

P.O. Box 6549 Marietta, GA 30065-0549 800 Pickens Drive Ext. Marietta, GA 30062 GA - (770) 422-8920 FAX - (770) 422-9007 Toll Free (800) 282-7981 Ext. 59

2075 West Main Street Waynesboro, VA 22930

VA – (540) 943-3430 Cell - (540) 256-3246 **Regional Representative - Andrew Clawson**

April 17, 2014

Beth Collins
Department of Administration
Purchasing Division
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305-0130

04/17/14 12:26:17PM West Virginia Purchasing Division

Ref: PTR 13059

Dear Beth Collins:

National Bus Sales and Leasing, Inc. appreciates this opportunity to submit a bid for transit vehicles to the State of West Virginia. Our offerings, a Goshen Coach Impulse mounted on a Ford E-450 with a 6.8L gas engine for classes A through H meets the intent and letter of your specifications as well as amendment #1 and #2 with the following documentation, clarifications and/or explanations per your Required Bid Documentation Checklist.

Mandatory Bid Forms

Bid Form 1	Located at Enclosure A.
Bid Form 2	Located at Enclosure B.
Bid Form 3	Located at Enclosure C
Bid Form 4	Located at Enclosure D.
Bid Form 5	Located at Enclosure E.
Bid Form 6	Located at Enclosure F.
Bid Form 6A	Located at Enclosure G.
Bid Form 7	Located at Enclosure H.
Bid Form 8	Located at Enclosure I.
Bid Form 9	Located at Enclosure J.
Copy of Bus Testing STURRA Test	Located at Enclosure K.
Water Testing- Details of Process	Located at Enclosure L.
No Debt Affidavit	Located at Enclosure M.

RBDC

Required Bid Document Checklist is located at Enclosure N. Certification and Signature Page is located at Enclosure O.

Certification Page Floorplan

Classes A located at Enclosure P.

Floorplan

Class B located at Enclosure Q.

Floorplan Class C, D, E, & F located at Enclosure R.

Floorplan Class G located at Enclosure S. Floorplan Class H located at Enclosure T.

Bid Documents are located at Enclosure U.

Addendum Ack. Addendum Acknowledgement is located at Enclosure V.

Pricing Page Located at Enclosure W as well as a convenience copy in the cover of this

binder.

Section

Mandatory Documentation

- 3.6 Engine Ford 6.8L V10 Gasoline Engine. Warranty is by Ford Motor Corporation under the power train warranty—5yr/60,000 miles. For additional information see files on USB drive provided with the bid labeled 2014 Ford E-Series Brochure and E Series Cutaway Specifications.
- 3.6g The High Idle System to be provided is the Intermotive Gateway 805. Literature can be found on the USB drive provided with the bid labeled Intermotive Gateway 805. Minimum warranty 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 3.6h Cooling system Gasoline Engine equipped with large capacity radiator and viscous thermostatically activated cooling fan Warranty 3yr/36,000 miles. For additional information see files on USB drive provided with the bid labeled 2014 Ford E-Series Brochure and E Series Cutaway Specifications.
- 3.7 Ford OEM 5R110W transmission. Warranty is by Ford Motor Corporation under the power train warranty– 5yr/60,000 miles. For additional information see files on USB drive provided with the bid labeled 2014 Ford E-Series Brochure and E Series Cutaway Specifications.
- 3.7.d Transmission Cooling System- Ford OEM 5R110W transmission comes standard with an in-tank oil cooler and an external auxiliary transmission oil cooler operating on the same principal as the coolant radiator. Warranty 3yr/36,000 miles. For additional information see files on USB drive provided with the bid labeled 2014 Ford E-Series Brochure and E Series Cutaway Specifications.
- 3.8.1 Heavy Duty Breaks- Ford OEM brakes are four wheel disc type: powered, self-adjusting, dual hydraulic with a brake hydro booster and four wheel anti-lock feature. Warranty 3yr/36,000 miles. For additional information see files on USB drive provided with the bid labeled 2014 Ford E-Series Brochure and E Series Cutaway Specifications.
- 3.8.3 Suspension System- Ford OEM suspension system includes the following components:
 - A. 5,000 lb. front coil spring.
 - B. Multi-leaf, single stage springs rated at Max. Pay load of 9,600 lbs.
 - C. 21mm front stabilizer bar
 - D. 1.125" rear stabilizer bar
 - E. 25mm pressure tube gas filled front and rear shocks

Warranty – 3yr/36,000 miles. For additional information see file on USB drive provided with the bid labeled 2014 Ford E-Series Brochure and E Series Cutaway Specifications.

- 3.8.3 Mor-Ryde Rear Suspension Sytem to be provided- For additional information see file on USB drive provided with the bid labeled Mor-Ryde. Warranty 3yr/70,000 miles
- 3.8.4a Ford OEM Tires LT225/75R 16E BSW All Season Tire Brand TBD. Warranty is limited to manufacturing defect and covered under Ford warranty umbrella. For additional information see files on USB drive provided with the bid labeled 2014 Ford E-Series Brochure and E Series Cutaway Specifications.
- 3.9 Electrical System- Ford OEM 12V Electrical system is integrated with a solenoid triggered body electrical system, all 12V circuits with circuit breaker and fuse interface. For additional information see files on USB drive provided with the bid labeled Electrical System Description- Impulse- Ford, Cooper Bussmann VEC, and Electrical Panel Layout. As Built wire schematics (1 Electronic and 2 Laminated Hard Copies) are ordered for each bus as required. Minimum warranty –3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 3.9.1 Alternator- Alternator for Gas chassis will be ordered from Ford on the E450 chassis. A single 225-amp alternator will be provided. Ford option # (63N). Warranty 3yr/36,000 miles. For additional information see files on USB drive provided with the bid labeled 2014 Ford E-Series Brochure and E Series Cutaway Specifications.
- 3.9.2 Batteries- Gasoline chassis has (1) 650 Cold Cranking Amps (CCA) battery and (1) 625 CCA battery for a total of 1275 CCA's to meet WV spec. Only one of the two batteries will be relocated to the slide out battery tray required in the specification due. Warranty 3yr/36,000 miles. For additional information see files on USB drive provided with the bid labeled 2014 Ford E-Series Brochure and E Series Cutaway Specifications.
- 3.9.3, d, e, k Exterior Lights-Goshen installs Optronics series of LED lights for its brake, reverse, marker and clearance applications. This brand of light is readily available from any parts supply house catering to trucks and buses. Warranty minimum 3 years/ 36,000 miles. For additional information see file on USB drive provided with the bid labeled Optronics- Goshen Coach Interior & Exterior LED Lights and Optronics Warranty.
- 3.9.4 Interior Lights- Interior lights are also Optronics LED 2"x 4" clear lense type. This brand of light is readily available from any parts supply house catering to trucks and buses. Warranty minimum 3 Years/36,000 miles. For additional information see file on USB drive provided with the bid labeled Optronics- Goshen Coach Interior & Exterior LED Lights and Optronics Warranty.
- 3.9.6a Rear Alarm- A ECCO Model 520 97DB back up alarm is to be provided. Literature and can be found on the USB drive provided with the bid labeled ECCO Back Up Alarm. Minimum warranty 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 3.9.6c Back Up Camera- Goshen will provide a Rear view safety camera system. Literature and can be found on the USB drive provided with the bid labeled Back Up Camera. Minimum warranty 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.

- 3.9.7 Fuse Box Panel- For additional information see files on USB drive provided with the bid labeled Electrical System Description- Impulse- Ford, Cooper Bussmann VEC, and Electrical Panel Layout.
- 3.10.1aPassenger heating system Ford OEM dash installed heater is standard with the Ford E450 chassis. Type –thermostat controlled circulating hot-water. Warranty 3yr/36,000 miles. For additional information see files on USB drive provided with the bid labeled 2014 Ford E-Series Brochure and E Series Cutaway Specifications and Heating System Ford Impulse.
- 3.10.1bStepwell Heater- An UltraHeat, Inc. Step Heater will be provided for the bottom step of the units. Literature and can be found on the USB drive provided with the bid Ultra Heat Step Heater. Minimum warranty 3 years / 36,000 miles falls under Goshen Coach Addon equipment.
- 3.10.1c Auxiliary Heaters- Two (2) Pro Air 35,000 BTU Heaters will be provided with a circulation pump. Literature and can be found on the USB drive provided with the bid labeled Pro-Air 35K Heater. Minimum warranty 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 3.10.2 A/C Cooling System- Ford OEM dash installed air-conditioning is standard with the Ford E450 chassis. Goshen installs the rear AC prior to the interior finish stage of the bus body. For this specification, Freon lines will be connected to an auxillary compressor in addition to a stand-alone Ford OEM compressor. An ACT ceiling mounted evaporator and a three fan skirt mounted condenser will function independently of the Ford system. Thermostat and fan speed control wiring are remotely located to the driver's area. Warranty is 2 years/Unlimited miles.
- 3.10.2bA/C Compressor- Ford OEM Compressor plus a TM-16 Compressors will be provided. Literature and can be found on the USB drive provided with the bid labeled ACT913HD. ACT Warranty 2 years / Unlimited miles.
- 3.10.2cA/C Condenser- One (1) CS-3 Condenser by ACT will be provided. Literature and can be found on the USB drive provided with the bid labeled ACT913HD. ACT Warranty 2 years / Unlimited miles.
- 3.10.2dRear Evaporators-One (1) EZ-91 Rear Evaporator by ACT will be provided. Literature and can be found on the USB drive provided with the bid labeled ACT913HD. ACT Warranty 2 years / Unlimited miles.
- 3.10.2eA/C Hose System- Goodyear Galaxy 4890 SLE A/C Hoses that meet SAE J2064 Type C Class 1 and BurgaClip Fittings will be used for the a/c system. Literature and can be found on the USB drive provided with the bid labeled Burgaflex fittings and Goodyear hoses. Warranty 2 years / Unlimited miles.
- 3.11 Roof Hatch- One (1) Transpec 1975 Standard Vent Model Emergency Roof Hatches will be provided. Literature and can be found on the USB drive provided with the bid

- Transpec Model 1975. Minimum warranty -3 years /36,000 miles falls under Goshen Coach Add-on equipment.
- 3.12.1 Control Panel Locations-The Control Panel will be located with immediate reach of the Driver mounted over the dog box on the Ford OEM Chassis. Please see picture on USB drive provided with the bid labeled Ford Switch Panel. Minimum warranty 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 3.12.1 Circulation Fan- KBC Marketing Circulations fans will be provided. A Picture can be found on the USB drive provided with the bid Circulation Fan 1 and 2. Minimum warranty 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 3.13.1 Body Construction- Goshen Coach's Body Construction will be followed for each unit. A full description of the body construction can be found on the USB drive provided with the bid labeled Body Construction- Impulse and Body Construction 3D. The Goshen Coach Body Structure Warranty is 6 Year/60,000 mile.
- 3.13.2b Skirt Panel Seams- The skirt panel Seams will be only be placed above the wheel wells or adjacent to the A/C Skirt Condenser.
- 3.13.4eDoor Operating Mechanism- An A&M Systems Door header will be used for the door operations mechanism. An Exterior Key Switch will be provided to control the mechanism. The Door Actuator Specifications can be found on the USB drive provided with the bid labeled A & M Door. Minimum warranty 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 3.13.5a Gerfloor Tarabus will be provided where required. Flooring Specifications and Color Selection can be found on the USB drive provided with the bid labeled Tarabus NT with SIC-Specification Sheet, Tarabus 12 years warranty USA and Tarabus Colors .Minimum warranty 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 3.13.5e Gerfloor Tarabus will be provided where required. Contrasting Color Selection can be found on the USB drive provided with the bid labeled Tarabus Colors .Minimum warranty 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 3.13.6 Insulation- Goshen installed insulation is 1.5" thick rigid polystyrene thermal insulation with an R value of 4.6 per inch. See file on the USB drive provided with the bid labeled Polystyrene Insulation for MSDS showing fire retardant properties and non-toxicity.
- 3.13.7 Bumpers- The Front Bumper will be the Ford OEM Chromed Steel Bumper.

 Documentation is located on the USB drive provided with the bid labeled 2014 Ford ESeries Brochure and E Series Cutaway Specifications.. The Rear Bumper will be a SMI
 Energy Absorbing Bumper Additional information can be found on the USB drive
 provided with the bid labeled SMI Energy Absorbing Medium Duty Bumper. Minimum
 warranty 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 3.14 Lift-The Braun Millennium 2 Model NL917IB-2 will be provided. The Platform on this lift has a Clear Width of 33" and a Clear Length of 51". A brochure and specifications for this lift can be found on the USB drive provided with the bid labeled Millennium 2-brochure and Millennium 2. The Warranty from the Braun Corporation will be Three Years/10,000 cycles for parts and labor. It also carries a 5 Year/ 15,000 cycle powertrain

- warranty which covers Cable, Cylinder, Flow Control, Gear Box, Motor, Pump, Hydraulic Hose and Fittings.
- 3.14g Interlock System- An Intermotive Gateway 805 will be provided for the interlock system. Literature and can be found on the USB drive provided with the bid labeled Intermotive Gateway 805. Minimum warranty 2 years / Unlimited miles falls under Goshen Coach Add-on equipment.
- 3.15a Passenger seats- The Passenger Seating package is to include the following seat types: Double ICS Seat, Feather Weight Mid High Seats, Feather Weight High Back Seats, and BV Notchback Foldaway Seats. Options to include ABS Seat Backs (where available) Aisle side US Armrest, Grab Handles on all seats except rear Row, and level 3.5 fabric. Brochures for the seating package can be found on the USB Drive provided with the bid labeled: Freedman Featherweight Mid-Hi, Freedman BV Foldaway Seat, Freedman ICS, US Armrest, 3 Step Foldaway Tests and Fixed Seat Tests. The Warranty on the seats by Freedman Seating is 3 Years/36,000 miles on the fabric and 5 years/unlimited miles on the Frame.
- 3.15b Under Seat Retractor System- The seat belts to be provided will be Freedman Under Seat Retractor. This seat belt complies with FMVSS 210. A description of the Freedman Under Seat Retractor is located on the USB drive provided with the bid labeled Freedman USR.
- 3.15e ICS Seat- Double ICS Seat to be provided with Level 3.5 Fabric. Brochures for the seat can be found on the USB Drive provided with the bid labeled: Freedman ICS and Fixed Seat Tests. The Warranty on the seats by Freedman Seating is 3 Years/36,000 miles on the fabric and 5 years/unlimited miles on the Frame.
- 3.15i Driver's Seat- A Freedman Sport Shield high back seat driver seat shall be provided. The seat will have Level 3 cloth upholstery and a single fold up armrest on the driver's right side. The Ford driver's door provides the second armrest. The seat will be mounted to the Ford OEM pedestal, which meets all FMVSS standards and is electronically linked to the Ford driver restraint system and the Ford air bag system. A description of the Freedman Shield Sport High Back Driver's Seat is located on the USB drive provided with the bid labeled Freedman Sport Shield Driver's Seat.
- 3.16 Mobility Aid Securement to be provided is Q'Straint. System is –#A1 with fully retractable shoulder belt along with sixteen (8) 16" quick straps. A brochure for this securement system is located on the USB drive provided with the bid and is labeled QRT Deluxe &Standard Systems. Minimum warranty 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 3.20a Exterior Mirrors- The Exterior Mirrors to be provided are the Rosco Heated Remote Mirrors for the Ford E-450 series M715. Documentation is located on the USB drive provided with the bid labeled Rosco remote, heated mirrors Ford and Rosco Mirror. Minimum warranty 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 3.21 Radio/CD Stereo- A Panasonic AM/FM/CD/MP3 Clock Radio will be provided. Model CQ-CM130U. Literature and can be found on the USB drive provided with the bid

- labeled Panasonic Radio Manual. Minimum warranty -3 years /36,000 miles falls under Goshen Coach Add-on equipment.
- 3.24 Undercoating -Goshen Coach will apply ZTECH undercoating in accordance with Ford's QVM program. The undercoating will be covered under a separate 5 year limited warranty. Literature and can be found on the USB drive provided with the bid labeled Rustproofing & Undercoating Process.
- 3.25 Interior Color Schemes:
 - A. Sidewalls Grey FRP
 - B. Pads Grey Vinyl to match cab
 - C. Flooring Blue rubber per RCA enclosure
 - D. Ceiling Grey FRP
 - E. Cab Grey vinyl

Exterior Colors – The Ford chassis comes standard in Oxford White Clear coat, code YZ. All Goshen exterior body parts match code YZ with the exception of aluminum trim strips, black rubber rear bumper and exterior lights.

- 3.25.e Paint Scheme- The Agency's logo and striping scheme will be completed in Avery, 3M or FDC vinyl determined by best match to Agency's color scheme. Non Metallic PPG paint codes will be used to match any Agencies paint needs. A chart of available vinyl colors is provided on the USB drive provided with the bid labeled Vinyl Chart.
- 3.27 Strobe Light to be provided will be a Trucklight model 6810. For literature please refer to the USB drive provided with the bid labeled Trucklite Strobe 6810W.Destination Signs to be provided with the bid are Luminator/Twinvision Mobilite Series signs. Front Signs to have a dimension of 14x108 and Side Signs to have a dimension of 14x72. For literature please refer to the USB drive provided with the bid labeled Mobilite Manual. When this option is selected the Storage compartment in the front cap must be deleted. A tuffy storage box will be provided in place of the overhead storage. An add on PA System to include an exterior speaker will be included in this package. Passenger Signaling System to be used is a pull cord system with touch tape used at each WC position. The system will activate a buzzer ad light which are reset upon the door opening. Minimum warranty on all of the above items 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 4.2.2 Security Camera System-REI Camera System Bus-Watch series with 6 color cameras will be provided. A brochure for this system is located on the USB drive provided with the bid and is labeled REI Bus Watch.
- 4.2 Class B Floorplan can be found at Enclosure Q
- 4.3.2 Vista Lift- Braun Vista Lift, NVL919IB to be provided in place of the Millennium 2 lift where specified. A brochure for this lift is located on the USB drive provided with the bid and is labeled Braun Vista-2. The Warranty from the Braun Corporation will be Three Years/10,000 cycles for parts and labor. It also carries a 5 Year/ 15,000 cycle power train warranty which covers Cable, Cylinder, Flow Control, Gear Box, Motor, Pump, Hydraulic Hose and Fittings.

- 4.3.3 US Armrest to be provided. Brochures for the armrests can be found on the USB Drive provided with the bid labeled: US Armrest. The Warranty on the seats by Freedman Seating is 3 Years/36,000 miles on the fabric and 5 years/unlimited miles on the Frame.
- 4.5 Extended Body Flooplan- This floorplan is located on the USB drive provided with the bid and is labeled Class E Floorplan
- 4.7.4 Luggage Racks- Overhead luggage racks over ambulatory passenger seating area to be provided. Minimum warranty— 3 years / 36,000 miles falls under Goshen Coach Add-on equipment.
- 5.2 National Bus Sales & Leasing ensures that all deliveries will comply with the items in section 5.2.
- 6.1 Warranty on completed vehicle follows:

Chassis: 3 year or 36,000 miles Bumper to Bumper.

Please refer to the document labeled Ford Warranty Summary for additional coverages on the USB Drive provided with the bid..

Bus Conversion: 3 year or 36,000 miles.

Braun Lift: 3 Year/10,000 Cycles.

Supplemental AC system: 2 years, unlimited miles

Add-on components: Minimum 3 year or 36,000 miles unless stated above Please see Warranty Statement on the USB drive provided with the bid labeled Warranty Document 3 Year 36K miles.

6.2 Warranty on basic vehicle structure

Bus Structure: 6 year or 60,000 miles

Undercoating: 5 year limited

Please see Warranty Statement on the USB drive provided with the bid labeled Warranty Document 3 Year 36K miles Under The section Extended Warranty Structural Items.

6.3 & 7.40e Warranty Service and coverage is provided separately for the following bus components: A. Chassis – Nearest Ford dealer that is truck certified (E350/450).

B. Bus Body – Nearest facility authorized by National Bus on behalf of Goshen coach. Note: If repairs required fall within the capability of the transit system, authorization and reimbursement can be made directly to the operator.

C. Major Components – Lift and A/C dealers closest to transit facility.

As a courtesy to the State of West Virginia, the following list of chassis providers is

included: A. Chassis – Northern Panhandle Sam Yanen Ford
(304) 845 – 4244 Moundsville, WV
B. Chassis – Eastern Panhandle Kent Parsons Ford

(304) 263 – 3344 Martinsburg, WV C. Chassis – Central Chenowith Ford (304) 623 – 6501 Clarksburg, WV

D. Chassis – Southern Bert Wolfe Ford (304) 340 – 7278 Charleston, WV

As a courtesy to the State of West Virginia, the following list of body providers is

included:

A. Chassis – Northern Panhandle

National Bus

(800) 282 – 7981 B. Chassis – Eastern Panhandle Customer Service Ctr Martz Auto Repair

(304) 267 – 9137

Martinsburg, WV

C. Chassis – Central

Martinsburg, WV Seller's Truck N Auto

(304) 622 - 5876

Clarksburg, WV

D. Chassis – Southern

National Bus

(800) 282 - 7981

Customer Service Ctr

The only authorized full service Braun dealer in the state is:

A. WV Truck and Trailer

Nitro, WV

(304) 755 - 0113

B. All other lift repair authorizations require calling Braun directly at 1-800 THE LIFT with problem and lift serial number.

The following are authorized air conditioning repair facilities in the state are:

SELLERS TRUCK 'N' AUTO

1129 E. PIKE ST CLARKSBURG

304-622-5876

MOUNTAINEER THERMO-KING 2252 ROXALANA RD DUNBAR 304-744-7344

FLEET SERVICE CO. 3007 CHAPLINE ST WHEELING

304-232-6140

WEST VIRGINIA TRUCK & TRAILER 1 JAIN DR. CROSS LANES 304-755-0113

HEMLOCK FLEET SERVICE 609 DIVISION ST PARKERSBURG 304-422-3166

- 6.4 Please Refer to 5.11.1 and 5.11.2
- 7.1 We provided 2 completed bids in binder form with one marked for WVDPT
- 7.36 National Bus Sales understands they are responsible to coordinate and help conduct 2 all day training sessions per year for the duration of the contract. It is National's responsibility to coordinate component representatives to assist in the training (i.e. wheelchair lift, securement systems and air-conditioning) The Division of Public Transit has in the past arranged for suitable location, scheduled the training and publicized training event state wide.
- 7.40a Please see the separate complete Mechanical Description and Chassis Description of each Class of vehicles on the USB Drive Labeled as:

Class A- Mechanical Description

Class A- Chassis Description

Class B- Mechanical Description

Class B- Chassis Description

Class C- Mechanical Description

Class C- Chassis Description

Class D- Mechanical Description

Class D- Chassis Description

Class E- Mechanical Description

Class E- Chassis Description

Class F- Mechanical Description

Class F- Chassis Description

Class G- Mechanical Description

Class G- Chassis Description

Class H- Mechanical Description

Class H- Chassis Description

For warranty Information Please see Section 5.11.1-5.11.2 of our bid.

For Standard Equipment on please refer to the Goshen Coach Impulse literature located on the USB drive provided with the bid labeled Impulse. For complete specifications on the Goshen Coach Impulse please refer to the document labeled Impulse Product Spec-Ford on the USB drive provided with the bid.

7.40b Floorplans for each class can be found on the USB Drive and labeled:

Class A-Floorplan

Class B-Floorplan

Class C-Floorplan

Class D-Floorplan

Class E-Floorplan

Class F-Floorplan

Class G-Floorplan

Class H-Floorplan

7.40c Curb Weight for each class can be found on the USB Drive and labeled:

Class A-Curb Weight

Class B-Curb Weight

Class C-Curb Weight

Class D-Curb Weight

Class E-Curb Weight

Class F-Curb Weight

Class G-Curb Weight

Class H-Curb Weight

7.40f Nearest Depot for parts supply:

National Bus Sales & Leasing, Inc.

National Bus Sales & Leasing, Inc.

P.O. Box 6549

800 Pickens Drive Ext.

Marietta, GA 30065-0549

Marietta, GA 30062

7.40g Undercoating -Goshen Coach will apply ZTECH undercoating in accordance with Ford's QVM program. The undercoating will be covered under a separate 5 year limited warranty. Literature and can be found on the USB drive provided with the bid labeled Rustproofing & Undercoating Process.

7.40h Location of Final Assembly: Goshen Coach 25161 Leer Drive Elkhart, IN 46514

For description of Final Assembly Operations please refer to document on the USB drive provided with the bid labeled Buy America ASSY CERT 2014.

Please contact us immediately at (800) 282-7981 if any additional documentation is required. Thanks again for your consideration!

Sincerely,

Andrew W. Clawson

Regional Representative

aclawson@nationalbussales.com

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

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

REQUEST FOR QUOTATION PTR13059 176-186" Wheelbase Transit Vehicles

Name: Andrew Clawson	Name:Carl Henderson
Address: 51 Ivy Ridge Lane	Address: 800 Pickens Drive Ext.
Fishersville, VA	Marietta, GA
Telephone: (540) 256-3246	Telephone:800-282-7981
Name: NBSL-Parts	Name: WBPI- Parts
Address: 800 Pickens Drive Ext.	Address: 51 Ivy Ridge Lane
Marietta, GA	Fishersville, VA
Telephone: 800-282-7981	Telephone: 540-337-0140

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

Pursuant to S	Section 8.4 of Part 1 of the Procurement, the Vendor certifies that the vehicles proposed:
X	_ARE or
***************************************	_ARE NOT (specify one)

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

REQUEST FOR QUOTATION PTR13059 176-186" Wheelbase Transit Vehicles

Name: Andrew Clawson	Name: _ Carl Henderson
Address: 51 Ivy Ridge Lane	Address:800 Pickens Drive Ext.
Fishersville, VA	Marietta, GA
Telephone: (540) 256-3246	Telephone: 800-282-7981
Name: NBSL-Parts	Name: WBPI- Parts
Address: 800 Pickens Drive Ext.	Address: 51 Ivy Ridge Lane
Marietta, GA	Fishersville, VA
Telephone: 800-282-7981	Telephone: _540-337-0140

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

Pursuant to Section 8.4 of Part 1 of the Procurement, the Vendor certifies that the vehicles proposed:
X_ARE or
ARE NOT (specify one)

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

4/17/14

Date

Authorized Signature

Regional Representative

Title

National Bus Sales & Leasing

Company Name

REQUEST FOR QUOTATION PTR13059 176-186" Wheelbase Transit Vehicles

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

(Che	ck appropriate statement)
	The Vendor, if a transit vehicle manufacturer, hereby certifies that it has complied with the requirements of 49 CFR Section 26.49 by submitting an annual DBE goal to the Federal Transit Administration (FTA). The goal has either been approved or not disapproved by FTA.
X	The Vendor, if a non-manufacturing supplier, hereby certifies that the manufacturer of the transit vehicle to be supplied has complied with the above-referenced requirement of 49 CFR Section 26.49.
4/	17/14
Date	
Auth	orized Signature
Reg:	ional Representative
Title	
Nat	ional Bus Sales & Leasing

Company Name

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

Certificate of Compliance

Title

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

4/17/14	
Date (1-G	-
Authorized Signature National Bus Sales & Leasing	-
Company Name Andrew Clawson	
Name Regional Representative	
Title	_
rement consistent with section 165(b)(2) or (b)(4) of ded, and the applicable regulations in 49 CFR 661.7	the Surface Transportation Assistance Act, a
Date	
Date Authorized Signature	

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

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

Authorized Signature

Regional Representative

Title

National Bus Sales & Leasing

Company Name

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

National Bus Sales & Leasing	hereby certifies that it
IS or	
X IS NOT (specify one)	
included on the U.S. Comptroller General's Consolid Violations of Various Public Contracts Incorporating	lated List of Persons or Firms Currently Debarred for g Labor Standards Provisions.
4/17/14 Date	
(ia)	
Authorized Signature	
Regional Representative	
Title	
National Bus Sales & Leasing	
Company Name	

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

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

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

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

Regional Representative

Signature and Title of Authorized Official

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

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

Date
26
Authorized Signature
Regional Representative
Title
National Bus Sales & Leasing
Company Name
SPECIFICATION COMPLIANCE
NOTE: Please check if what is offered is in exact compliance with specifications. Any discrepancies must be listed as an attachment to the bid proposal. Exact dimensions and/or descriptions must be provided as a part of the Vendor's bid proposal when submitted.
x Bid proposal submitted meets and/or exceeds all specification requirements.
Bid proposal submitted contains deviations from specification requirements. Detailed descriptions of these deviations have been provided with this bid proposal.

REQUEST FOR QUOTATION PTR13059 176-186" Wheelbase Transit Vehicles

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

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

The undersigned understands that misrepresenting the testing status of a vehicle acquired with Federal financial assistance may subject the undersigned to civil penalties as outlined in the Department of Transportation's regulation on Program Fraud Civil Remedies, 49 CFR Part 31. In addition, the undersigned understands that FTA may suspend or debar a manufacturer under the procedures in 2 CFR Part 1200.

Date	9
Authorized	1 Signature
Regional	l Representative
771.41	
Title	

REQUEST FOR QUOTATION PTR13059 176-186" Wheelbase Transit Vehicles

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

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

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

Undersigned understands that this certification is a material representation of fact upon which reliance is placed by the Federal government and that submission of this certification is a prerequisite for providing a Federal grant, loan (including a line of credit), cooperative agreement, loan guarantee, or loan insurance for a transaction covered by 31 U.S.C. 1352. The undersigned also understands that any person who fails to file a required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The (Vendor, Contractor)	National Bus Sales & Leasing	, certifies or affirms the truthfulness and
accuracy of each statement	of its certification and disclosure, if any.	In addition, the (Vendor, Contractor understands
and agrees that the provision	ns of 31 U.S.C. §§ 3801, et seq., apply to	this certification and disclosure.
4/17/14	me	
Date	Authorized Signatu	ire
	Regional Representa	ative
	Title	

PARTIAL

STURAA TEST

7 YEAR

200,000 MILE BUS from GOSHEN COACH

MODEL 2013 IMPULSE

DECEMBER 2013

PTI-BT-R1314-P

PENNSTATE



The Thomas D. Larson Pennsylvania Transportation Institute

201 Transportation Research Building The Pennsylvania State University University Park, PA 16802

(814) 865-1891

Bus Testing and Research Center

2237 Old Route 220 N. Duncansville, PA 16635

(814) 695-3404



Author:	Date:
Title:	

TABLE OF CONTENTS

	<u>P</u>	age
EXECUTIVE S	UMMARY	3
ABBREVIATIO	NS	4
BUS CHECK-I	N	5
1. MAINTAINA	BILITY	
1.2	SERVICING, PREVENTATIVE MAINTENANCE, AND REPAIR AND MAINTENANCE DURING TESTING	19
2. RELIABILIT TIMES DUR	Y - DOCUMENTATION OF BREAKDOWN AND REPAIR ING TESTING	23
5. STRUCTUR	AL INTEGRITY	
5.7	STRUCTURAL DURABILITY TEST	26

EXECUTIVE SUMMARY

Goshen Coach submitted a model 2013 Impulse, gasoline-powered 17 seat (including the driver) 26-foot bus, for a partial STURAA Test in the 7 yr. /200,000 mile category. The Federal Transit Administration determined that the following tests would be performed; 1.2 Servicing, Preventive Maintenance, and Repair and Maintenance during Testing, 2. Reliability and 5.7 Structural Durability. Testing started on September 19, 2013 and was completed on November 15, 2013. The Check-In section of the report provides a description of the bus and specifies its major components.

The primary part of this Partial Test is the Structural Durability Test, which also provides the information for the Maintainability and Reliability results. The Structural Durability Test was started on September 23, 2013 and was completed on November 12, 2013.

The interior of the bus is configured with seating for 17 passengers including the driver and 2 wheelchair positions. Note: this test bus is not designed to accommodate standing passengers. At 150 lbs. per person and 600 lbs. per wheelchair position, the load results in a measured gross vehicle weight of 13,130 lbs. The first segment of the Structural Durability Test was performed with the bus loaded to a GVW (Gross Vehicle Load) of 13,130 lbs. Note: due to no standees, GVW and SLW are the same at 13,130 lbs. The middle SLW (Seated Load Weight) segment was performed at 13,130 lbs. and the final segment was performed at a CW (Curb Weight) of 9,560 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 is 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.

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

ABBREVIATIONS

ABTC Altoona Bus Test Center

A/C Air Conditioner

ADB Advance design bus

CBD Central business district

CI Compression ignition

CNG Compressed natural gas

CW Curb weight (bus weight including maximum fuel, oil, and

coolant; but without passengers or driver)

dB(A) Decibels with reference to 0.0002 microbar as measured on the

"A" scale

DIR Test director
DR Bus driver

EPA Environmental Protection Agency

FFS Free floor space (floor area available to standees, excluding

ingress/egress areas, area under seats, area occupied by feet of

seated passengers, and the vestibule area)

FTA Federal Transit Administration
GAWR Gross axle weight rating

GL Gross load (150 lb. for every designed passenger seating

position, for the driver, and for each 1.5 sq ft of free floor space)

GVW Gross vehicle weight (curb weight plus gross vehicle load)

GVWR Gross vehicle weight rating

hr Hour

LNG Liquefied natural gas

LTI Larson Transportation Institute

mpg Miles per gallon
mph Miles per hour
NBM New bus models
PSTT Penn State Test Track
rpm Revolutions per minute

SAE Society of Automotive Engineers

SCF Standard cubic feet

SCFM Standard cubic feet per minute

SCH Test scheduler SA Staff Assistant SI Spark ignition

SLW Seated load weight (curb weight plus 150 lb for every designated

passenger seating position and for the driver)

TD Test driver
TM Track manager
TP Test personnel

TEST BUS CHECK-IN

I. OBJECTIVE

The objective of this task is to log in the test bus, assign a bus number, complete the vehicle data form, and perform a safety check.

II. TEST DESCRIPTION

The test consists of assigning a bus test number to the bus, cleaning the bus, completing the vehicle data form, obtaining any special information and tools from the manufacturer, determining a testing schedule, performing an initial safety check, and performing the manufacturer's recommended preventive maintenance. The bus manufacturer must certify that the bus meets all Federal regulations.

III. DISCUSSION

The check-in procedure is used to identify in detail the major components and configuration of the bus.

The test bus consists of a Goshen Coach, model 2013 Impulse. The bus has an OEM driver's door and aftermarket passenger door forward of the front axle. A dedicated handicap entrance equipped with a Braun model NCL919FIB-2 hydraulic/electric wheelchair lift is located rear of the rear axle. A cargo/emergency door is centered at the rear of the test bus. Power is provided by a gasoline-fueled, Ford Motor Co. 6.8 L engine coupled to a Ford OEM transmission.

The measured curb weight is 3,490 lbs. for the front axle and 6,070 lbs. for the rear axle. These combined weights provide a total measured curb weight of 9,560 lbs. There are 17 seats including the driver and two wheelchair positions. Note: this test bus is not designed to accommodate standing passengers. The total passenger capacity is 17 seated passengers plus 2 wheelchair positions. Gross load is 150 lbs. x 17 = 2,550 + 2 wheelchair positions (1,200 lbs.) = 3,750 lbs. At full capacity, the measured gross vehicle weight is 13,130 lbs.

Page 1 of 7

Bus Number: 1314-P	Arrival Date: 9-19-13
Bus Manufacturer: Goshen Coach	Vehicle Identification Number (VIN): 1FDFE4FS0DDB00184
Model Number: 2013 Impulse	Date: 9-19-13
Personnel: T.S. & E.D.	

WEIGHT:

Individual Wheel Reactions:

Weights (lb)	Front	Axle	Middle	e Axle	Rear Axle	
	Right	Left	Right	Left	Right	Left
cw	1,670	1,820	N/A	N/a	2,740	3,330
SLW	1,620	1,980	N/A	N/A	4,640	4,890
GVW	1,620	1,980	N/A	N/A	4,640	4,890

Total Weight Details:

				T
Weight (lb)	CW	SLW	GVW	GAWR
Front Axle	3,490	3,600	3,600	5,000
Middle Axle	N/A	N/A	N/A	N/A
Rear Axle	6,070	9,530	9,530	9,600
Total	9,560	13,130	13,130	GVWR: 14,500

Dimensions:

Length (ft/in)	26 / 6.7
Width (in)	95.0
Height (in)	114.7
Front Overhang (in)	34.5
Rear Overhang (in)	97.2
Wheel Base (in)	187.0
Wheel Track (in)	Front: 68.7
	Rear: 78.1

VEHICLE DATA FORM Page 2 of 7

		raye	2 01 /			
Bus Number: 1314-P		Date: 9	-19-13			
CLEARANCES:						
Lowest Point Outside Front Axle			Location: Bumper Clearance(in): 13.1			Clearance(in): 13.1
Lowest Point Outside Rear Axle		Locat	ion: Fuel	tank h	eat shield (Clearance(in): 10.4
Lowest Point between Axles		Locati	ion: Step	well		Clearance(in): 10.3
Ground Clearance at the center (in)		12.2				
Front Approach Angle (deg)		20.8				
Rear Approach Angle (deg)		8.7				
Ramp Clearance Angle (deg)		7.4				
Aisle Width (in)		17.5				
Inside Standing Height at Center Aisle	(in)	79.0				
BODY DETAILS:						
Body Structural Type	Inte	gral				
Frame Material	Stee	el				
Body Material	Fibe	erglass				
Floor Material	Plyv	vood				
Roof Material Fibe		erglass				
Windows Type	■ F	■ Fixed □ Mo		ovable		
Window Mfg./Model No.	Clee	er Vision / AS3 DOT 960				
Number of Doors	2	Front	2 Rear			
Mfr. / Model No. Driver's - Ford / OEM Passenger - A & M Systems / FOD 290-L-002939 Handicap - Challenger / OEM Rear center - Challenger						
Dimension of Each Door (in)	Driver's – 27.1 x 54.6 Passenger – 32.6 x 87.1 Handicap – 44.6 x 69.5 Rear center – 35.3 x 60.7			14.6 x 69.5		
Passenger Seat Type	☐ Cantilever ■ Pedestal ☐ Other			□ Other (explain)		
Mfr. / Model No.	Free	edman Seating Co. / OEM				
Driver Seat Type	☐ Air Spring			■ Sp	pring	□ Other (explain)
Mfr. / Model No.	Free	dman S	Seating C	o. / OE	EM	
Number of Seats (including Driver)	17 +	2 whee	lchair po	sitions		

Page 3 of 7

	Page	01 /	***************************************	
Bus Number: 1314-P		Date: 9	-19-13	
BODY DETAILS (Contd)				
Free Floor Space (ft²)	16.5			
Height of Each Step at Normal	Front 11	2.3 2	2. <u>9.0</u> 3. <u>9.0</u> 4.	N/A
Position (in)	Middle 1N	N/A 2	2. <u>N/A</u> 3. <u>N/A</u> 4	_N/A
	Rear 1.1	V/A	2. <u>N/A</u> 3. <u>N/A</u> 4	. <u>N/A</u>
Step Elevation Change - Kneeling (in)	N/A			
ENGINE				
Туре	_ C.I.		☐ Alternate Fuel	
	■ S.I.		☐ Other (explain)	
Mfr. / Model No.	Ford / 6.8 L			
Location	■ Front		☐ Rear	□ Other (explain)
Fuel Type	■ Gasoline)	□ CNG	☐ Methanol
	☐ Diesel		□ LNG	☐ Other (explain)
Fuel Tank Capacity (indicate units)	55 gals			
Fuel Induction Type	■ Injected □ Carburetion			
Fuel Injector Mfr. / Model No.	Ford / 6.8 L			
Carburetor Mfr. / Model No.	N/A		5	
Fuel Pump Mfr. / Model No.	Ford / 6.8 L			
Alternator (Generator) Mfr. / Model No.	FoMoCo / TN104210-6630			
Maximum Rated Output (Volts / Amps)	Not available. OEM			
Air Compressor Mfr. / Model No.	N/A			
Maximum Capacity (ft ³ / min)	N/A			
Starter Type	■ Electrica	l	☐ Pneumatic	☐ Other (explain)
Starter Mfr. / Model No.	FoMoCo / T	N34800	0-0410	

VEHICLE DATA FORM Page 4 of 7

	Page	4 OT /			
Bus Number: 1314-P		Date: 9	-19-13		
TRANSMISSION					
Transmission Type	■ Manual		☐ Automatic		
Mfr. / Model No.	FoMoCo /	ОЕМ	Y		
Control Type	■ Mechan	ical	☐ Electrical	☐ Other	
Torque Converter Mfr. / Model No.	FoMoCo /	ОЕМ			
Integral Retarder Mfr. / Model No.	N/A				
SUSPENSION					
Number of Axles	2				
Front Axle Type	■ Indepen	dent	☐ Beam Axle		
Mfr. / Model No.	FoMoCo / 0	OEM			
Axle Ratio (if driven)	N/A				
Suspension Type	☐ Air		■ Spring	☐ Other (explain)	
No. of Shock Absorbers	2				
Mfr. / Model No.	Motorcraft / H102G2				
Middle Axle Type	☐ Independent ☐ Beam Axle				
Mfr. / Model No.	N/A				
Axle Ratio (if driven)	N/A				
Suspension Type	□ Air		☐ Spring	☐ Other (explain)	
No. of Shock Absorbers	N/A				
Mfr. / Model No.	N/A				
Rear Axle Type	☐ Independ	dent	■ Beam Axle		
Mfr. / Model No. Dana / M70HD					
Axle Ratio (if driven)	4.56				
Suspension Type	□ Air		■ Spring	☐ Other (explain)	
No. of Shock Absorbers	2				
Mfr. / Model No.	Motorcraft / H123G1				

Page 5 of 7							
Bus Num	ber: 1314-P		Date: 9	-19-13			
WHEELS 8	WHEELS & TIRES						
Front	Front Wheel Mfr./ Model No. Ford / 16 x 6						
	Tire Mfr./ Model No.	Michelin LT	225/75R	116			
Rear	Wheel Mfr./ Model No.	Ford / 16 x 6					
	Tire Mfr./ Model No.	Michelin LT	225/75R	116			
BRAKES							
Front Axle	e Brakes Type	□ Cam		Disc	☐ Other	(explain)	
Mfr. / Mo	odel No.	FoMoCo / C	DEM				
Middle Ax	de Brakes Type	□ Cam		Disc	☐ Other	(explain)	
Mfr. / Mc	odel No.	N/A		~~~			
Rear Axle	Brakes Type	□ Cam		■ Disc		(explain)	
Mfr. / Mc	odel No.	FoMoCo / OEM					
Retarder ⁻	Туре	N/A					
Mfr. / Mo	odel No.	N/A					
HVAC							
Heating S	ystem Type	☐ Air ■ Water			☐ Other		
Capacity	(Btu/hr)	65,000					
Mfr. / Mo	odel No.	Pro-Air / OEM					
Air Condit	ioner	■ Yes □ No					
Location		Front dash & rear ceiling					
Capacity (Btu/hr)		Front – OEM Rear 70,000					
A/C Compressor Mfr. / Model No.		Front – FoMoCo / 0464 Rear ceiling – Vale / 004875					
STEERING							
Steering (Gear Box Type	Hydraulic gear					
Mfr. / Mo	del No.	FoMoCo / OEM					
Steering V	Vheel Diameter	15.4					
Number of turns (lock to lock)		4.0					

Page 6 of 7

Bus Number: 1314-P	Date: 9-19-13

OTHERS

Wheel Chair Ramps	Location: N/A	Type: N/A	
Wheel Chair Lifts	Location: Rear	Type: Hydraulic electric platform	
Mfr. / Model No.	Braun / NCL919FIB-2		
Emergency Exit	Location: Doors Windows Roof hatch	Number: 3 2 1	

CAPACITIES

Fuel Tank Capacity (units)	55.0 gals
Engine Crankcase Capacity (gallons)	1.2
Transmission Capacity (gallons)	Not available. OEM
Differential Capacity (gallons)	1.1
Cooling System Capacity (quarts)	8.6
Power Steering Fluid Capacity (quarts)	Not available. OEM

Page 7 of 7

Bus Number: 1314-P	Date: 9-19-13

List all spare parts, tools and manuals delivered with the bus.

Part Number	Description	Qty.
N/A	N/A	N/A
		-
		
		+
		
,		
		-
		

COMPONENT/SUBSYSTEM INSPECTION FORM

Page 1 of 1

Bus Number: 1314-P Date: 9-19-13

Subsystem	Checked	Initials	Comments
Air Conditioning Heating and Ventilation	✓		
Body and Sheet Metal	✓		
Frame	4		
Steering	4		
Suspension	✓		
Interior/Seating	✓		
Axles	✓		
Brakes	✓		
Tires/Wheels	✓		
Exhaust	✓		
Fuel System	✓		
Power Plant	✓		
Accessories	✓		
Lift System	✓		
Interior Fasteners	✓		
Batteries	✓		

CHECK - IN



GOSHEN COACH MODEL 2013 IMPULSE



CHECK - IN CONT.



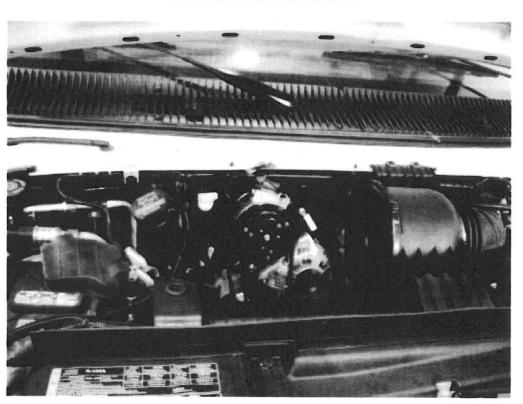
GOSHEN COACH MODEL 2013 IMPULSE EQUIPPED WITH A BRAUN MODEL NCL919FIB-2 HANDICAP LIFT



CHECK - IN CONT.



OPERATOR'S AREA



ENGINE COMPARTMENT

16 of 33

CHECK - IN CONT.

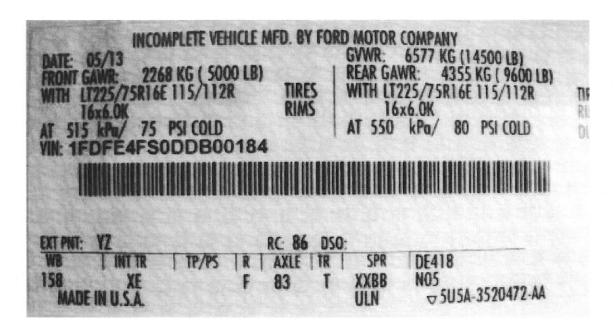


INTERIOR VIEW FROM REAR



INTERIOR VIEW FROM FRONT

CHECK - IN CONT.



VIN TAG

1.2 SERVICING, PREVENTIVE MAINTENANCE, AND REPAIR AND MAINTENANCE DURING TESTING

1.2-I. TEST OBJECTIVE

The objective of this test is to collect maintenance data about the servicing, preventive maintenance, and repair.

1.2.-II. TEST DESCRIPTION

The test will be conducted by operating the NBM and collecting the following data on work order forms and a driver log.

- 1. Unscheduled Maintenance
 - a. Bus number
 - b. Date
 - c. Mileage
 - d. Description of malfunction
 - e. Location of malfunction (e.g., in service or undergoing inspection)
 - f. Repair action and parts used
 - g. Man-hours required
- 2. Scheduled Maintenance
 - a. Bus number
 - b. Date
 - c. Mileage
 - d. Engine running time (if available)
 - e. Results of scheduled inspections
 - f. Description of malfunction (if any)
 - g. Repair action and parts used (if any)
 - h. Man-hours required

The buses will be operated in accelerated durability service. While typical items are given below, the specific service schedule will be that specified by the manufacturer.

- A. Service
 - 1. Fueling
 - 2. Consumable checks
 - 3. Interior cleaning
- B. Preventive Maintenance
 - 4. Brake adjustments
 - 5. Lubrication
 - 6. 3,000 mi (or equivalent) inspection

- 7. Oil and filter change inspection
- 8. Major inspection
- 9. Tune-up

C. Periodic Repairs

- 1. Brake reline
- 2. Transmission change
- 3. Engine change
- 4. Windshield wiper motor change
- 5. Stoplight bulb change
- 6. Towing operations
- 7. Hoisting operations

1.2-III. DISCUSSION

Servicing and preventive maintenance were performed at manufacturer-specified intervals. The following Scheduled Maintenance Form lists the mileage, items serviced, the service interval, and amount of time required to perform the maintenance. Table 1 is a list of the lubricating products used in servicing. Finally, the Unscheduled Maintenance List along with Unscheduled Maintenance-related photographs is included in Section 5.7, Structural Durability. This list supplies information related to failures that occurred during the durability portion of testing. The Unscheduled Maintenance List includes the date and mileage at which the malfunction occurred, a description of the malfunction and repair, and the time required to perform the repair.

21 of 33

(Page 1 of 1) SCHEDULED MAINTENANCE Goshen Coach Bus #1314

DATE	TEST MILES	SERVICE	ACTIVITY	DOWN TIME	HOURS
09-30-13	937	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00
10-15-13	2,244	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00
10-21-13	3,140	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00
10-29-13	4,250	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00
11-04-13	5,405	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00
11-08-13	6,275	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00
11-12-13	7,500	P.M. / Inspection	Linkage, tie rods, universals/u-joints all lubed; all fluids checked.	4.00	4.00

Table 1. STANDARD LUBRICANTS

The following is a list of Texaco lubricant products used in bus testing conducted by the Penn State University Altoona Bus Testing Center:

ITEM	PRODUCT CODE	TEXACO DESCRIPTION
Engine oil	#2112	URSA Super Plus SAE 30
Transmission oil	#1866	Automatic Trans Fluid Mercon/Dexron II Multipurpose
Gear oil	#2316	Multigear Lubricant EP SAE 80W90
Wheel bearing & Chassis grease	#1935	Starplex II

2. RELIABILITY - DOCUMENTATION OF BREAKDOWN AND REPAIR TIMES DURING TESTING

2-I. TEST OBJECTIVE

The objective of this test is to document unscheduled breakdowns, repairs, down time, and repair time that occur during testing.

2-II. TEST DESCRIPTION

Using the driver log and unscheduled work order forms, all significant breakdowns, repairs, man-hours to repair, and hours out of service are recorded on the Reliability Data Form.

CLASS OF FAILURES

Classes of failures are described below:

- (a) <u>Class 1: Physical Safety</u>. A failure that could lead directly to passenger or driver injury and represents a severe crash situation.
- (b) <u>Class 2: Road Call</u>. A failure resulting in an en route interruption of revenue service. Service is discontinued until the bus is replaced or repaired at the point of failure.
- (c) <u>Class 3</u>: <u>Bus Change</u>. A failure that requires removal of the bus from service during its assignments. The bus is operable to a rendezvous point with a replacement bus.
- (d) <u>Class 4: Bad Order</u>. A failure that does not require removal of the bus from service during its assignments but does degrade coach operation. The failure shall be reported by driver, inspector, or hostler.

2-III. DISCUSSION

A listing of breakdowns and unscheduled repairs is accumulated during the Structural Durability Test. The following Reliability Data Form lists all unscheduled repairs under classes as defined above. These classifications are somewhat subjective as the test is performed on a test track with careful inspections every two hours. However, even on the road, there is considerable latitude on deciding how to handle many failures.

The Unscheduled Repair List is also attached to provide a reference for the repairs that are included in the Reliability Data Forms.

The classification of repairs according to subsystem is intended to emphasize those systems which had persistent minor or more serious problems. There were no Class 1 or 2 failures. Of the two Class 3 failures, one involved the exhaust system and one with the air conditioning. These, and the one remaining Class 4 failures are available for review in the Unscheduled Maintenance List, located in Section 5.7 Structural Durability.

RELIABILITY DATA FORMS

Bus Number : 1314 Date: 11-17-13

Personnel: Bob Reifsteck

Failure Type

Class 4 Class 3 Class 2 Class 1
Bad Bus Road Physical
Order Change Call Safety

Subsystems	Mileage	Mileage	Mileage	e Mileage	Man Hours	Down Time
Exhaust System		840			1.00	6.00
Wheels/Tires	5,409				4.00	4.00
Air Conditioning		5,936			3.00	16.00
9 9						
			-			

5.7 STRUCTURAL DURABILITY TEST

5.7-I. TEST OBJECTIVE

The objective of this test is to perform an accelerated durability test that approximates up to 25 percent of the service life of the vehicle.

5.7-II. TEST DESCRIPTION

The test vehicle is driven a total of 7,500 miles; approximately 5,000 miles on the PSBRTF Durability Test Track and approximately 2,500 miscellaneous other miles. The test will be conducted with the bus operated under three different loading conditions. The first segment will consist of approximately 3,000 miles with the bus operated at GVW. The second segment will consist of approximately 1,500 miles with the bus operated at SLW. The remainder of the test, approximately 3,000 miles, will be conducted with the bus loaded to CW. If GVW exceeds the axle design weights, then the load will be adjusted to the axle design weights and the change will be recorded. All subsystems are run during these tests in their normal operating modes. All recommended manufacturers servicing is to be followed and noted on the vehicle maintainability log. Servicing items accelerated by the durability tests will be compressed by 10:1; all others will be done on a 1:1 mi/mi basis. Unscheduled breakdowns and repairs are recorded on the same log as are any unusual occurrences as noted by the driver. Once a week the test vehicle shall be washed down and thoroughly inspected for any signs of failure.

5.7-III. DISCUSSION

The Structural Durability Test was started on September 23, 2013 and was conducted until November 12, 2013. The first 3,000 miles were performed at a GVW of 13,130 lbs. and completed on October 17, 2013. The next 1,500 mile SLW segment was performed at the same 13,130 lbs and completed on October 28, 2013. Note; the test bus was not designed to accommodate standing passengers; therefore GVW and SLW are the same 13,130 lbs. The final 3,000 mile segment was performed at a CW of 9,560 lbs. and completed on November 12, 2013.

The following mileage summary presents the accumulation of miles during the Structural Durability Test. The driving schedule is included, showing the operating duty cycle. A detailed plan view of the Test Track Facility and Durability Test Track are attached for reference. Also, a durability element profile detail shows all the measurements of the different conditions. Finally, photographs illustrating some of the failures that were encountered during the Structural Durability Test are included.

GOSHEN BUS #1314

MILEAGE DRIVEN/RECORDED FROM DRIVER'S LOGS

DATE	TOTAL DURABILITY TRACK	TOTAL OTHER MILES	TOTAL
09/23/13 TO 09/29/13	713.00	82.00	795.00
09/30/13 TO 10/06/13	647.00	127.00	774.00
10/07/13 TO 10/13/13	270.00	283.00	553.00
10/14/13 TO 10/20/13	675.00	283.00	958.00
10/21/13 TO 10/27/13	680.00	128.00	808.00
10/28/13 TO 11/03/13	1219.00	148.00	1367.00
11/04/13 TO 11/10/13	796.00	480.00	1276.00
11/11/13 TO 11/17/13	0.00	969.00	969.00
TOTAL	5000.00	2500.00	7500.00

Table 4. Driving Schedule for Bus Operation on the Durability Test Track.

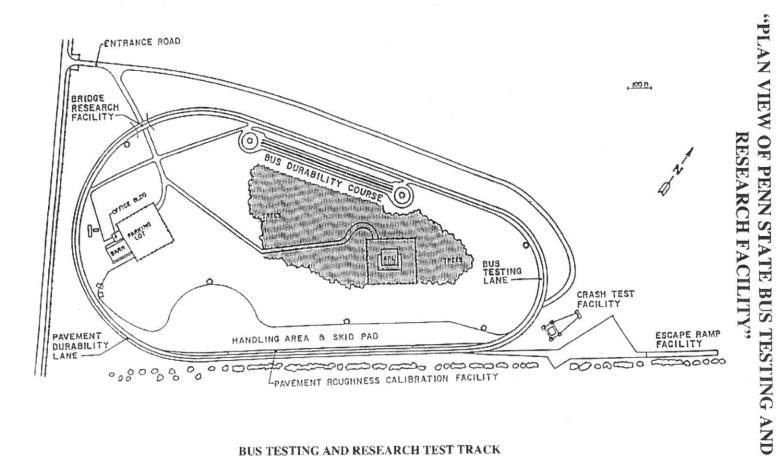
STANDARD OPERATING SCHEDULE

Manday	46	F-14-
violiday	through	Friday

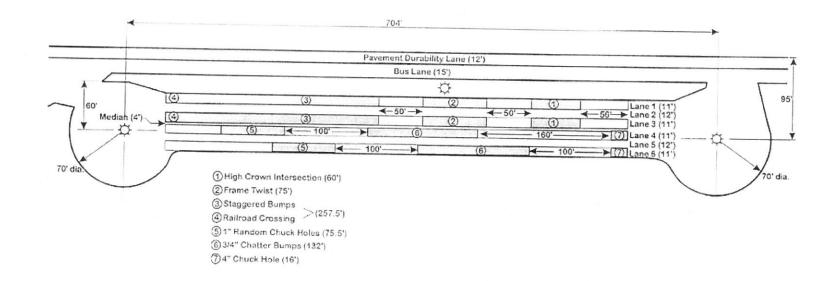
	HOUR	ACTION
Shift 1	midnight	D
	1:40 am	С
	1:50 am	В
	2:00 am	D
	3:35 am	C
	3:45 am	В
	4:05 am	D
	5:40 am	C
	5:50 am	В
	6:00 am	D
	7:40 am	C
	7:50 am	F
Shift 2	8:00 am	D
	9:40 am	C
	9:50 am	В
	10:00 am	D
	11:35 am	C
	11:45 am	В
	12:05 pm	D
	1:40 pm	C
	1:50 pm	В
	2:00 pm	D
	3:40 pm	C
	3:50 pm	F
Shift 3	4:00 pm	D
	5:40 pm	C
	5:50 pm	В
	6:00 pm	D
	7:40 pm	C
	7:50 pm	В
	8:05 pm	D
	9:40 pm	C
	9:50 pm	В
	10:00 pm	D
	11:40 pm	С
	11:50 pm	F

B-Break

C----Cycle all systems five times, visual inspection, driver's log entries D----Drive bus as specified by procedure F----Fuel bus, complete driver's log shift entries



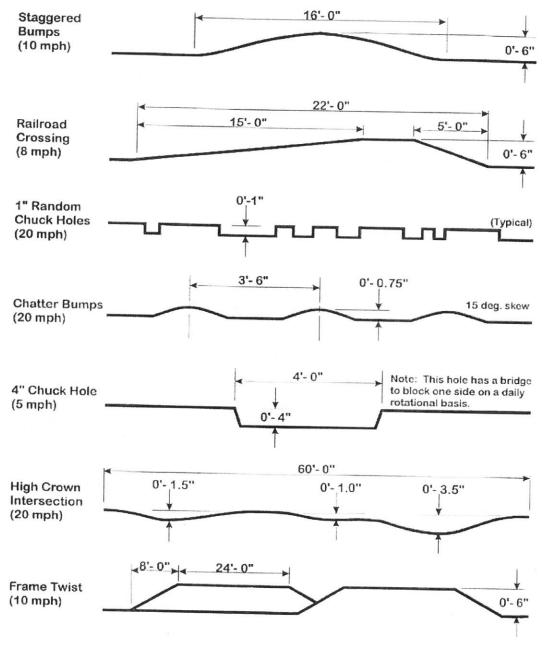
BUS TESTING AND RESEARCH TEST TRACK UNIVERSITY PARK, PA



Plan View

Vehicle Durability Test Track

The Pennsylvania Transportation Institute Penn State



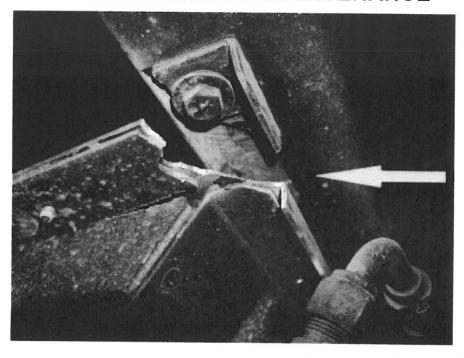
Durability Element Profiles

The Pennsylvania Transportation Institute Penn State

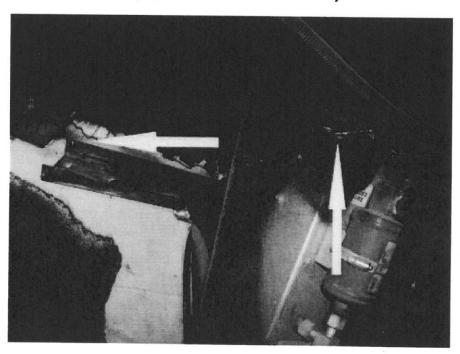
(Page 1 of 1) UNSCHEDULED MAINTENANCE Goshen Coach Bus #1314

DATE	TEST MILES	SERVICE	ACTIVITY	MAN	DOWN
09-30-13	840	The two rear tailpipe hangers are broken.	Replaced two rear tailpipe hangers.	1.00	6.00
11-04-13	5,409	All six tires are worn.	Mounted, balanced and replaced all six tires.	4.00	4.00
11-06-13	5,936	The A/C condenser mounts are cracked.	Welded/repaired mounts.	3.00	16.00
		a a			

UNSCHEDULED MAINTENANCE



CRACKED/BROKEN A/C CONDENSER MOUNT (5,936 TEST MILES)



25161 Leer Drive Elkhart, IN 46514 Phone: 574.970-6300 FAX: 574.266.5866

www.goshencoach.com

GOSHEN COACH WATER LEAK TESTING FACILITY

The Goshen Coach water test booth consists of 48 exterior nozzles and 16 undercarriage nozzles. Water testing is conducted for 15 minutes per unit. A failure is considered when any trace evidence of water is found inside the unit during the testing period. Any unit failing the test is then retested for an additional 15 minutes after the repair to the failed area is completed. All units must pass the water test. The water test QAV sheet (see attached) must be signed off and will contain information on any area that did not pass testing on previous tests, if necessary.

The pump used in the system is a 10 hp, 3450 rpm motor producing the following statistics with the current set up: Part # 15F Rain Bird MPR 30 Degree Nozzles allow 3.3 GPM per nozzle @ 48 nozzles produce 158.4 GPM (64 nozzles with undercarriage produce 211.2 GPM) Water pressure: 25 PSI minimum

Test document attached

Ph: 574-206-2476

Fax: 574-266-5866

Email: mleroy@goshencoach.com



25161 Leer Drive Elkhart, IN 46514

Phone: 574.970-6300 FAX: 574.266.5866

www.goshencoach.com



QUALITY ASSURANCE VERIFICATION

ધું ધું ધું ધું goshen coach

-a THOR company -

Page 12 of 17

- ugo 12 01 //							
AUDIT DESCRIPTION: UI	NIT WATER TEST		∇ D0513	Critical Eleme	ant		
UNIT NUMBER:		DRIVER'S	RELEASE SIGNA	the same of the sa	3111		
0	hor Company ffice of Standa ystems Depart Unit #	rds & Co ment-Go Model	mpliance shen Coach Water Pressure	Duration	Tested by	Retest 2 Wheelchar	3 4 5 6
dite Use pector	date date inspector Street Curb Window = External Egress Pass date bespector Street Curb Window = External Egress	Stre Cunt Win Exte Egre pa	dow # Inhal SS SS Substitute SS SS SS SS SS SS SS SS SS	pass date uspector Street Curb Window = External Egress pass date uspector Street Curb Window = External Egress	2. 3. 4.	Front 1 2 3 4 5 6 Damp Drop Drip Sm Stream Lg Stream	Curb

Ph: 574-206-2476

Fax: 574-266-5866

Email: mleroy@goshencoach.com



25161 Leer Drive Elkhart, IN 46514

Phone: 574.970-6300 FAX: 574.266.5866 www.goshencoach.com

-a THOR company -

#	Description of Leak	Repaired by	Passed
-		2)	ру
+			
			-
			-
ahau	e specified transit bus has successfully paged the		-

The above specified transit bus has successfully passed the prescribed water spray test with no detected leakage in critical areas.

Approving Signature of Tester

REQ No.	PTR13059
REGINO.	

STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name:National Bus Sales & Leasing		
C C	2000	4/16/14
Authorized Signature:	_ Date:	1/10/11
State of		
Country of Augusta to-wit:		11
Taken, subscribed, and sworn to before me this May of Way		
My Commission expires 08 31 201, 20	-	
AFFIX SEAL HERE LEE CANAL NOTARY PUBLIC	an	Mens
NOTARY OF	Pure	hasing Anidavit (Revised 07/01/2012)
PUBLIC 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	AN BOOLS	
MY COMMISSION S		The same of the sa
08/31/15	/	
EALTH OKUMUN		

REQUIRED BID DOCUMENTATION CHECKLIST

Model Year: 2014 Model: Impulse

Manu	Goshen Coach Ifacturer:
Mandatory Bi	id Forms-must be submitted with bid
Х	Bid form 1 LOCATION(S) OF THE TECHNICAL SERVICE REPRESENTATIVE(S)
Х	Bid form 2 CERTIFICATION FOR AIR POLLUTION
Х	Bid form 3 DISADVANTAGED BUSINESS ENTERPRISE VENDORS/ MANUFACTURERS CERTIFICATION
X	Bid form 4 BUY AMERICA CERTIFICATION ROLLING STOCK
X	Bid form 5 FEDERAL MOTOR VEHICLE SAFETY STANDARDS CERTIFICATION
Х	Bid form 6 U.S. COMPTROLLER'S DEBARMENT LIST CERTIFICATION
X	Bid form 6A CERTIFICATION OF PRIMARY PARTICIPANT REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS
X	Bid form 7 VENDOR'S CERTIFICATION OF UNDERSTANDING AND ACCEPTANCE
X	Bid form 8 CERTIFICATION OF COMPLIANCE WITH FTA'S BUS TESTING REQUIREMENTS
Х	COPY OF RELEVANT BUS TESTING REPORT- 3.5 STURAA TEST- 4 Years; 3.13.1g Water Testing- details of process; 3.15Seating Diagram- provide proposed seating diagrams
X	Bid form 9 CERTIFICATION OF RESTRICTIONS ON LOBBYING
Х	Pricing page
Mandatory I	Documentation-must be submitted within 48 hours of request
Section Referenced	
3.6	Engine: V-10 heavy duty gasoline engine- provide description, warranty, and literature
3.6g	High Idle System- provide description, warranty, and literature
3.6h	Engine oil cooler - provide description, warranty, and Literature
_x3.7	Transmission- provide description, warranty, and literature
_x3.7.d	Transmission Cooling System- provide description, warranty, and literature
x 3.8.1	Heavy Duty Brakes- provide description, warranty, and literature

Suspension System-provide description, warranty, and literature
Tire Information- provide description, warranty, and literature
Electrical System- provide description, warranty, and literature
Alternator- specify the rectifier, method of installation, provide warranty and literature
Batteries- specify type and capacity
Exterior Lights -LED Lights- provide description, warranty, and literature
Exterior lighting products- provide description, warranty, and literature
Interior Lights- provide description/details
Rear Alarm- provide description, warranty, and literature
Backup camera- provide description, warranty, and literature
Fuse box panel- provide description/details
Heating System- provide description, warranty and literature
Stepwell Heater- provide description, warranty and literature
Auxiliary Heaters- provide description, warranty and literature
A/C Cooling System- provide description, warranty and literature
A/C Compressor- provide description, warranty and literature
A/C Condenser Information- provide description, warranty and Literature
Driver's Evaporator- provide description, warranty and literature
A/C Hose System- provide description, warranty and literature
Roof Hatch- provide description, warranty and literature
Control Panel Location- submit details
Control Panel Location- sublint details
Circulation Fan- provide description, warranty and literature
Circulation Fan- provide description, warranty and literature Body Construction- provide description of body construction including materials, methods of joining and assembling components or subassemblies and method of

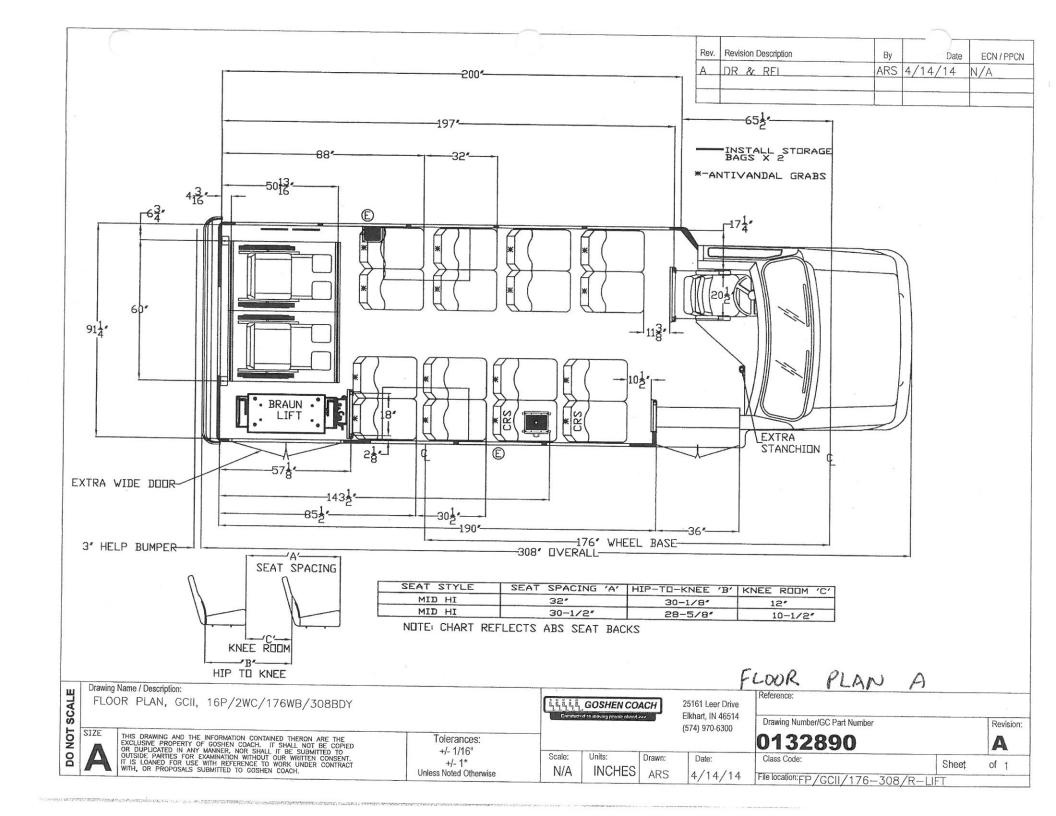
3.13.5a	Sample of Flooring- provide colors per specifications, warranty and literature
x 3.13.5e	Sample of Contrast Flooring- provide color per specifications, warranty and literature
x 3.13.6	Insulation- provide proof of insulation requirement per spec.
3.13.7a	Bumpers- provide description, warranty and literature
3.14	Lift- provide details, model #, warranty and literature. Provide information and literature that lift will meet the NHTSA platform lift requirements.
3.14g	Interlock System- provide description, warranty and literature
3.15a	Passenger Seats- provide a detailed description, warranty and literature for all proposed seating, including flip up seats, child restraint seat- and ABS Knee Saver backs
3.15b	Under Seat Retractor System- provide description, warranty, literature and FMVSS 210 Report Certification
3.15e	Child Restraint Seat (ICS)
x 3.15i	Driver's Seat- provide description, warranty and literature
3.16	Mobility Aid Securement- provide details of proposed system, warranty, and literature
3.20a	Exterior Mirrors- provide description, warranty and literature
3.21	Radio/CD Stereo- provide description, provide warranty and literature
x 3.24	Undercoating/Rust proofing- provide description, warranty, literature and application process
3.25	Interior and Exterior Color Schemes- provide details of schemes available
x 3.25e	Paint Scheme- provide sample of vinyl chart to be used
3.27	Strobe Light-provide description, warranty, and literature; Fixed Route Package-provide description, warranty and literature; PA System- provide description, warranty and literature; Passenger Signaling System- provide description, warranty and literature
4.2	Extended body floor plan
4.3.2	VISTA type lift-provide description, warranty and literature
4.3.3	Passenger armrests- provide description, warranty and literature
4.5	Floor plan
X 4.7.4 X 5.2	Luggage Racks provide description, warranty and literature Items in sections a-l provide proof of compliance
6.1	Warranty on completed vehicle

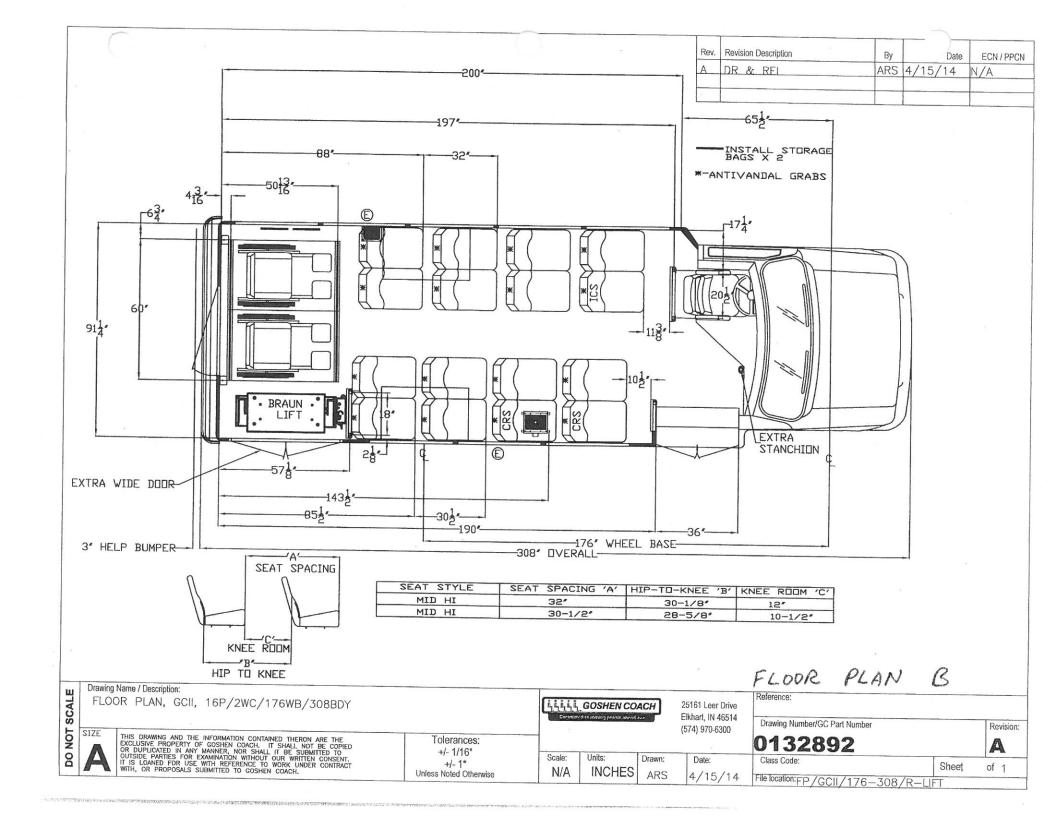
× 6.2	Warranty on Basic Vehicle Structure
6.3 &7.40f	Warranty Locations- A description of how and by whom warranty service will be provided in four (4) areas of WV to cover both Mechanical and body work. Provide vendor who will do warranty of both chassis and body, including bus body, air conditioning and wheelchair lifts. Four areas of WV include: Northern Panhandle, Eastern Panhandle Central WV and Southern WV
_x6.4	Warranty per specs on subsystems and components
$\frac{x}{x}$ 7.1 7.36	Complete (2) bids in binder form – (1) Marked for WVDPT Training- submit letter of understanding to the terms in this section
7.40a	Complete Mechanical Description of Vehicle, its construction and equipment including manufacturer's model, model name and/or number and model year Include Warranty Information
7.40b	Proposed Floorplans
7 .40c	Curb Weight (empty weight and Gross Vehicle Weight Rating (GVWR) of vehicle
7.40f	Location of nearest depot which will furnish a complete supply of parts and components for the repair and maintenance of the vehicle to be supplied
7 .40g	Description of the undercoating/rust proofing system, including warranty to be provided.
_x7.40h	Location of assembly
7.40i	List of five users names, addresses and telephone numbers to whom who have been provided similar equipment
X	No Debt Affidavit
X	Pricing page

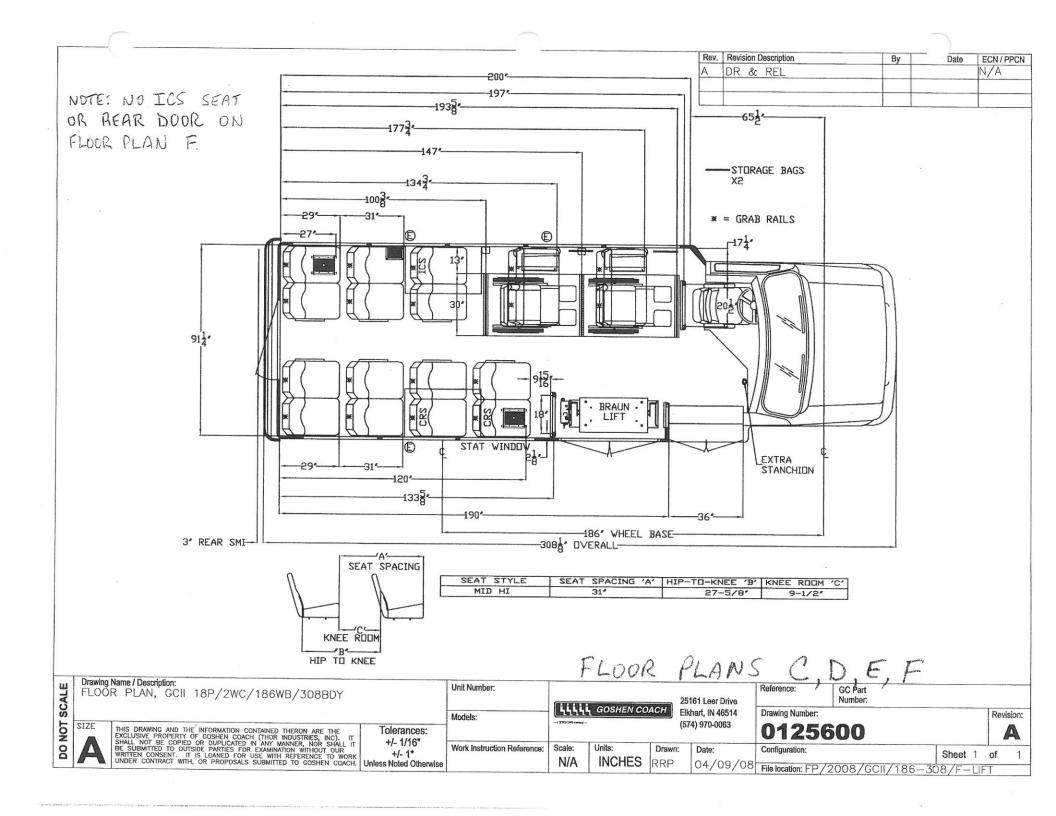
CERTIFICATION AND SIGNATURE PAGE

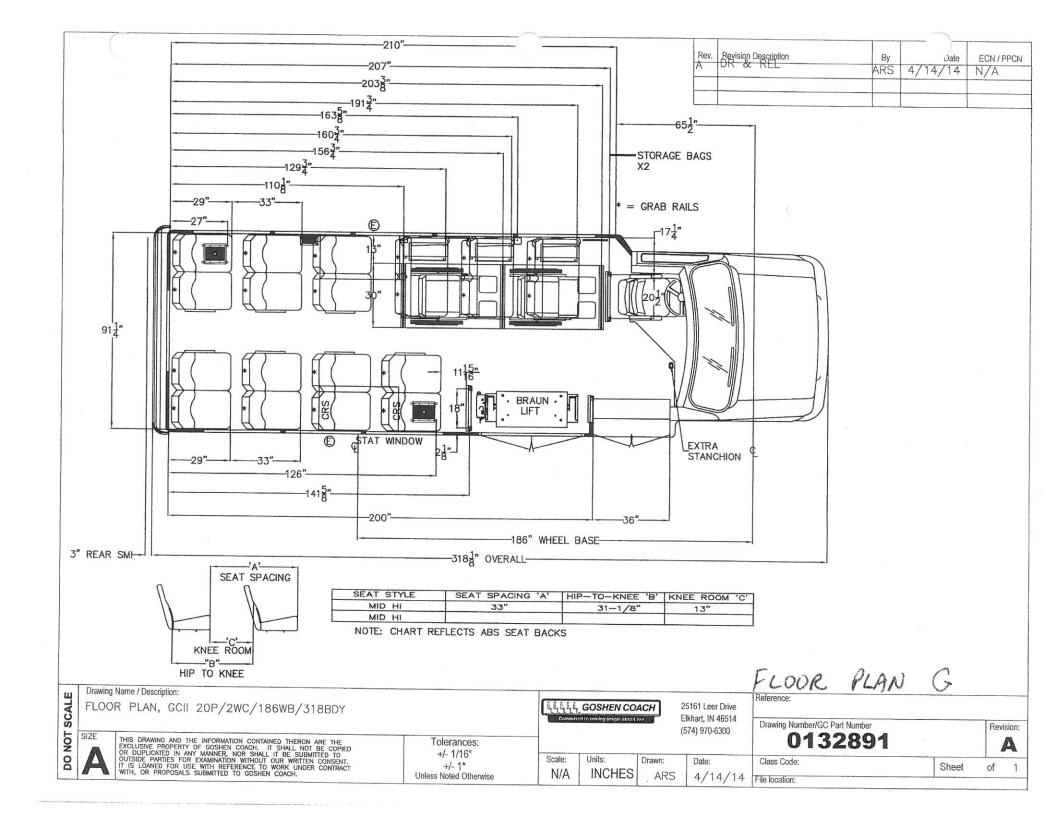
By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid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

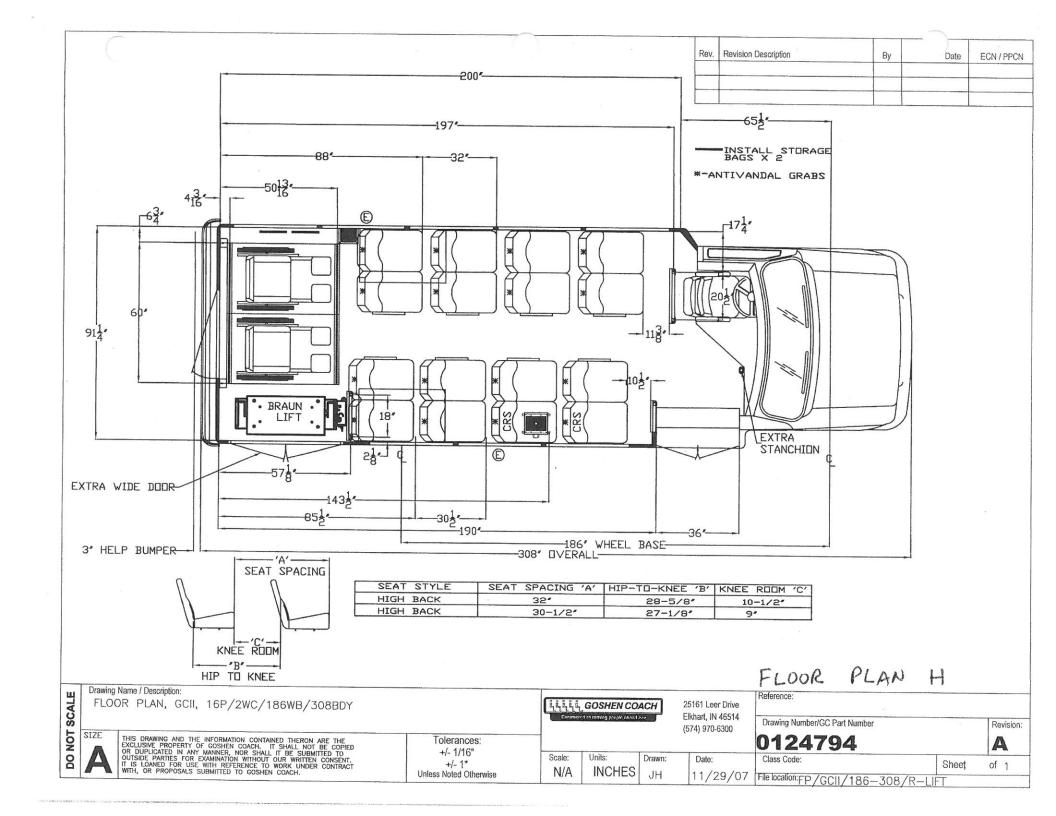
National Bus Sales (Company)	
(Authorized Signature)	
Andrew Clawson Re	egional Representative
(Representative Name, T	itle)
(540)256-3245	(770)422-9007
(Phone Number)	(Fax Number)
4/17/14	













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

Solicitation

NUMBER PTR13059 PAGE 1

ADDRESS CORRESPONDENCE TO ATTENTION OF

BETH COLLINS 304-558-2306

DIVISION OF PUBLIC TRANSIT KANAWHA VALLEY REGIONAL TRANS

1550 FOURTH AVENUE CHARLESTON, WV 25325

304-343-3840

*724144045 800-282-7981 NATIONAL BUS SALES & LEASING I PO BOX 6549 VERDOR MARIETTA GA 30065

DATE PRINTED 02/21/2014

ID OPENING DA	ATE: 04/17/	2014	a consociations	BID (OPENING TIME 1	:30PM
LINE	QUANTITY	UOP	CAT. NO	ITEM NUMBER	UNIT PRICE	AMOUNT
01	1	EA	5	57-05	PLEASE SEE PRICING PAGE	PLEASE SEE PRICING PAGE
	176" WHEELBA	SE BUS	ES(18	PASSENGER CUTAV	AYS)	
				E		
			OPEN	END CONTRACT	al .	\$
	THE WEST VIR	GINIA	PURCE	ASING DIVISION,	FOR THE AGENCY,	
	THE WEST VIR	GINIA IDS FO	DIVIS R AN	ION OF PUBLIC TR	ANSIT, IS	
	ONE (1) TO T	WENTY	(20)	176" - 186" WHEE	LBASE CUTAWAY	*
	PER THE ATTA	CHED I	OCAME	NING AND WHEELCH	AIR SECUREMENT	* ±
						PLEASE SEE
	***** THTS	TS TH	E END	OF REO PTD130)59 ***** TOTAL:	DD 7 G 7 11 G 7 G 7 G 7 G 7 G 7 G 7 G 7 G
					Joy www.ww. TOTAL:	
	©		59.			
	¥					
	8					

INATURE	20			TELEPHONE	(540)256-3246 DATE	4/15/14
LE REGIONA	L REPRESENTATIVE	FEIN 58-	1216021			S TO BE NOTED ABOVE

9.6 Delivery Time: Vendor shall deliver standard orders within 150 working days after orders are received. Vendor shall ship all orders in accordance with the above schedule and shall not hold orders until a minimum delivery quantity is met.
9.7 Delivery Payment/Risk of Loss: Standard order delivery shall be F.O.B. destination to the Agency's designated location. Vendor shall include the cost of standard order delivery charges in its bid pricing/discount and is not permitted to charge the Agency separately for such delivery.

10.0 MISCELLANEOUS:

- 10.1 No Substitutions: Vendor shall supply only Contract Items submitted in response to the RFQ unless a contract modification is approved in accordance with the provisions contained in this Contract.
- 10.2 Vendor Supply: Vendor must carry sufficient inventory of the Contract Items being offered to fulfill its obligations under this Contract. By signing its bid, Vendor certifies that it can supply the Contract Items contained in its bid response.
- 10.3 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: ANDREW CLAWSON
Telephone Number: (540)256-3246
Fax Number: (770)422-9007
Email Address: aclawson@nationalbussales.com

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

REQUIRED BID FORMS

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

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



MODZMA

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

RFQ COPY TYPE NAME/ADDRESS HERE

Solicitation

NUMBER PTR13059 PAGE 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:

BETH COLLINS 304-558-2157

DIVISION OF PUBLIC TRANSIT KANAWHA VALLEY REGIONAL TRANS

1550 FOURTH AVENUE CHARLESTON, WV 25325 304

304-343-3840

DATE PRINTED 03/21/2014

BID OPENING DATE: 04/17/2014

BID OPENING TIME

1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
		ADI	DENDU	1 NO. 01		
	THIS ADDENDED SOLICITATION	JM IS	ISSU	ED TO MODIFY THE	ORIGINAL TATION.	
01	1	EA	•	57-05	Please See Pricing Page	Please See Pricing Page
		E BU	SES(1	PASSENGER CUTA	WAYS)	
					,	Please See
,	***** THIS	IS TH	E END	OF RFQ PTR13	59 ***** TOTAL:	Pricing Page
					2	
	4.7					

SIGNATURE

TELEPHONE (540)256-3246

DATE 4/17/14

Regional Representative

FEIN 58-1216021

ADDRESS CHANGES TO BE NOTED ABOVE



NODSE

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

RFQ COPY
TYPE NAME/ADDRESS HERE

Solicitation

NUMBER PTR13059

PAGE 1

ADDRESS CORRESPONDENCE TO ATTENTION OF

BETH COLLINS 304-558-2157

DIVISION OF PUBLIC TRANSIT KANAWHA VALLEY REGIONAL TRANS

1550 FOURTH AVENUE CHARLESTON, WV 25325 30

304-343-3840

DATE PRINTED 04/02/2014 BID OPENING DATE 04/17/2014 BID OPENING TIME 1:30PM CAT. LINE QUANTITY UOP ITEM NUMBER UNIT PRICE **AMOUNT** ADDENDUM NO.02 THIS ADDENDUM IS ISSUED TO MODIFY THE ORIGINAL SOLICITATION PER THE ATTACHED DOCUMENTATION. Please See d001 Please See HA 557-05 Pricing Page Pricing Page 1 176" WHEELBASE BUSES (18 PASSENGER CUTAWAYS) Please See THIS IS THE END OF REQ PTR13d59 ***** TOTAL: Pricing Page

ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.: PTR13059

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

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

	umbers Received: x next to each addendum receiv	red)	
X	Addendum No. 1		Addendum No. 6
X	Addendum No. 2		Addendum No. 7
	Addendum No. 3		Addendum No. 8
	Addendum No. 4		Addendum No. 9
	Addendum No. 5		Addendum No. 10
further unders discussion hel	tand that any verbal representat d between Vendor's representat	ion mad tives an	denda may be cause for rejection of this bid. I ade or assumed to be made during any oral and any state personnel is not binding. Only the fications by an official addendum is binding.
×			National Bus Sales & Leasing
	,		Company
			Ma
			Authorized Signature
			4/17/14
			Date

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

Class	Item Description	Unit Price	Estimated	Extended Price
		Per Vehicle	Quantity	
A	Bus	\$62,739.00	5	\$313,695.00
В	Bus, child restraint seat, security camera, rear exit	\$65,677.00	5	\$317,885.00
С	Bus, child restraint seat, security camera, rear exit, extended body, front lift, passenger armrests	\$67,178.00	5	\$335,890.00
D	Bus, child restraint seats, security cameras, a rear exit, extended body with front lift, 3/4 bus paint with expanded graphics	\$69,236.00	5	\$346,180.00
Е	Bus, child restraint seats, security cameras, a rear exit, extended body with front lift, a VISTA type lift or equal, passenger armrests	\$66,821.00	5	\$334,105.00
F	Bus, extended body with front lift, passenger armrests, Full Bus Body Paint, Bike Rack Mounting Preparation	\$66,330.00	5	\$331,650.00
G	Bus, passenger armrests, extended body, front lift, full bus paint, bike rack mounting prep, two additional seats	\$67,459.00	5	\$337,295.00
Н	Bus, extended body, armrests, full bus paint, bike rack mounting prep, overhead luggage, high back seats	\$64,463.00	5	\$322,315.00
			Total for Bid Evaluation:	\$2,649,515.0

Class	Item Description	Unit Price	Estimated	Extended Price
		Per Vehicle	Quantity	
Α	Bus	\$62,739.00	5	\$313,695.00
В	Bus, child restraint seat, security camera, rear exit	\$65,677.00	5	\$317,885.00
С	Bus, child restraint seat, security camera, rear exit, extended body, front lift, passenger armrests	\$67,178.00	5	\$335,890.00
D	Bus, child restraint seats, security cameras, a rear exit, extended body with front lift, 3/4 bus paint with expanded graphics	\$69,236.00	5	\$346,180.00
E	Bus, child restraint seats, security cameras, a rear exit, extended body with front lift, a VISTA type lift or equal, passenger armrests	\$66,821.00	5	\$334,105.00
F	Bus, extended body with front lift, passenger armrests, Full Bus Body Paint, Bike Rack Mounting Preparation	\$66,330.00	5	\$331,650.00
G	Bus, passenger armrests, extended body, front lift, full bus paint, bike rack mounting prep, two additional seats	\$67,459.00	5	\$337,295.00
Н	Bus, extended body, armrests, full bus paint, bike rack mounting prep, overhead luggage, high back seats	\$64,463.00	5	\$322,315.00
			Total for Bid Evaluation:	\$2,649,515.0