



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

# Request for Quotation

RFQ NUMBER  
 PTR09022

PAGE  
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF  
 FRANK WHITTAKER  
 304-558-2316

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE

SHIP TO

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/10/2009				

BID OPENING DATE: 03/18/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 1 *****						
THIS ADDENDUM IS ISSUED TO PROVIDE THE ATTACHED CLARIFICATIONS, RESPONSES, VENDOR SIGN-IN SHEET AND REVISED COST SHEET RESULTING FROM THE MANDATORY PRE-BID CONFERENCE HELD ON 02/02/09.						
DEADLINE FOR SUBMISSION OF APPROVED EQUALS IS: 02/17/09 BID OPENING DATE REMAINS 03/18/2009 AT 1:30 PM.						
0001	1	EA		557-60		
LOW-FLOOR TRANSIT VEHICLE WITH WINDOWS WITH A/C						
***** THIS IS THE END OF RFQ PTR09022 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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

**GENERAL TERMS & CONDITIONS**  
**REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

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**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

PTR09022  
Addendum #1

1. Remove Vendor Preference Form. FTA will not allow this form.
2. Approved Equals are due to the West Virginia Purchasing Division on:
  - February 17, 2009
3. Part 1, Section 24: Vendors agree to supply (2) one day training sessions annually at locations scheduled by the WVDPT.
4. Part 2, Section 10.1- If Braun Corp. supplies a longer ramp, an extra length ramp is approved.
5. Part 2, Section 11.1.8- Air Ride Seat replaces power seat per discussion. Vendors will use their seats.
6. Part 2, Section 19.5- Please add a notification light on the dash and an additional buzzer to notify the driver when the stop request cord is pulled.
7. Add a new section to Part 2, Section 19.7- Passenger visible clock shall be supplied larger enough to meet ADA requirements.
8. Add a new section to Part 2, Section 19.6.1- Add a camera and a dash monitor to allow the driver to view curbside of vehicle. WVDPT will agree to location.
9. Add OPTION K: Hybrid Drive System Bus: This bus will be built on a regular non-low-floor chassis that meets all of the bus and body specs of the RFQ as well as the following: ADD NEW OPTION PAGE AS ATTACHED.  
Provide information of bus chassis and Hybrid Drive System with Bid.

#### HYBRID DRIVE SYSTEM OPTION

Chassis production shall incorporate the inclusion of a parallel hybrid electric drive system. The hybrid electric drive will add a permanent magnet electric motor /generator to the power train with a lithium ion battery system. The motor shall be liquid cooled and integrated pre-transmission in a parallel configuration. The motor will be a minimum of 60 hp capable of producing 310lb-ft torque. The hybrid system will be completely integrated into the chassis electrical system to provide seamless operation to the operator. If the hybrid system would go off-line for any reason the bus will continue to work conventionally. The complete HEV system will be warranted from one manufacturer.

The electric motor, transmission and engine electronics will be an OEM chassis design utilizing an integrated J-1939 communication system. The high voltage batteries shall be incased in a "Power Electronics" Carrier (PEC) and mounted longitudinally on the street side of the vehicle. The battery compartment will be self-draining and vented with a fresh air filter. The high voltage cables shall be orange and contain a warning label near the end of each connector. The master shut-off, high voltage cabling shall be conveniently located on one side of the PEC.

The primary starting system for chassis engine is the hybrid drive motor. Chassis 12-volt engine starter shall provide back-up cranking system. If the Hybrid System is offline or the hybrid batteries are not sufficiently charged, the bus will automatically default to the 12-volt cranking system and provide starter electrical power.

The transmission will be an auto-clutch auto-shift Eaton six-speed transmission with integrated hybrid motor assembly located between the engine and transmission. The driver

shift control shall be electronic and push pad design with visual indicators. The regenerative braking mode of the motor will be discontinued during an ABS event.

#### **Minimum Hybrid Specifications:**

- High-voltage batteries are located inside the Power Electronics Carrier (PEC). The PEC is a plastic composite shell with a metal reinforcement. The PEC is to be conveniently located on the driver's side under the cab.
- Two high-voltage batteries that are connected in series with each battery producing 172 volts. Each battery consists of 48 individual cells that contain 3.6 volts and are connected in series to produce 172 volts. Each cell is contained in a sealed container. The batteries contain Lithium Manganese Oxide. The electrolyte used in the battery is a Lithium Salt in an organic solvent.
- A high-voltage fuse located in the Power Electronics Carrier (PEC) provides protection in high-voltage battery system.
- The high-voltage cables coming from the PEC are controlled by relays that are normally open. When the ignition key is turned off, the relays open, this contains the voltage inside the Power Electronics Carrier (PEC).
- All positive and negative high-voltage cables are isolated from the metal chassis to prevent shock by touching the metal chassis.
- A ground fault monitor continuously checks for high-voltage leakage to the metal chassis while the vehicle is running. If a malfunction is detected the Amber "Check Hybrid" lamp is lit, and the high-voltage system is shut off.
- An inertia switch mounted in the PEC will open the high-voltage relay circuit in the event of an accident.
- All high-voltage DC cables contain an Interlock loop that will shut down the high-voltage system if they become loose or disconnected.
- The AC cable is continuously monitored to detect an open or short to ground fault. If a fault is detected at key on the vehicle will not crank. If the vehicle is moving the red 'Stop Hybrid' lamp will illuminate.

Warranty for Hybrid Drive System 3 year/ 150,000 miles, Transmission 3 year/ 150,000 miles

BUYER: FW-44 PAGE PTR#09022  
 Spending Unit: Division of Public Transit  
 Department of Transportation  
 Low-Floor Transit Bus

Model Year: \_\_\_\_\_ Model: \_\_\_\_\_ Manufacturer: \_\_\_\_\_

Price for each completed vehicle with 2 wheelchair spaces:	\$ _____	15	\$ _____
OPTION A: Brake Retarder	\$ _____	15	\$ _____
OPTION B: Roof Mount A/C Condenser System	\$ _____	15	\$ _____
OPTION C: Emergency Rear Exit Door	\$ _____	15	\$ _____
OPTION D: Child Restraint Seat	\$ _____	15	\$ _____
OPTION E: Cloth Passenger Seats	\$ _____	15	\$ _____
OPTION F: Automatic Tire Chain Device	\$ _____	15	\$ _____
OPTION G: Security Camera System (CREDIT)	(\$ _____)		(\$ _____)
OPTION H: Security Camera Playback System	\$ _____	15	\$ _____
OPTION I: Vehicle Skirt Painting	\$ _____	15	\$ _____
OPTION J: Full Bus Body Paint	\$ _____	15	\$ _____
OPTION K: Hybrid Drive System Bus	\$ _____	15	\$ _____

**SIGN IN SHEET**

Date: 2/2/09

Request for Proposal No. PT09022

PLEASE PRINT

\* PLEASE BE SURE TO PRINT LEGIBLY - IF POSSIBLE, LEAVE A BUSINESS CARD

FIRM & REPRESENTATIVE NAME	MAILING ADDRESS	TELEPHONE & FAX NUMBERS
Company: <u>Sunny Merryman Inc.</u>	<u>5120 Woods Rd.</u>	PHONE <u>1-800-533-1006</u>
Rep: <u>Chad Seals</u>	<u>Fryingtown Va. 24530</u>	TOLL FREE
Email Address: <u>chad@sunnymerryman.com</u>		FAX <u>1-434-821-4456</u>
Company: <u>National Bus Sales &amp; Leasing, Inc.</u>	<u>2015 W. Main St.</u>	PHONE <u>540 256 3246</u>
Rep: <u>Andrew Clawson</u>	<u>Waynesboro VA</u>	TOLL FREE <u>800 282 7181</u>
Email Address: <u>aclawson@nationalbussales.com</u>	<u>22980</u>	FAX <u>770 422 9007</u>
Company: <u>Champion Bus</u>	<u>275 Graham Rd.</u>	PHONE <u>540 729 3751</u>
Rep: <u>David Clawson</u>	<u>Tulay City, MI</u>	TOLL FREE <u>800 331-5761</u>
Email Address: <u>dclawson@nationalbussales.com</u>	<u>48444</u>	FAX <u>540 337 4619</u>
Company: <u>FAIRMONT-MARION COUNTY TRANSITA.</u>	<u>400 QUINCY ST</u>	PHONE <u>304-366-8177</u>
Rep: <u>GEORGE LEVITSKY</u>	<u>FAIRMONT WV</u>	TOLL FREE
Email Address: <u>FMCTA@WVUSL.NET</u>	<u>26554</u>	FAX <u>304-366-2308</u>
Company: <u>FAIRMONT-MARION CO TRANSIT AUTH</u>	<u>400 QUINCY ST</u>	PHONE <u>304.366.8177</u>
Rep: <u>Eric Southaven</u>	<u>FAIRMONT WV</u>	TOLL FREE
Email Address: <u>WVABIG@Yahoo.Com</u>	<u>26554</u>	FAX <u>304,366,2308</u>

**SIGN IN SHEET**

Date: 2/2/09

Request for Proposal No. PTRO9022

PLEASE PRINT

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TELEPHONE & FAX NUMBERS

FIRM & REPRESENTATIVE NAME MAILING ADDRESS

Company: <u>Division of Public Transit</u>	PHONE <u>558-0428</u>
Rep: <u>Susan O'Connell</u>	TOLL FREE
Email Address: _____	FAX
Company: <u>DIV. OF Public Transit</u>	PHONE <u>558-0428</u>
Rep: <u>Tim Thomas</u>	TOLL FREE
Email Address: _____	FAX
Company: <u>Bluefield Area Transit</u>	PHONE <u>304-327-8418</u>
Rep: <u>Patrick McKinney</u>	TOLL FREE
Email Address: <u>pmckinney@wvta.net</u>	FAX
Company: <u>Central WV Transit</u>	PHONE
Rep: <u>Kevin J. Ray</u>	TOLL FREE
Email Address: <u>Kevin@centralbus.com</u>	FAX
Company: <u>Mt. Love Transit</u>	PHONE
Rep: <u>Del Paul</u>	TOLL FREE
Email Address: <u>Buffy@busride.org</u>	FAX

Mt. Love Transit  
Wayne Pifer  
pifer@busride.org