purchaser's Certification - 49 CFR 663, subpart C:

Post-Delivery Purchaser's Requirements Certification or
Post-Delivery Purchaser's Requirements Certification (Inspector): _____

B. Buy America - 49 CFR 663, subpart C:

Post-Delivery Buy America Compliance Certification or
Post-Delivery Buy America Exemption Certification: _____

B. FMVSS - 49 CFR 663, subpart D:

Post-Delivery FMVSS Compliance Certification or
Post-Delivery FMVSS Exemption Certification: _____

Section VI CERTIFICATION OF DELIVERY:

By executing this document,

- A. You hereby request that a Lien Entry Form – Motor Vehicle be issued naming the Oklahoma Department of Transportation as Secured Party and that said form(s) will be delivered by the purchaser to a local tag agent for executing and**
- B. Assure the vehicle be used in accordance with the federal regulations and current provisions, as applicable.**

I hereby attest that each item was reviewed and that my initials above indicate that the item was properly executed.

Purchaser

Date

ODOT Reviewer

Date



15580 Hwy 114
Justin, TX 76247
800.282.7981 or 817.636.2365
Fax: 817.636.2947
www.nationalbussales.com

VENDOR INTRODUCTION

NATIONAL BUS SALES AND LEASING SERVICING CAPABILITY

OVERVIEW:

Founded in 1974, National Bus has experienced tremendous growth over the last 40 years. The senior management of the company recognized from a very early stage that competent, ethical and skilled employees coupled with investment in service structure were two things that were absolutely essential in growing a successful business. National has remained steadfast on these core competencies as well as other benefits to give the end user the best overall value when purchasing a bus.

NBS SERVICE LOCATIONS

National currently has 12 locations throughout the Southeast, Southwest and Mid Atlantic. Potentially of greater value, NBS has hundreds of satellite service centers in all 50 states as well as Canada and many islands in the Caribbean. This infrastructure allows us to service accounts all over the US, without sacrifice of time or quality of service. Our company owned service locations include:

- | | | |
|----------------------------|-------------------------|------------------------|
| -Marietta Georgia | -Jackson Mississippi | -Conway Arkansas |
| -Justin Texas | -Albuquerque New Mexico | -Bradenton Florida |
| -Charlotte, North Carolina | -Fishersville Virginia | -Waynesboro Virginia |
| -Capital Heights Maryland | -Elkhart, Indiana | -New Orleans Louisiana |

MOBILE SERVICE VEHICLES

National recognizes that it may not be convenient for our customers to bring their bus to us for periodic maintenance or repairs. As such, in the interest of providing the very best support to our customer base, National has invested in a fleet of mobile service trucks/vehicles. The service vehicles are equipped with state of the art equipment to handle most common repair issues at the customer's location. More importantly, the technicians that arrive with the vehicles are knowledgeable, friendly, efficient, and incredibly skilled at getting buses back on the road. National currently employs 12 mobile service vehicles, 4 of which are based out of our Texas office.

Quality Management System

We represent many renowned bus manufacturers, all of which are focused on continual improvement of their product offering. With that in mind, the majority of the manufacturers are ISO 9001 certified and have adopted a lean methodology in their manufacturing process. This focus on quality allows National to provide a superior finished product to its customers. As a follow to the manufacturers quality processes National has formed an Executive Management team (EMT) headed by our Chairman John Smith and comprised of senior leadership within the company. The core responsibilities of the EMT revolve around continual improvement of the buying experience and ensuring service after the sale meets the expectations of the client.

PARTS AVAILABILITY

Part sales are a part of the bus sale business that National has fully embraced. NBS understands that if a vehicle is down and waiting on a part, it is most likely losing valuable revenue every day the part is delayed. National hosts a team of over 20 full time employees that are dedicated to fielding phone calls relating to parts and fulfilling order (s) in the most efficient and effective way possible. Our team is knowledgeable and passionate about getting you the right part at the right price as quickly as possible.

VERTICAL SALE AND SUPPORT PROCESS

Customers will be given one primary point of contact (POC) for the entire sale and support process. National believes it is important that customers have clear communication channels should they have questions regarding any part of the consulting, sales or support process. Brent Roy will be the primary contact for all sub-grantees of NCTCOG. Brent has 13 years of transit bus sales experience with National Bus Sales with primary focus on the public transit market. His excellent reputation in the industry reflects the integrity and aggression he exhibits in the support of his customer base. Secondary contacts include Kevin Rupe – Service Manager, Erica Ellison – Warranty Administrator, Jennifer Cobb – Sales Coordinator, and Ray Healy – Regional VP. Having a primary POC and the support staff of NBS means the customer will never have to be involved in dealing directly with the body manufacturer, chassis dealer or any of the many component manufacturers on your vehicle.

Your New Bus

AFTER-PURCHASE SERVICE PLAN



NATIONAL BUS SALES & LEASING, INC.

Texas Shipping Address: 15580 Texas 114 ■ Justin, TX 30062
(817) 636-2365 ■ (800) 282-7981

VISIT US ON THE WEB: www.NationalBusSales.com

Or order your parts online at www.NationalBusParts.com

*Now that we're partners, we want you to know
how you can count on us for support.*

PLEASE READ ON...

Table of Contents

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SERVICE INFORMATION

Questions and Answers about Service 5-6

PARTS INFORMATION

Questions and Answers about Parts 7



Delivery

QUESTIONS AND ANSWERS REGARDING THE DELIVERY OF YOUR NEW BUS

What can I expect when my bus is delivered?

All buses will be delivered to the Justin Service Center prior to shipping to your location. A Pre-Delivery Inspection (PDI) will be performed on each vehicle by the Service Support Manager team at the Service Center to make certain the bus is equipped per the order and that any minor items that might need to be addressed, are corrected. You will also have the opportunity to go to the Justin Service Center to review the bus during the PDI.

At the time of delivery or soon afterwards (based on your preference), you can expect an orientation on the bus. The National Bus Sales representative with whom you have been working will provide the orientation.

What do I do if I have problems or questions regarding the delivery of my bus?

Call your Sales Manager, Brent Roy at (817) 909-6706 or Service Manager, Kevin Rupe at (817) 636-2365. We will see that your needs will be promptly met!

What kind of maintenance procedures do I need to follow as soon as the bus is delivered to my facility?

You will want to perform routine checks such as fluid levels, belts, hoses, and proper tire pressure. You will want to ensure all safety and operational systems are functioning properly.

National Bus Sales and/or the bus manufacturer, as part of our standard procedures, have thoroughly checked all these items before delivery to you.

National's Sales Directory

Commercial Sales Staff (Please see Org Chart for more detail)

Blake Beach	President	Office 1-770-795-4214 bbeach@nationalbussales.com
Ray Healy	Regional Vice President	Mobile 949-307-6865 rhealy@nationalbussales.com
Brent Roy	Regional Sales Manager	Mobile 512-909-6706 broy@nationalbussales.com
CJ Marks	Service Support Manager	Mobile 940-205-8979 cmarks@nationalbussales.com
Whitney Ramsey	Warranty Administrator	Office 817-636-6340 wfox@nationalbussales.com
Jennifer Cobb	Sales Coordinator	Office 817-636-6314 jcobb@nationalbussales.com

Service

QUESTIONS AND ANSWERS REGARDING SERVICE

Who do I call if one of my buses needs maintenance, repair, body work, an option installed, or some other kind of service?

Call Brent Roy, or our Texas Service Department at Toll Free 1 800-282-7981. Our robust service offering and resource base allows for flexibility to deploy quickly and efficiently to any of our client locations. Our focus is on after sales support; we sell through service and support and are pleased to help you!

What kinds of service work can I expect the National Bus Sales Service Facility to perform?

National is fully prepared to meet your bus service needs. We are experts in installing special options like wheelchair lifts, wheelchair securement, air conditioners, and roof vents. We can, also, provide service as it relates to chassis and body repair.

Our service facility can meet your extremely important routine maintenance functions, ensuring all Warranty prerequisites are met.

If you need major repairs, like engine work, transmission or brake repairs, we will make sure your bus is operational as soon as possible.

If you have sustained body damage and need repairs, your needs can be met at the National Bus Sales service facility and/or Body Repair Facility.

How long will it take to get my bus repaired?

Of course, the length of time necessary to repair your bus will depend on the type of repair necessary, its severity, and the availability of parts.

It is the goal of National Bus Sales to expedite repairs. Once an assessment has been made, we will be able to give a more accurate estimate of repair time.

What can I expect to pay?

National's Service Department rates are both reasonable and competitive. Each job will be evaluated so that you receive the level of service needed to best accommodate the repair. We provide written estimates upon request.

Service

What kind of Warranty do I receive on the service work performed?

Our standard policy is to provide a 90 day Warranty covering parts and labor on any service work we perform. Any other arrangements for specialized services need to be agreed upon in writing prior to the work being performed.



Parts

QUESTIONS AND ANSWERS REGARDING PARTS

Who do I call if I need parts for my bus?

There are 2 options, you can contact either of the following people and we will be happy to assist. Parts – Chris Cabrera, Parts Representative (940) 535-8701 or Regional Sales Manager- Brent Roy (817) 909-6706 and we will be happy to serve you!

How quickly can I expect to receive the parts I order?

Approximately 90% of all orders received by 3:00 p.m. will ship the same day. Our standard procedure is to ship parts via UPS or motor freight (F.O.B. Justin, TX or Marietta, Georgia if they are not stocked in Justin, TX). Should you require guaranteed service, inform your order analyst.

May I come by your facility and pick up the parts I need?

Of course! We would be happy to see you and get the parts you need while you wait. This would be an excellent time to meet face-to-face with the people responsible for servicing your account.

What if you do not have the parts I need in stock?

In most cases your order can be drop-shipped from the vendor. National can expedite shipping to meet your needs. Should the vendor or manufacturer not have the component you need, we will source the part with other manufacturers to expedite shipping.

Can I order parts online?

Yes at www.nationalbusparts.com.

National Bus Sales accepts checks and all major credit cards.



Thank you for making National Bus Sales your “One Stop Bus Shop!”

Be sure to visit our Web site: www.NationalBusSales.com

[And www.NationalBusParts.com](http://www.NationalBusParts.com)

Spirit of Liberty



Patents 7,802,801. 8,371,589



Introducing the ARBOC **Spirit of Liberty**. Finally, a rear-engine medium duty low-floor bus with unmatched floorplan flexibility. The **Liberty** can accommodate up to 37 passengers with an industry leading 6 wheelchair positions. A truly accessible bus for ALL passengers with no steps throughout the bus! ARBOC's patented technology, offers an angled entranceway while exceeding ADA guidelines with a 1:6 ramp slope for passengers in need of extra assistance and wheelchair accessibility. Backed by a Cummins ISB 6.7L diesel engine and Allison transmission, serviceability and reliability make the **Spirit of Liberty** the right choice as your transportation solution!

Accessibility for Everyone



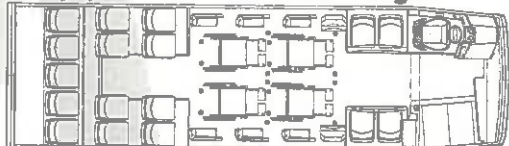
For more information Please Contact us at
Phone - 574.825.4880 Fax - 574.825.1750
51165 Greenfield Pkwy. Middlebury, IN 46540

CHASSIS SPECIFICATIONS

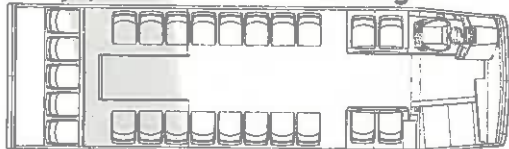
- Chassis - Freightliner Custom Chassis-XBA
- 2013 OBD/2010 EPA/GHG14 Compliant
- Engine - Cummins ISB 6.7L Diesel
- Engine Horse Power - 240 @ 2600 RPM
- Torque - 560 ft. lbs. @ 2600 RPM
- Gross Vehicle Weight (GVWR) - 25,990# (11748kg)
- Gross Axle Weight (Front) - 10,000# (4536kg)
- Gross Axle Weight (Rear) - 17,500# (7938kg)
- Estimated Curb Weight - 16,500# (7884kg)
- Axle Ratio - 5.13:1
- Transmission - Allison B220 Heavy Duty 6-Speed Automatic
- Transmission Shifter - Electronic Push Button w/Park Pawl
- Transmission Cooler
- TRW THP-60 Power Steering Gear
- Air Park Brake - Transmission Mount Drum
- Front Kneeling Air-Spring Suspension w/Electronic Height Control
- Cummins Engine Driven Air Compressor (Single Cylinder 32 CFM)
- Meritor-Wabco Twin Air-Dryer w/Heater
- Air Pressure Gauge w/Buzzer & LED Indicator Light
- Wheels 19.5" x 6.5", 8 Lug
- Tires - 245/70 R 19.5
- Front Hydraulic Brakes/Disc w/Anti-Lock - Bosch 66mm
- Rear Hydraulic Brakes/Disc w/Anti-Lock - Bosch 73mm
- Fuel Tank- 70 Gal (265 Liters) - Mid-Ship Between the Frame Rails
- C/S & R/S Fuel Fills Available
- Radiator Capacity - 11 Gallons (41.63 Liters)
- Radiator Fan Speed Control Type - Electric Clutch
- Engine Thermostat Temp Setting - 190 Degrees
- Overheat Alarm Temp Setting - 225 Degrees
- In-Line Circulation Pump
- Engine Block Heater
- Oil Filter - Full Flow/Disposable Type
- Air Cleaner - Heavy Duty Canister Type
- Front and Rear Mud Flaps
- Steel Front and Rear Bumper- painted Black
- Exhaust Location - Curb side Roof
- Daytime Running Lights
- Horn / Dual Note Tone
- Cruise Control
- Rear Tow Hooks

FLOOR PLANS

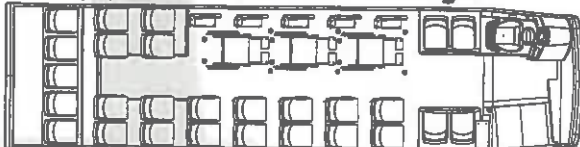
29ft, 150" WB - 31 Passenger



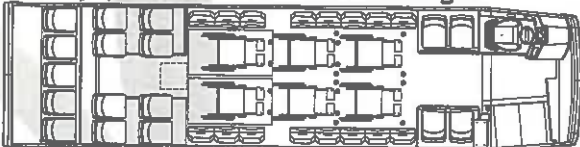
29ft, 150" WB - 25 Passenger



34ft, 202.5" WB - 37 Passenger



34ft, 202.5" WB - 33 Passenger



STANDARDS

BASE MODELS

- SOL 29 150" WB (3.81M) / 29'-8" (9.04M) Overall Length
- SOL 34 202.5" WB (5.14M) / 34'-6" (10.36M) Overall Length

CONSTRUCTION

- All Tubular Steel Cage Construction w/E-Coat for Anti-Corrosion
- Fully Laminated, Bolt & Bonded Construction
- 5/8" Engineered Wood Floor
- Body Width: 100" (2.54M) - or 121.5" (3.08M) w/ext. mirrors
- Exterior Height: 120" (3.04M) - does not include roof hatch or AC
- Interior Height (Front) - 85"/2.16 M
- Interior Height (Rear) - 79"/2.00 M
- Interior Width - 97"/2.46 M
- Entrance Step Height @ Ride Height - 12.5"/317.5 MM
- Entrance Step Height when kneeling - 10"/254 MM
- Seating Capacity: Up to 37 Passengers (up to 6 Wheelchairs)
- Altosna Tested- 7 Years/200,000 Miles (pending)
- Meets all applicable FMVSS Regulations

ELECTRICAL

- 12-Volt Electrical System
- Battery/Group 31 - (2) Heavy Duty 1520 CCA Total
- Alternator - 270-AMP Leece Neville
- Fast Idle
- Ramp Activation System (Includes: Exterior Ramp Toggle Switch)
- "ONE TOUCH" Kneel Switch
- Interior Passenger Lights "ON" with door
- Master Battery Disconnect Switch
- Battery Box (curb-side rear)
- Power Port 12-Volt

EXTERIOR BODY/LIGHTS

- Black Rubber Rear Wheel Well Flares
- One Piece Exterior FRP Wall/Skirt
- All Exterior Lights-LED (Incl. Standard Rear Center Mounted Brake Light)

INTERIOR

- Driver's Seat- USSC G2E Evolution w/ Power Seat Base (right hand armrest)
- Driver's Hvac
- Driver's Side Sun Visor
- Left Hand Stanchion - Stainless Steel
- Right Hand Stanchion - Stainless Steel
- Entry Assist Handles - Stainless Steel
- One Piece FRP Interior Walls/Ceiling
- Door Header Access Panel
- Driver's Area Storage Compartment

MIRRORS/SAFETY

- Interior Convex Mirror
- Velvac Remote Exterior Mirrors
- Entrance Door Grab Handles
- White Standee Line w/Sign
- Egress Window Lights
- Alarm Backup

WINDOWS/DOORS

- Extra Egress Window Front Driver Side
- Solid Framed Windows (Optional T-slider or bonded frameless)
- Electric Outward 39" Wide Clear Opening Entrance



MEMBER OF



MEMBER OF



ISO 9001

CERTIFIED

Effective: 6/1/2015

ARBOC

Specialty Vehicles

PRICE LIST & ORDER FORM

Spirit of Liberty

2015

PO Box 61, 51165 Greenfield Pkwy., Middlebury, IN 46540

Phone: 574-825-1720 Fax: 574-825-1750

Date: 6/18/2015

Dealer: National Bus

Customer: Texarkana

Address:

Address:

City/State/Zip:

City/State/Zip:

Contact: Brent Roy

Contact:

Phone:

Phone:

Applicable Bid:

Delivery Method: Ship _____ Dealer Pick Up _____

Payment Method: COD _____ Floor Plan Company _____ Floor Plan Code _____ PO# _____

Seat Fabric Color _____ Floorplan Layout Attached yes _____ no _____

Paint Scheme Attached yes _____ no _____

Base Model - 01		Qty	Price	Extended Price	Notes
CHASSIS					
34 - 202.5"WB DSL 25,990 GVWR		1			
Chassis - 02					
Mud Flaps Front & Rear	STD	1			
Stainless Steel Versa Liner Wheel Inserts (4/set) includes valve stem extenders - 19"	02-011	1			
Tow Hooks Rear	STD	1			
Altro Flooring - Storm Grey (no coving on sides)	STD	1			
STANDARD STEEL FRONT BUMPER AND ENERGY ABSORBING TRANSPER REAR BUMPER WITH ANTI RIDE	02-0016FR	1			
Mirrors - 03					
Interior Convex Mirror	STD	1			
Remote/Htd Velvac	STD	1			
INTERIOR PASSENGER MIRROR 6 X 16 FLAT	03-025	1			
Windows - 04					
Solid Frameless Windows (with Black out mullions)	04-053	1			
Exterior - 05					
Stop Light Independent Turn	STD	1			
Side Turn Marker Lights (includes Armoring) LED	STD	1			
Rear Center Brake Light LED	STD	1			

NOTE: All prices FOB Middlebury, IN. Prices subject to change without notice. 6/1/15 AMS-027

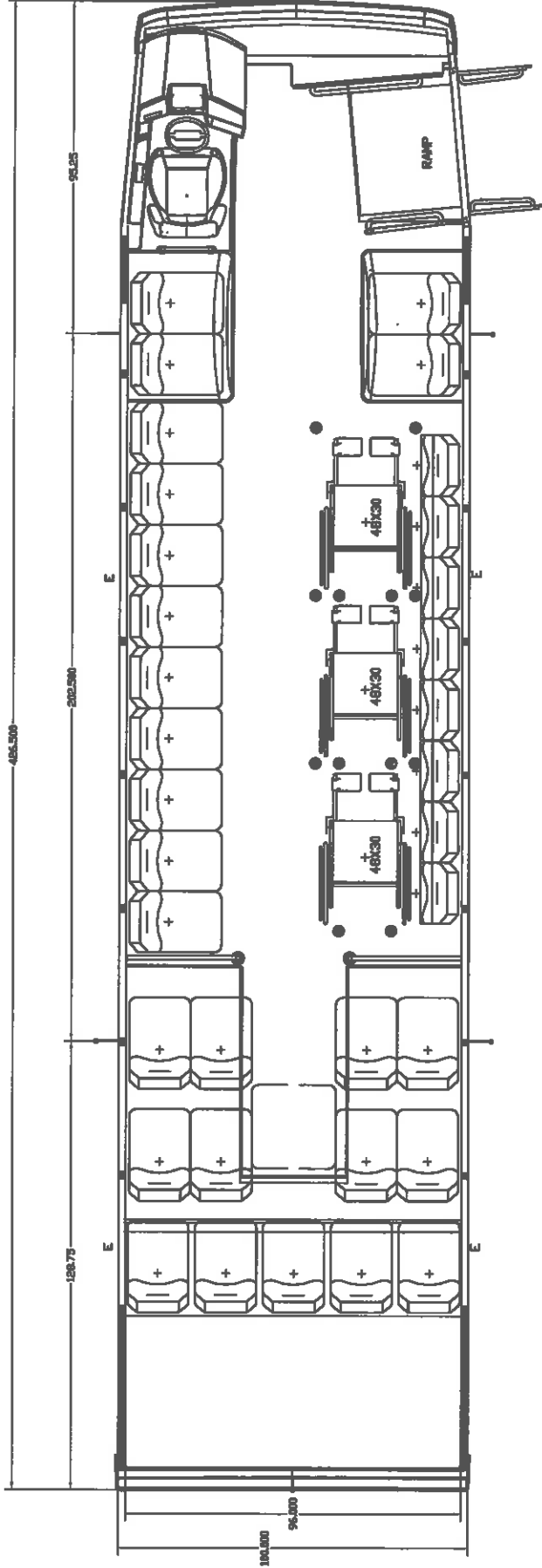
Ext Light at entry door LED	STD	1			
Armoring for Front & Rear Marker Lights (10)	STD	1			
Interior Lights on w/door opening LED	STD	1			
TRAFFIC LIGHT- ARROW STICK	05-084	1			
Door/Hatch/Luggage - 06					
Roof Hatch - Transpec Econo #1976	STD	1			
Advertising Racks - Interior	06-130	1			
Sportworks DL2 Bike Rack	06-131	1			
Electrical - 07					
Alarm Backup	STD	1			
Air Pressure Gauge	STD	1			
Fast Idle	STD	1			
Egress Window Lights (match # of Egress Windows)	STD	5			
Rearview Surface mounted 3rd Brake light Back Up Camera w/Dash Mounted 7" Monitor	STD	1			
Rear Run Box	STD	1			
TRANSIGN FRONT & SIDE LED DESTINATOR DESTINATION SIGNS	07-178	1			
Audio - 08					
Passenger Stop Request - Easy Stop Wireless Buttons with C-Storm chimes	08-223C	1			
AM/FM/CD w/6 Speakers w/PA System w/ hand held microphone REI	08-236R6	1			
Outside Speaker w/switch (separate interior/exterior)	08-241	1			
DRIVER'S EFFECTS BOX FOR DVR	08-639	1			
Interior Environment - 09					
ACC DUAL 100K TROPICOL TC8043 ROOFTOP CON	09-314acd432	1			
Heaters					
65K BTU Heater Low Profile - rear	09-289	2			
In-Line circulating pump	STD	1			
Engine Block Heater	STD	1			
Dash Mounted Defrosted Fans w/switch	STD	1			
Brass shut off valve	09-299	1			
Interior - 10					
Diamond XV Fare box w/2 Vaults	10-303	1			key code
Diamond D10 Stand	999	1			
LH Entry Stanchion w/Grab Handle Yellow Powdercoat	10-342Y	1			
RH Entry Stanchion w/Grab Handle Yellow Powdercoat	10-345Y	1			
Ceiling Grab Rail (2) Yellow Powdercoat	10-349Y	1			
Hand Handles on Main Entry Doors Yellow Powdercoat	10-353Y	1			
Driver Stanchion W/Modesty Panel & Plexiglass - Yellow Powdercoat	10-361Y	1			

NOTE: All prices FOB Middlebury, IN. Prices subject to change without notice. 6/1/15 AMS-027

Modesty panel w/Stanchion front edge of riser over rear axles (note curbside or roadside)		2			
Seating - Driver - 11					
CG2 Driver Seat w/Air Ride Suspension w/wide back and 3 Chamber Lumbar Support	11-381AW	1			
Seating - Passenger -12					
Freedman Seats - Featherweight					
Mid High Double Seat	12-427D	10			
Mid High Single Seat	12-427S	6			
Flip Seat Double	12-432D	4			
Seating - Accessories - 13					
Grab Handle at top of seat back-black padded Mid/Low Back Seats	13-460	8			
Seating Trim Levels - 14			Click here to view fabric availability Fabric Color Code Required		
Seat Cover - Level 5 per seat	14-555	34			
Safety - 15					
Safety Kit, includes 5lb fire extinguisher, 16 Unit First Aid Kit & triangle kit	15-5995	1			
Standee Line W/ Sign Yellow (front & rear)	STD	1			
ADA - 16					
Q'Straint Q8100-A-SC3 (Slide & Click) 4 Deluxe Retractors (Q8-6200-SC) 1 - Retractable Shoulder Belt Reel (Q5-6415-RET-ASL) Regular lap belt w/ pin connector (Q8-6325)	16-693	3			
Vvneel chair belt storage under seat Qstraint TDSS Slide&Click	16-719	3			
ADA Decals (included in tiedown kit)	STD	3			
Wheelchair Decal (included in tiedown kit)	STD	3			
Entry Ramp w/Intermotive - Braun 34" x 62"	16-113	1			

LINCOLN TRUCKS COMPANY, CURRENT MODEL PARTS, WATER BUS			
REV	DATE	BY	DESCRIPTION
1	10/18/11	ECN	REWORKING
2			REWORKING
3			REWORKING
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6			REWORKING
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100			REWORKING

NOTES
1. E-EGRESS WINDOW LOCATION



ARBOC SPECIALTY VEHICLES CLAIMS PROPRIETARY RIGHTS IN THE MATERIAL DISCLOSED HEREON. NEITHER THE DRAWING NOR ANY REPRODUCTION THEREOF MAY BE USED TO MANUFACTURE ANYTHING WITHOUT THE WRITTEN PERMISSION OF ARBOC SPECIALTY VEHICLES. INFORMATION CONTAINED HEREON MAY BE THE EXPRESS PROPERTY OF ARBOC SPECIALTY VEHICLES AND PROTECTED IN THE FORM OF A U.S. PATENT.

NAME: FLOOR PLAN, 34PS-3VC-202SD-SL3400
DRAWN BY: SRD
DATE: 6/1/16
DRAWING NUMBER: 1215257
REVISION: -
SHEET: 1 OF 1

TECHNICIAN: *Scott Defrees*

2015		TOTAL OK	
FRONT AXLE OK	REAR AXLE OK		

	SPIRIT OF LIBERTY	
GENERAL DIMENSIONS	SOL 3000	SOL 3500
Gross Vehicle Weight (GVWR)	25,990# / 11748kg	25,900# / 11748kg
Gross Axle Weight (Front)	10,000# / 4536kg	10,000# / 4536kg
Gross Axle Weight (Rear)	17,500# / 7938kg	17,500# / 7938kg
Estimated Curb Weight	16,500# / 7884kg	N/A
Wheel Base	150" / 3.81 M	202 1/2" / 5.143 M
Overall Body Length (Steel Bumpers)	29' 8" / 9.04 M	34' 6" / 10.36 M
Overall Body Length (Energy Absorbing Bumper)	30' 2" / 9.29 M	34' 10" / 10.61 M
Approach Angle	9°	9°
Departing Angle	8.7°	8.7°
Break Over Angle	12°	10°
Overall Body Height / w/o Hatch or A/C	120" / 3.04 M	120" / 3.04 M
Overall Body Width (w/o mirrors)	100" / 2.54 M	100" / 2.54 M
Overall Body Width (w/mirrors)	121.5" / 3.08 M	121.5" / 3.08 M
Interior Height (Front)	85" / 2.08 M	85" / 2.08 M
Interior Height (Rear)	79" / 2.00 M	79" / 2.00 M
Interior Width	97" / 2.46 M	97" / 2.46 M
Entrance Step Height @ Ride Height	12.5" / 317.5 MM	12.5" / 317.5 MM
Entrance Step Height when kneeling	10" / 254 MM	10" / 254 MM
Fuel Tank Capacity	70 gal / 265 L	70 gal / 265 L
Front Track Width	85" / 2159 MM	85" / 2159 MM
Front Overhang w/Steel Bumper	89.75" / 2274 MM	89.75" / 2274 MM
Front Overhang w/Energy Absorbing Bumper	94.75" / 2406 MM	94.75" / 2406 MM
Rear Overhang w/Steel Bumper	115.93" / 2944 MM	115.93" / 2944 MM
Rear Overhang w/Energy Absorbing Bumper	120.93" / 3071 MM	120.93" / 3071 MM
Height Under Vehicle (Lowest Point)	6" / 152.9 MM	6" / 152.9 MM
Turning Diameter	48' / 14.63 M	59' 2" / 18.03 M
Aux Port in Fuel Tank / Sending Unit	Standard	Standard
CHASSIS SPECIFICATIONS	SOL 2950	SPL 3400
Chassis	Freightliner XBA chassis	Freightliner XBA chassis
Engine	Cummins 15B 6.76 Diesel	Cummins 15B 6.76 Diesel
Engine Horse Power	240 @ 2600 RPM	240 @ 2600 RPM
Vehicle Top Speed	70 MPH	70 MPH
Torque	560 F / 165 @ 2600 RPM	560 F / 165 @ 2600 RPM
Standard Axle Ratio	5:29:01	5:29:01
Battery / Group 31 (Alliance Batteries)	(2) Heavy Duty 1520 CCA	(2) Heavy Duty 1520 CCA
Electrical System Voltage	12V	12V
Alternator / Leece-Neville (model #A0014944PA)	270 AMP / 12 V	270 AMP / 12 V
Transmission	Allison B220 Heavy Duty 6 Speed	Allison B220 Heavy Duty 6 Speed
Transmission Cooler (Thermo Dynamics #22838)	Standard	Standard
Park Brake	Transmission Mount Drum	Transmission Mount Drum
Oil Filter	Full Flow / Disposable Type	Full Flow / Disposable Type
Air Cleaner	Ecolite Heavy Duty Canister Type	Ecolite Heavy Duty Canister Type
50 State Emissions	Standard	Standard
Radiator Manufacturer	Titan X / Aluminum	Titan X / Aluminum
Radiator Part Number 1040410	Standard	Standard
Radiator Capacity	11 gallons	11 gallons
Radiator Fan Speed Control Type	Electric Clutch	Electric Clutch
Engine Thermostat Temp Setting	190 Degrees	190 Degrees
Overheat Alarm Temp Setting	225 Degrees	225 Degrees
Power Port (1) 12 V	Standard	Standard
Radiator / rear DS Mount	741 sq/in Aluminum Side Mount	741 sq/in Aluminum Side Mount
Transmission Ratio / 1st Gear 3.1, 2nd Gear 1/81 3rd Gear 141, 4th Gear 1.00, 5th Gear .71, 6th Gear .61	Standard	Standard

Transmission Ratio Reverse - 4.49	Standard	Standard
Transmission Shifter	Electronic 6 Speed	Electronic 6 Speed
Starter Motor (Delco 29MT Part #82200571)	Standard	Standard
Fuel Type	Diesel	Diesel
Rear Drive Axle Model	Detroit / Model # 19K 2N	Detroit / Model # 19K 2N
Rear Axle Ratio	5:13:01	5:13:01
Front Drop Axle Model	Meritor / Model MFS 10	Meritor / Model MFS 10
Shocks	Sachs	Sachs
Wheels (Accuride #50/80)	19.5" x 6.5"	19.5" x 6.5"
Tires	Michelin 245 / 70 R 19.5	Michelin 245 / 70 R 19.5
Tire Type	XZE	XZE
Load Range	H	H
Min. Max. PSI	75 psi / 517 kpa -- 120psi / 830 kpa	75 psi / 517 kpa -- 120psi / 830 kpa
Max Load Range (Single)	4940lbs @ 120psi / 2240kg @ 830kpa	4940lbs @ 120psi / 2240kg @ 830kpa
Max Load Range (Dual)	4675lbs @ 120psi / 2120kg @ 830kpa	4675lbs @ 120psi / 2120kg @ 830kpa
C/S & R/S Fuel Fills Available	Standard	Standard
Lug Nut Count	8	8
Approx. Wheel Weight	59lbs	59lbs
Wheel Offset (in)	5.60" / 142.23 mm	5.60" / 142.23 mm
Installed Valve	TR575	TR575
Dual Rear Wheels	Standard	Standard
Horn / Dual Note Tone	Standard	Standard
Tilt Steering Wheel	Optional	Optional
Power Steering	Hydraulic w/ TRW Steering Gear	Hydraulic w/ TRW Steering Gear
Power Steering Pump TRW Model (EV181619L10101)	Standard	Standard
Brakes, Hydraulic Actuated Disc w/Anti-lock	Standard	Standard
Front Hydraulic Brakes / Disc	Bosch 66mm	Bosch 66mm
Rear Hydraulic Brakes / Disc	Bosch 73mm	Bosch 73mm
Exhaust system shall be equipped with a heavy duty, corrosion resistant exhaust system which meets or exceeds FMVSS and EPA noise level and exhaust emission (smoke and noxious gas) requirements. Exhaust hangers shall be standard equipment and shall be welded to the frame. Exhaust U-bolts shall be used in connections with thread orientation must be directed instead of welded. Exhaust hangers will be bolted to frame on our side upwards.	Standard	Standard
Suspension System	Dual Air Springs @ each Axle w/Electronic Height Control	Dual Air Springs @ each Axle w/Electronic Height Control
Driver's HVAC	Dedicated Driver HVAC Standard	Dedicated Driver HVAC Standard
Traction Control	N/A	N/A
Air Compressor / (Single Cylinder 32 CFM)	Cummins Internal Engine Driven Air Compressor	Cummins Internal Engine Driven Air Compressor
VEHICLE BODY SPECIFICATIONS		
	SOL 2950	SPL 3400
Altoona Tested 7yr 200,000 miles	Standard	Standard
FMVSS 220 Tested	Standard	Standard
Steel Cage Construction w/E-Coating 1500hr Salt Spray	Standard	Standard
Bus Equipped w/ Kneel Feature	Standard	Standard
1:6 Ramp Angle	Standard	Standard
ADA Compliant	Standard	Standard
Door Drive Machine	12v Mechanical Gear Drive STD.	12v Mechanical Gear Drive STD.
Dual Panels w/Full Length Window	Standard	Standard
Door Clear Opening	39" x 82"	39" x 82"
Door Clear Opening (w/entry grab handles)	35" x 82"	35" x 82"
Door Sensitive Edge	Optional	Optional
Entry Door @ 5° Angle to Assist with Access	Standard	Standard

Steel Structure of Walls Extends Below Floor	Standard	Standard
Bumper / Steel Painted Black	Standard	Standard
Bumper / Energy Absorbing	Optional	Optional
Day Time Running Lights	Standard	Standard
Driver's Side Sun Visor	Standard	Standard
Lighting / All LED	Standard	Standard
Back up Alarm	Standard	Standard



www.ARBOCsv.com Tel 574-825-4880 Fax 574-825-1755

SPIRIT OF LIBERTY LOW FLOOR BUS



PHOTO SHOWN WITH OPTIONAL EQUIPMENT

CONSTRUCTION SPECIFICATIONS

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9.6	CURB SIDE WALL, DRIVER SIDE WALL, AND REAR WALL
9.7	ROOF CONSTRUCTION
9.8	PASSENGER ENTRY DOOR
9.9	MIRRORS
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9.12	ELECTRICAL
9.13	GRAB RAILS AND STANCHIONS
9.14	SEATING
9.15	PASSENGER ENTRY RAMP
9.16	SAFETY EQUIPMENT

1.0 SCOPE: MID-SIZE LOW FLOOR BUS

- 1.1 This specification describes a steel cage, low floor, commercial bus designed for use in Tour, Charter, Shuttle, and other Commercial or Transit applications that meets all the requirements of ADA and the FMVSS and CMVSS Safety Standards in effect at the time of manufacture.
- 1.2 The proposed bus must have been tested at the Federal Bus Testing center at Altoona, PA in the 7 year/200,000 mile category.
- 1.3 The bus provided must be built on a Freightliner XBA Chassis. Other chassis' will not be accepted.
- 1.4 The bus must meet all the chassis specifications listed in Section 9.1.

2.0 PURPOSE:

- 2.1 The purpose of these specifications is to describe a Mid-size bus suitable for transporting both ambulatory and non-ambulatory passengers in both rural and urban areas.
- 2.2 This vehicle is not a School Bus and is not intended to transport children to or from school.
- 2.3 The bus will be of a "Steel Cage" type construction with FRP (Fiber Reinforced Plastic) Composite skin laminated to a moisture resistant (less than 1%) substrate (not Luan) attached to the steel cage with urethane adhesive. The roof will consist of a single piece FRP skin laminated to the substrate and roof steel with urethane adhesive. The bus body is constructed of welded walls, sub floors, roof framing, and rear steel structure which are bonded and bolted together, forming an integrated steel cage around the passenger area.

3.0 CLASSIFICATION: MID SIZE LOW FLOOR BUS:

- 3.1 This specification is for a Mid-Size Low Floor Commercial bus of the "Body-on-Chassis" type.
- 3.2 The bus shall meet all requirements of the Americans with Disabilities Act even though the specific items may not be listed in detail in this specification.
- 3.3 The bus shall be of the Low Floor type with air suspension both front and rear.
- 3.4 The bus shall have a kneeling feature to lower the bus to meet 1:6 angle when ramp is deployed.

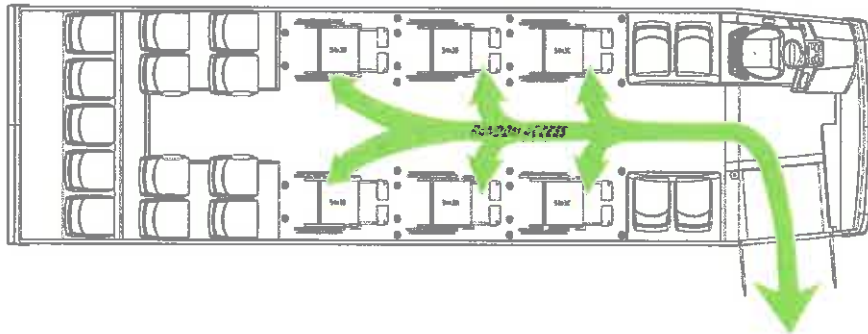
4.0 EXCEPTIONS TO SPECIFICATIONS:

- 4.1 Manufacturers of similar equipment of the type specified may submit requests for approved equals provided that the bus is built on the identical chassis specified and that they have produced this model in commercial quantities. Manufacturers of similar buses must be able to provide a list of current users of the proposed bus as references.

- 4.2 Manufacturers requesting any deviation from these specifications must provide actual test results supporting their claim.
- 4.3 Such requests must be accompanied by test reports and other evidence showing that the proposed product meets or exceeds the requirements of these specifications.
- 4.4 Any tests submitted to support a request for approved equal must have been performed by an Independent Professional Engineering Company and certified by a Licensed Professional Engineer.
- 4.5 This specification reflects the specific needs of this organization/agency. In order to standardize certain components, therefore, we have named specific brands of equipment. This has been done to establish a certain standard of quality and to standardize inventory of replacement parts.
- 4.6 Other brands will not be considered, as the brands specified are readily available and have been proven in Transit/Shuttle service.

5.0 ITEMS NOT ELIGIBLE FOR EXCEPTIONS:

- 5.1 There are several items in the specification that will not be considered for any deviation:
- 5.1.1 1. The chassis must be a Freightliner XBA Chassis in accordance with the chassis specifications listed.
- 5.1.2 2. The Passenger door must be dual panel, outward opening electrically operated with one full length window in each panel. The windows shall have a minimum of 14.5" wide and 74" high visible viewing area.
- 5.1.3 3. The entry door must be on a 5 degree angle to provide random access for wheelchair loading and unloading.



- 5.1.4 4. The entry door must be forward of the front axle and in direct line of sight with driver to assist in seeing the passenger entry.
- 5.1.5 5. The Exterior skin must be FRP (Fiber Reinforced Plastic) Composite skin Laminated to a moisture resistant substrate (less than 1% absorption) attached to the steel cage with urethane adhesive. No Luan is permitted in the sidewalls or rear end wall of the bus. Laminated constructions with Luan or other wood materials are not allowed as they can lead to corrosion of the skin due to the wicking of moisture into the wood material.

- 5.1.6 6. The steel cage must be Electro-coated (Cathodic 'Military Spec' E-coating to 1500 hour salt spray test) after fabrication, prior to final assembly.
- 5.1.7 7. The steel structure of the walls must extend below the floor level and continue to the lowest part of the bus. Separate skirting that only serves a decorative purpose is not allowed; every part of the sidewall must have the steel cage structure behind the exterior skin.
- 5.1.8 8. The overall exterior width, excluding mirrors, of the bus must be a nominal 100" wide as narrower buses do not allow sufficient space for wheelchair maneuverability.
- 5.2 Any exceptions approved will be in writing and will be distributed to all prospective bidders and other interested parties. The approval, if granted, shall extend to all bidders and not just to the bidder who made the request.
- 5.3 Manufacturer must carry a minimum of \$50,000,000 in product liability insurance.

6.0 MATERIALS

- 6.1 All materials used in conversion of the bus shall be new and unused; returned or reconditioned components will not be accepted. Brand names and part/model numbers of the major components will be listed and must comply with the brands and models specified in these specifications.
- 6.2 Major components include but are not limited to Seats, Windows, W/C ramps, W/C Tie downs, Air Conditioning/ Heat, Flooring, Floor Covering, Entry Door, and Chassis.

7.0 WARRANTY

- 7.1 The manufacturer of this vehicle will provide a Warranty of 3 year or 36,000 miles parts and labor. The body structure shall be warranted for a period of five (5) years and 100,000 miles.
- 7.2 Chassis Warranty provided by Freightliner Custom Chassis for 3 years or 50,000 miles whichever comes first and 3 years or 50,000 on the drivetrain. Refer to Freightliner Owners Manual for complete coverage.
- 7.3 The major subcomponents, including but not limited to, the Wheelchair Ramp, the Wheelchair Tie Downs, and the optional rear Air Conditioning Systems are warranted by the manufacturer of that component. Detailed Warranty coverage shall be provided with each bus. Trans Air conditioning systems are warranted for 3 years and unlimited mileage.
- 7.4 The Electrical System will be warranted for 3 Years or 36,000 miles parts and labor.

8.0 GENERAL INFORMATION:

8.1.0 DIMENSIONS

- 8.1.1 Exterior Width: 100" maximum excluding mirrors

- 8.1.2 Interior Width: 96" minimum
- 8.1.3 Interior Height: 77" minimum at the rear of bus and 85" minimum at the front of bus when measured at center aisle (Rear interior height varies with bus length)
- 8.1.4 Exterior Height: 120" maximum excluding roof hatch or roof mounted A/C units
- 8.1.5 Rear Overhang: Less than 33% of the overall bus length

8.2.0 BASE MODELS

- 8.2.1 SOL 2950 150" WB/29'-8" Overall Length Diesel 25,990 GVWR
- 8.2.2 SOL 3400 202.5" WB/34'-0" Overall Length Diesel 25,990 GVWR

8.3.0 PASSENGER SEATS AND CAPACITY

- 8.3.1 Seating Capacity: 1-37 passengers (Passenger weight based on Federal Guidelines)
- 8.3.2 Wheelchair Positions: 1-6 (dependent upon wheelbase and seat configuration) with minimum of 54 inches.
- 8.3.3 Seated Knee Room Forward: 28" minimum
- 8.3.4 Seated Width per Seat: 17" (wider seats optional)
- 8.3.5 Cushion Height above finished floor: 17-1/2" minimum/18-1/2" maximum
- 8.3.6 Minimum Aisle: 18" standard (options may affect aisle width)

9.0.0 CONSTRUCTION AND SPECIFICATIONS:

9.1.0 FREIGHTLINER XBA LOW FLOOR RAIL CHASSIS

- 9.1.1 Engine: Cummins ISB 6.7L/240 HP Turbo Diesel Engine
- 9.1.2 Base Transmission: Allison B220 Heavy Duty 6-Speed Automatic with Park Pawl and Transmission Cooler
- 9.1.3 Horsepower: 240 at 560 FT/LBS.
- 9.1.4 Torque FT/LBS at RPM: 560 at 2,600 RPM
- 9.1.5 Standard Axle Ratio: 5:13:1 (Diesel)
- 9.1.6 Fuel System: Diesel
- 9.1.7 Battery: (2) Heavy Duty 1520 CCA
- 9.1.8 Alternator: 270-amp/12 V
- 9.1.9 GVWR Standard: 25,990
- 9.1.10 GVWR Front Axle: 10,000
- 9.1.11 GVWR Rear Axle: 17,500

- 9.1.12 Fuel Tank: 70 Gallon tank mid-ship between the frame rails. Curbside Fill (Optional Roadside Fill).
- 9.1.13 Tires: 245/70Rx19.5 G Rated on Accuride 19.5" x 7.5" Steel Powder Coated White Rims
- 9.1.14 Dual Rear Wheels
- 9.1.15 Brakes: Hydraulic Actuated Heavy Duty Disc Brakes with four-wheel anti-lock system
- 9.1.16 Park Brake: Transmission Mount/Drum Air Operated
- 9.1.17 Wheel Base Availability: 150 and 202.5 inches
- 9.1.18 Full-Flow Oil Filter (Disposable Type)
- 9.1.19 The Frame shall be ladder construction w/rails constructed of high strength steel. Main rail configuration shall be C-Channel w/3" flange and minimum section height of 8".
- 9.1.20 Power Steering: Hydraulic
- 9.1.21 Tilt Steering Wheel
- 9.1.22 Cruise Control- Electronic
- 9.1.23 Horn: Dual Note Tone
- 9.1.24 Air Cleaner: Heavy Duty ECOLITE canister type
- 9.1.25 Driver Side Sun Visor
- 9.1.26 50 State Emissions
- 9.1.27 Power Port: (1) 12 Volt
- 9.1.28 Daytime Running Lights
- 9.1.29 Exhaust system shall be equipped with a heavy duty, corrosion resistant exhaust system which meets or exceeds FMVSS and EPA noise level and exhaust emission (smoke and noxious gas) requirements. Exhaust hangers shall be standard equipment and shall be bolted to the frame. Exhaust U-bolts shall be used in connections with thread orientation must be directed upwards. Exhaust exits rooftop curbside as standard. (Optional: Streetside Rooftop Exhaust Exit).
- 9.1.30 Dedicated Drivers A/C, Defroster, and Heat
- 9.1.31 Low Oil Pressure Light
- 9.1.32 High Engine Coolant Temperature
- 9.1.33 Power Steering
- 9.1.34 Service Center Box includes Dual Batteries, Emergency Schrader Air Valve, Rotary Electrical Disconnect Switch, Entrance Door Toggle Switch and Fuel/Water Separator.

9.2.0	BUMPERS
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- 9.2.1 Bumpers shall be steel and powder coated black. (Optional: Front and Rear Energy Absorbing Bumpers are available).

9.3.0 SUSPENSION

- 9.3.1 All chassis shall be equipped with Air Suspension System powered by Cummins internal engine driven dual piston air compressor.
- 9.3.3 System is equipped with a suspension status LED and buzzer which will flash at 1Hz to indicate an error in the system.
- 9.3.4 When stopping for non-wheelchair passengers, operators may choose to maintain the vehicle at its normal ride height condition.
- 9.3.5 If Driver chooses to kneel the bus, the kneel sequence is as follows:
- 9.3.5.1 • Driver pulls into position, places the vehicle transmission shifter in the park position, and engages the emergency brake.
 - 9.3.5.2 • Driver opens door by pressing and holding open door switch until door is fully opened (interior passenger lights turn on when door is fully open).
Driver then presses the "One-Touch" Kneel Switch.
 - 9.3.5.2A • Door open limit switch sends signal to the suspension controller to kneel the front.
 - 9.3.5.2B • The front of the vehicle kneels.
 - 9.3.5.3 • Driver then deploys the ramp by pressing/holding ramp deploy switch until ramp is fully deployed to a 1:6 ramp slope
 - 9.3.5.4 • Once the ramp is stowed and the door is closed the suspension controller will raise the vehicle to the normal ride height.

9.4.0 FLOOR CONSTRUCTION

- 9.4.1 The front floor construction shall be made of a high strength composite material. This part shall be specifically designed to accommodate the wheel housings, drivers station, and entry door ramp areas. This floor sections shall be supported with rubber ride isolator supports with a ladder underlayment framing in the isle space as additional support for wheelchair traffic.
- 9.4.2 The center floor sections shall be a steel floor section. This floor shall have longitudinal formed steel sections made of 11 ga. Hot rolled steel. These longitudinal sections support the floor when mounted to the isolator mounts. The perimeter "C" channels which marry the floor assembly to the sidewall are made of 11 ga. Hot rolled steel.
- 9.4.3 Steel sub floor cross members shall be made of 2 x 2 structural steel tubes of 1/4" wall material.
- 9.4.4 Sides of the sub floor shall be 14 gauge C-Channel that will overlap the 1.5 x 2.5 x 16 gauge floor line tubing in the side walls.
- 9.4.5 The front floor section shall attach to the frame rails and firewall using rubber isolator supports, of adhesive and bolts.

- 9.4.6 The center floor decking shall be a 5/8" thick single piece of engineered wood with moisture barrier laminated to upper surface and moisture sealed edges.
- 9.4.7 A sealant shall be used in body to floor corners to provide a water resistant seal as an aid in floor cleaning.
- 9.4.8 The cab cockpit floor will have a 16 gauge plate welded in place for future fare box installation.
- 9.4.9 The rear floor will be constructed of tube steel and wood decking.

9.5.0 WHEEL HOUSINGS

- 9.5.1 Ample clearance shall be provided for tires under load and operating on both smooth and rough terrain.
- 9.5.2 Black rubber wheel flares will be installed.
- 9.5.3 Front and rear mud flaps are standard.
- 9.5.4 Underside of front wheel housings shall be coated with Poly Urea for corrosion and sound resistance.
- 9.5.5 Galvaneal Clad- Underside Rear Wheelwells

9.6.0 CURB SIDE WALL AND DRIVER SIDE WALL

- 9.6.1 Wall structure which ends at the floor line is not acceptable and lower skirts that are not an integral part of the side wall are not permitted. Steel structure must extend below the floor level to the lowest point in side wall.
- 9.6.2 There is (1) 1-1/2" x 2-1/2" horizontal 16 gauge steel tube at the top forming the edge of wall.
- 9.6.3 There is one row of 1-1/2" x 1-1/2" horizontal 16 gauge steel tube below the window line.
- 9.6.4 There is one row of 1-1/2" x 2-1/2" horizontal 16 gauge steel tube at the floor level.
- 9.6.5 There is one row of 14 gauge C-Channel at the top of the side wall
- 9.6.6 There is one row of 1-1/2" x 1-1/2" horizontal 16 gauge steel tube at the bottom forming the edge of the wall.
- 9.6.7 Vertical steel ribs consist of 1-1/2" x 2" 16 gauge steel tubes located at sides of each window.
- 9.6.8 (1) 1-1/2" x 1-1/2" 16 gauge steel tube is welded vertically at the midpoint of each window with a width greater than 24" connecting the horizontal tubes below window and the horizontal tube that is welded at the floor line
- 9.6.9 (2) 1-1/2" x 1-1/2" 16 gauge steel tubes are required at the front of the side wall to form the front and rear of the door opening.

- 9.6.10 The entire steel structure must be bonded (structural bonding adhesive) and bolted together. Any other method of assembly will not be accepted.
- 9.6.11 Exterior wall surface is White FRP Composite laminated to a moisture resistant (less than 1% absorption) substrate (not Luan) attached to the steel cage with urethane adhesive.
- 9.6.12 Interior wall surface is Grey FRP Composite laminated to a moisture resistant (less than 1% absorption) substrate (not Luan) attached to the steel cage with urethane adhesive. Options to replace include Nanocide (Grey), Auto Cloth (Grey) or Vinyl Soft Touch (Grey).
- 9.6.13 Luan used as a substrate is not permitted in the exterior or interior of the of the wall construction. Experience has shown that construction using Luan can lead to moisture wicking into the walls causing corrosion and delamination.

9.7.0 ROOF CONSTRUCTION

- 9.7.1 Roof Bows must be 1-1/2" x 1-1/2" 16 gauge tubes bent to the radius of the roof. Traditional roof bows with or without capped top covers are not allowed.
- 9.7.2 One row of 1-1/2" x 1-1/2" 16 gauge steel tubing will be installed to form the center longitudinal members front to rear of roof structure.
- 9.7.3 (1) 1-1/2" x 1-1/2" 16 gauge tube will be installed at bottom of roof bow on each side of roof structure.
- 9.7.4 The entire steel structure must be bonded (structural bonding adhesive) and bolted together. Any other method of assembly will not be accepted. The bottom tube of the roof assembly will be bonded and bolted into the rivnuts of the side wall upper C-Channel.
- 9.7.5 Exterior roof surface is Single Piece White FRP (Fiber Reinforced Plastic) Composite laminated to a moisture resistant (less than 1% absorption) substrate (not Luan) attached to the steel cage with urethane adhesive.
- 9.7.6 Exterior FRP (Fiber Reinforced Plastic) Composite will be secured to the side walls with the seam being covered by a rain gutter.
- 9.7.7 Exterior seams are only allowed at the junction of the front cap and rear cap. Any other seams on the exterior of the roof are not permitted.
- 9.7.8 Interior ceiling surface is Grey FRP Composite laminated to a moisture resistant (less than 1% absorption) substrate (not Luan) attached to the steel cage with urethane adhesive. Options to replace include Nanocide (Grey), Auto Cloth (Grey) or Vinyl Soft Touch (Grey).

9.8.0 PASSENGER ENTRY DOOR

- 9.8.1 Entry Door shall be a dual panel, swing out type door with two single piece, full-length glass windows.
- 9.8.2 Door Opening: 39" wide minimum clear opening (35" w/standard entry assist handles) and 79" high clear opening.

- 9.8.3 Door Windows Dimensions: 14.5" x 74" minimum (clear visible viewing space).
- 9.8.4 Entry doors shall incorporate gaskets and/or seals to provide a barrier against intrusion by wind, water, and dust around the perimeter. The seal at the center of the door shall be by means of full height overlapping rubber seals, and shall include a barrier or sweep at the bottom of both doors.
- 9.8.5 Passenger entry door shall function through the use of an electric door mechanism includes interior rocker style switch.
- 9.8.6 For emergency situations, a manual door release control shall be provided over the top of the door, and shall be designed to permit simple operations to override the electric door operator.
- 9.8.7 Standard operating for the passenger entry door will not allow the door opened when vehicle is traveling faster than 2 mph for safety.
- 9.8.8 Steps are not allowed as all passengers shall enter by way of passenger entry door.

9.9.0 MIRRORS

- 9.9.1 Interior 6" x 16" Flat Mirror shall be standard.
- 9.9.2 Exterior rear view 'Heated/Remote' mirrors shall be provided and mounted to view down each side of the bus as standard.

9.10.0 WINDOWS

- 9.10.1 Solid framed windows are standard.
- 9.10.2 Interior window frames will be anodized black as standard.
- 9.10.3 Passenger windows shall be a minimum of 19" or 36" and 36" high.

9.11.0 EMERGENCY EXITS

- 9.11.1 Hinge-out windows shall be installed for emergency escape and shall comply with FMVSS-217.
- 9.11.2 Emergency Escape windows shall be clearly labeled and operation instructions shall be clearly visible at each escape window. The emergency release handle will meet FMVSS-217 requirements and shall not return to the locked position automatically; it shall require the driver or other authorized person to manually re-lock it. All emergency exits shall comply with F.A.C. 14-90.
- 9.11.3 Each emergency exit shall be identified with a 12 volt red LED lamp assembly, with a 10,000 hour life bulb, wired to the vehicle ignition circuit. Next to or immediately below each LED light fixture shall be a decal, one inch white letters on red background, stating "Emergency Exit".
- 9.11.4 There shall be a roof hatch in every vehicle.

9.12.0 ELECTRICAL

- 9.12.1 The vehicle shall be equipped with a heavy-duty (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, air compressor, wheelchair ramp, 4-way flashers, air conditioning/heater, and other accessories in constant operation.
- 9.12.2 The vehicle shall be equipped with a rotary disconnect switch that removes 12V battery power from all loads except for ECU (Engine Control Unit) & TCM (Transmission Control Module) Memory.
- 9.12.3 A fast idle system shall be installed which will automatically increase the engine speed (RPM) to approximately 1200 RPM on diesel engines. The fast speed idle shall engage only when the vehicle is in Park and the parking brake applied.
- 9.12.4 The vehicle shall be equipped with a backup alarm.
- 9.12.5 The vehicle shall be equipped with an Internal Engine Driven Compressor System with an Air Pressure Gauge mounted on the OEM dash, air dryer control system, and diagnostic module.
- 9.12.6 The vehicle shall be equipped with an Exterior Toggle Switch for the entrance door located curbside inside the 'Service Center' Box.
- 9.12.7 The vehicle shall be equipped with a Ramp Activation System that includes Exterior Ramp Toggle Switch.
- 9.12.8 The vehicle shall be equipped with a driver console with switch panel that includes (6) available spaces for switches that includes but not limited to entry door, ramp, and interior lights.
- 9.12.9 The interior passenger area shall be equipped with LED Surface Lights. The SOL 2950 will have 8 lights (4 drivers side/4 passenger). The SOL 3400 will have 10 lights (5 driver/5 passenger).
- 9.12.10 The ramp area shall be equipped with (1) exterior overhead door light and (2) LED Stepwell Lights to illuminate the entry floor/ramp platform meeting ADA specs. These lights shall activate when the doors open and will turn off when doors close.
- 9.12.11 The driver's seat and instrument panel area shall have a flush-mounted ceiling light to provide general illumination. The light shall be controlled by the operator through a switch on the front console and shall illuminate without ignition activation.
- 9.12.12 The vehicle shall be equipped with center-top mounted third brake light, tail brake lights, rear turn signals, back-up lights, and state license tag lights shall be LED fixtures.
- 9.12.13 All wiring shall be SXL/GXL and be sized to minimize voltage drop at full load.
- 9.12.14 Entire harness system and mating electrical components are plug-connected with lock tab connectors; all terminals are machine crimped; all harnesses shall be covered in high temp conduit and all exterior under body/under hood connectors are IP67 rated sealed connectors.

- 9.12.15 All body wiring shall be run inside the body in a protected area. All wiring shall be in a loom and secured for maximum protection. Clamps shall be rubber or plastic coated to prevent them from cutting the wiring insulation.
- 9.12.16 When routing wiring under vehicle all wiring shall be encased in a loom and attached to the frame and sub-floor structure with proper fasteners and shall not be bundled with hoses. The harness shall run in straight lines as close to chassis frame rails as possible.
- 9.12.17 All fuses and relays (other than chassis OEM) shall be placed in an Electrical Panel. The panel shall be accessible through a non-locking door. Connection to OEM electrical system shall be accomplished through connectors supplied by chassis manufacturer using locking mating connectors. A legend shall be provided in an accessible location that displays circuit fusing and identification information.

9.13.0 GRAB RAILS AND STANCHIONS

- 9.13.1 Handrails and stanchions shall be provided in the entrance of the vehicle including:
 - 9.13.1A • LH Entry Stanchion Stainless Steel with Modesty Panel. Fastening of the panel shall be by bolts - screws will not be acceptable. The front side of the stanchion shall include a handle for boarding and aligned with entry door grab handles.
 - 9.13.1B • Entry Door Handles Stainless Steel mounted parallel to interior handles.
 - 9.13.1C • RH Entry Stanchion Stainless Steel.
 - 9.13.1D • OH Ceiling Grab Rails - Stainless Steel.

9.14.0 SEATING

- 9.14.1 Driver Seat: USSC Driver Seat w/Manual Base. OPTIONAL Power Seat Base.
- 9.14.2 Seats shall be installed such that they provide "theater" seating in that rows of seats in the rear of the bus shall be higher than the seats in the front of the bus.
- 9.14.3 Seats shall be bolted directly to the floor/steel structure to provide clean floor surfaces without breaks in the floor seal.

9.15.0 PASSENGER ENTRY RAMP

- 9.15.1 The entry ramp shall be bi-fold power ramp that is designed to let wheelchair and ambulatory passengers enter the bus once the ramp is fully deployed.
- 9.15.2 Entry ramp shall be rated at a 800 pound maximum.
- 9.15.3 Entry ramp shall be 62 inches minimum and provide a 1:6 angle when deployed to the ground with bus in knelt position.
- 9.15.4 Steps are not allowed inside the entryway and all passengers shall enter by way of passenger door.

19.16.0 **SAFETY EQUIPMENT**

- 9.16.1 Every unit to include a Standee Line with a sign and Warning Lines on rear foot riser.