

NOTE: Accepting options to purchase Converted Window Van with Wheelchair Lift with seating arrangements for 6 Ambulatory and 1 wheelchair position at the rear of the van or 8 Ambulatory and no wheelchair position.

DESCRIPTION:

These specifications describe a new converted window van with wheelchair lift shall have a high roof for standing adults with a low doorstep, and a high quality interior trim and seating package. The converted window van should be a Mid Roof, long wheelbase, one-ton chassis, or approved equal and shall be available with all possible options which make the van suited to stop start duty cycles. All bidders must comply with each requirement listed. The Converted Window Van W/ Wheelchair Lift shall be of substantial and durable construction in all respect, with particular attention given to features, which will provide the safest possible Bus for transporting passengers. Altoona test results required to be furnished as a part of the bid.

The pre-award and post-delivery audits for compliance with the requirements of Buy America will be conducted by a person who is not an employee or agent of the manufacturer.

The bidder shall certify that all equipment provided meets or exceeds all state and federal requirements applicable to the equipment. For example, equipment shall meet USDOT, ICC, FMVSS, Buy American Requirements, OSHA and Kentucky Motor Vehicle Requirements as to highway safety and other applicable regulations. Required model clauses are attached to bid package.

If a Bidder takes any exception to the Technical Specifications listed, the Bidder must indicate each exception and shall explain the reason for each exception taken.

Quantity: minimum one (1) vehicle to be purchased with one hundred fifty-two (152) options to purchase additional vehicles for a maximum of one hundred fifty-two (152) vehicles per specification. In addition, KPTA/RTEC has the right to assign a portion of the contract awarded, to allow other transit agencies to purchase any remaining options.

Failure of RTEC/KPTA to specifically identify Federal and State regulations in its specification does not relieve the bidder of the responsibility to meet them.

DETAILED SPECIFICATIONS:

Materials

All materials used in manufacturing of the **Converted Window Van with Wheelchair Lift** shall conform in all respects to American Society of Testing Materials, Society of Automotive Engineers or similar association standards. Materials used shall be of first quality and shall be exactly duplicated in manufacture, design and construction on each Converted Window Van with Wheelchair lift. All units or parts not specified shall be manufacturer’s best quality and shall conform in materials, design, or workmanship to the best practice known in the automotive industry. All parts shall be new and in no case will used, reconditioned or obsolete parts be accepted. The parts on all vehicles provided by the same manufacturer should be interchangeable.

Capacity

Off Center Aisle Wagon must be able to accommodate the following load:

1. 6 Ambulatory and 1 Wheelchair position or 8 Ambulatory and no wheelchair

DIMENSIONS:

Description	Requirements
Converted Window Van W/ Wheelchair Lift	Mid Roof, Long wheelbase w/ rear wheelchair lift
Body Warranty	3 years/36,000 Miles Structural Warranty
Overall Exterior Length	238” Minimum
Overall Exterior Width (ex. mirrors)	75” Minimum
Overall Height	Medium Roof 100.8”
Interior Length	142” Minimum
Aisle Width	10” Minimum
Interior Width	65” Minimum
Interior Height	67” Minimum

CHASSIS EQUIPMENT:

Description	Requirements
Model Year	2019 or Newer
Wheelbase	148”
G.V.W.R	9,000 lb Minimum
Engine	3.7L V-6 Gasoline Engine Minimum
High Idle System	High Idle System intended to maintain battery charging under heavy demand when the vehicle is stationary and the emergency brake

	is applied shall be provided. The fast idle switch will automatically disengage when the vehicle is placed in the forward or reverse gear.
Transmission	Six (6) Speed Automatic W/ Overdrive Minimum
Drive Shaft Guard	Drive Shaft shall be equipped with a guard to prevent it from striking the floor or ground when broken
Steering	Power
Rear Axle And final Drive	Axle capacity of 5,070 lbs minimum. Leaf springs and heavy duty gas filled shocks shall be provided. Shocks and suspension shall be matched to the vehicles gross weight.

Description	Requirements
Shocks	Heavy Duty Gas Shocks w/ front and rear anti-spin differential. Shocks and suspension shall be matched to vehicles gross weight. Axle capacity of 4,130 lbs minimum
Brakes	4- Wheel Anti-Lock Power Disk Brakes
Batteries	Dual OEM 650 CCA Minimum
Alternator	OEM 220 Amps Minimum
Bumper Front/Rear & Grill	Manufacturer’s standard front and rear bumpers with matching bumper guards
Wheels	Shall be equipped with the heaviest duty available pressed steel wheels, single front and rear. All wheels shall be interchangeable. Extra heavy duty wheel bearings shall be required. Wheels shall be matched to the vehicle’s gross weight including spare.
Tires	LT 235/65/R-16 or equivalent for load range E, black side walls; standard wheels with upgraded wheel covers
Spare Tire	Mounted on wheel of same size and brand W/ undercarriage tire carrier
Fuel Capacity	Cap less fuel fill 25 Gallons Minimum
Cooling System	Heavy Duty radiator with coolant recovery system, engine oil cooler and transmission cooler

Heating	OEM front heat w/Auxiliary heater (35,000 BTU minimum) in passenger compartment
Insulation	Insulation package to include doors, side trim panels and full length head liner; insulation to be above headliner, under flooring, including wheel housing, engine cover, behind door and sidewall trim panels.
Lighting	All interior and exterior lighting normally provided by the manufacturer as standard equipment w/ daytime running lights
Air Conditioning	Heaviest duty dual front and rear air conditioning supplied by the chassis manufacturer
Mirrors	Shall be supplied by the chassis manufacturer. Mirrors shall be power operated and electrically heated
Power Package	Power Windows, Door Locks, W/ Keyless Entry
Instrument Panel	Speedometer, odometer, fuel gauge, voltage gauge, oil pressure gauge, and engine temperature indicator

Description	Requirements
Fresh Air Intake	High output type heater and defroster, with front and rear vents
Wipers	Variable Control System
Air Bag	Driver, Passenger and Side Curtain Air Bags
Steering Features	Tilt Wheel W/Cruise Control
Radio	OEM AM/FM CD Radio With Clock In OEM Chassis Location In Dash
Glass	In all doors and panels; windshield may have normal factory tint; driver’s window and all passenger windows shall have 33% tint with privacy glass in passenger compartment
Doors	Hinged rear door with glass, inside door handle and lock button; hinged driver and front passenger door
Assist Handle	Vertical stanchion pole/stainless grab bar behind the front passenger seat to assist passenger boarding; a handle mounted at the front passenger door to assist passenger with boarding; the grab bar and handle shall be affixed so as not to come loose during the life of the van during commuter use.

<p>Seats</p>	<p>Two (2) bucket seats in the front for driver and assistant driver; Passenger seats shall be forward facing. Six (6) mid back seats for additional passengers; all seats to be covered in gray vinyl seat upholstery or color to be specified at time of order; padded grab handle on back-top of each seat. A forward fold down 2 passenger seat shall be provided in the wheelchair securement area. Seating material should match vinyl seating as close as possible. Freedman GO-ES or approved equal.</p>
<p>Door Steps</p>	<p>In body, conformed steps for side entrance with non-skid surface; height of 10” maximum for the first step to the ground; steps to handle 800 lb minimum; drivers step and front passenger step secured to the vehicle and capable to handle 400 lbs.</p>
<p>Sun Visors and Arm Rests</p>	<p>Sun Visors at both front seating positions; arm rests at the end of each bench and each front seating position</p>
<p>Paint</p>	<p>White Paint for exterior. Body moldings shall be standard for the manufacturer. Gray vinyl for interior or color to be specified at time of order. No dealer decals or emblems on vehicle.</p>

<p>Description</p>	<p>Requirements</p>
<p>Undercoating</p>	<p>Complete undercoating with corrosion protection with minimum 5 year warranty.</p>
<p>Safety Equipment</p>	<p>Mounted 16-unit First Aid Kit, mounted 5 lb. fire extinguisher, reflective triangle kit containing 3 triangles, blood spill clean-up kit 10-unit minimum, reverse alarm and back up sonar must be installed in each vehicle. Rear window eye or wide angle lens 11” X 14” minimum shall be provided. An OEM chassis supplied backup camera shall be provided. Seat Belt Cutter shall be secured in the storage compartment. Each vehicle shall be equipped with (2) seat belt extensions.</p>

FLOOR COVERING:

Floor covering shall be slip resistant vinyl flooring, constructed with aluminum oxide, silicon carbide, quartz and multiple colored PVC chip blended throughout a high quality vinyl wear surface for better depth perception for sight impaired (top coating is not acceptable).

Bacteriostats will be incorporated providing all exposed surfaces with excellent anti-bacterial properties. Minimum thickness of 2.2 millimeters (combination of flooring and backing material will not be accepted). The subfloor shall be $\frac{3}{4}$ " plywood. All step edges to be marked in yellow in accordance with FTA/ADA requirements. Altro trans floor or approved equal.

ELECTRICAL SYSTEM:

- A. The supplemental wiring harnesses, junctions, fuses and circuit breakers shall be coded and grouped together and accessible from a lockable access box mounted near the driver's seat.
- B. A dual heavy duty, 12-volt horn shall be provided. Installation of horn shall be such as to afford protection from wheel wash.
- C. The electrical system shall incorporate a warning light and audible buzzer, to indicate a door is not fully closed.
- D. Batteries to be dual OEM 650 CCA Minimum. Cables from front battery to rear shall be minimum 4 gauge, with rear circuit breakers/junction block installed inside the rear battery box.

Miscellaneous Specifications:

- A. The curbside interior step well shall be OEM supplied but finished with flooring material matching the interior floor. The floor edge at the step well shall be trimmed with yellow non slip traction tape.
- B. Splashguards shall be provided on each vehicle and be made of $\frac{1}{4}$ " minimum fiber reinforced rubber and shall be mounted at the rear of each wheel housing.
- C. All sharp edges, protruding fasteners, brackets, etc., that can cause injury to the passenger or catch on clothing shall be eliminated.
- D. Vehicle shall have street side exhaust

WHEELCHAIR SECUREMENT SYSTEM -Vendor shall submit description, warranty information and literature information of product with bid.

Wheelchair securement areas and systems shall fully comply with all applicable U.S. Department of Transportation's Americans with Disabilities Requirements. Securement anchorages shall be in vehicle tested to all applicable FMVSS standards.

- A. Vehicle shall be equipped with one (1) wheelchair positions. At each required wheelchair position a wheelchair securement system shall be provided to securely hold the wheelchair in the wheelchair position.
- B. Provisions shall be made, in the wheelchair position area, to stow the straps and buckles off the floor when they are not in use. The stored straps shall not interfere with passenger movement or sitting space. **Vendor shall submit description and location of product with bid.**
- C. The vendor shall provide with each vehicle upon delivery a pamphlet, brochure or similar literature describing and instructing the use of the wheelchair securement system and shall **demonstrate** to the recipient the proper method of using the system. Demonstration of the securement system **must** be performed to insure correct use of the system.
- D. Each wheelchair station shall have a securement system fully complying with ADA requirements and capable of securing most common wheelchairs and other mobility aid devices. Each wheelchair space shall have at least 3-5" in between each space for easy access of driver.

WHEELCHAIR OCCUPANT RESTRAINT SYSTEM:

A restraint system shall be provided for the occupant of the wheelchair at each wheelchair position. The restraint system shall be a seat belt assembly permanently attached to the floor or side of the vehicle or to the wheelchair lock supports. The restraint system shall be capable of securing a passenger in all types of wheelchairs or Scooters, while the chairs are locked in position. The seat belt shall be at least eighty (80) inches long and shall be easily fastened and unfastened by the wheelchair occupant. Each seat belt shall be equipped with a retractor or other device, which keeps the seat belt webbing or strap off the floor when the seat belt is not in use. **Vendor shall submit description, warranty information and literature information of product with bid.**

The system shall be a 4-point, heavy duty, fully automatic retractable Q'Straint QRT 360 or approved equal (dual knobs) tie-downs built to withstand the higher loads of the WC18 standard and be compatible with WC19 wheelchairs mounted onto L track fitting with Lap & Shoulder Belt

Occupant Restraint. This system must be fully retractable with metal housing. Ratchet type tie-downs are not acceptable. The vehicle must have pouches mounted to hold the wheelchair tie-down devices while not in use.

Wheelchair Restraint System shall have a warranty of five (5) years

LIFT: The lift shall meet or exceed all the U.S. Department of Transportation's minimum Americans with Disabilities Act (ADA) requirements.

- A. Vehicle shall be equipped with one (1) fully automatic wheelchair lift Braun Ability Lift, or approved equal, latest model that meets ADA Regulations, mounted on the rear interior of the vehicle. Heavy duty suspension is required. The wheelchair door shall be located in the rear of the vehicle. The wheelchair door shall be the chassis OEM doorway at least 64" (minimum) in height. Lift door shall be equipped with a safety device to hold door securely in full open position when lift is in operation. Lift door shall be equipped with a locking door handle using the chassis OEM lock and key.
- B. The lift shall have a self-cleaning, see-through, non-skid platform which can be folded and unfolded by one person. The controls shall be placed adjacent to the lift in such a position to enable the attendant or the disabled person, once the person is on the platform, to operate the lift. In the fully lowered position the platform shall measure at least thirty-three (33) inches wide and have an effective length of at least forty-eight (48) inches. A safety barrier shall be the full length of the curb side edge of the platform and shall be a moveable hinged surface to provide a barrier to prevent the wheelchair from rolling off the lift during operation. A two (2) inch high barrier shall also be provided on each side of the platform to prevent wheelchairs from rolling over the edge. Two (2) automatic fold handrails shall be provided one on each side of the platform.
- C. Power unit shall be twelve (12) volt electro-hydraulic operated. Power unit shall be readily accessible for service. A manual hand crank shall be installed for lift operation in the event of power failure.
- D. Lift shall be capable of being used from curb level or ground. The lift should be capable of safely lifting a minimum static load of eight hundred (800) pounds. The lift platform should be capable of being raised or lowered with a load in no more than twelve (12) seconds. All power units, operating joints, linkage, and mounting points to the body shall be certified by the manufacturer as being adequate for the loading. The operation of the unit shall provide a smooth, jerk-free ride in both up and down directions.

- E. Systems control valve shall be solenoid controlled and shall be externally mounted for easy maintenance.

- F. All sliding surfaces and load bearing pivot points shall be free of exposed grease and constructed with ball and roller bearings. All electrical and hydraulic lines and units, all control mechanisms and cables shall be securely fastened and placed so as not to interfere with passenger ingress and egress, or with any moving parts. All moving parts shall be shielded from contact with passengers and operator.

- G. Platform shall fold into door area for storing while not in use. Platform in stored position shall not intrude into vehicle body more than 14 inches. Lift shall be adequately restrained in stored position to prevent lift from coming adrift while vehicle is in motion. The lift in its stored position shall not rattle.

- H. Lift control switch shall be completely weather proof and labeled as to function.

- I. It is the vendor's responsibility to provide instructions on the use of securement system to meet the specified performance standards, and on the safe operation, maintenance and service of the lift, as well as warranty information. **An instructional video explaining the lift operations and lift maintenance shall be provided with each vehicle.**

- J. Lift controls shall be interlocked with the vehicle brakes and transmission and door, or other approved means, to ensure that the vehicle cannot be moved when the lift is not stowed and so the lift cannot be deployed unless the interlock mechanism(s) are engaged. The lift must not be able to be deployed without engaging the interlock system and the interlock must prevent the vehicle from being moved until the lift is stowed. Any interlock which can be disengaged prior to lift stowage will cause the vehicle not to be accepted.

- K. Wheelchair lift Warranty of Five (5) year parts and three (3) year labor

MANUALS:

The vendor shall furnish each vehicle with complete driver, parts and maintenance manuals, including wiring schematics of auxiliary circuits, airline diagrams and all other necessary prints for the maintenance of the wheelchair lift, auxiliary air conditioning unit and any other optional items added by the vendor during conversion

WARRANTY:

Vehicles shall be in compliance with all state and federal safety laws and is state safety inspected at the time of delivery. The warranty for the basic vehicle shall be the manufacturer's standard warranty of 3-year/36,000 miles. A Power Train Warranty of 5-year/60,000 miles and Roadside Assistance 5-year/60,000 miles shall be provided. The warranty for the conversion and modification of the vehicle shall provide that, at a minimum, all repairs and replacements needed due to factory defects shall be furnished and installed promptly without charge by authorized service representatives for three (3) years or 36,000 miles after final delivery of the vehicle, with an option to purchase an extended warranty.

INSPECTIONS:

A representative of the Rural Transit Enterprises Coordinated, Inc., d/b/a RTEC reserves the right to inspect any vehicle produced by any manufacturer and intended for delivery under this contract. Any deficiencies identified must be rectified prior to acceptance of the vehicle.

Use a separate sheet for each bus type/size.

Type/Style: 8+ 1 Transit Wagon

All Items Need Pricing to be Included in Bid

ITEM#:	Base Bid Price Options	Price
1	Pair of wheel chocks	_____
2	Powered driver seat	_____
3	Upgrade wheelchair lift	_____
4	Slide and Click tie downs	_____
5	Clearance signage for driver's view	_____
6	Add strobe light	_____
7	Vinyl graphics specified by purchaser.	_____
8	Exterior paint color excluding white	_____
9	One Oxygen tank holder that mounts on L Track	_____
10	Minimum 5"-7" In Dash Back Up Camera	_____
11	Wheelchair lift transit wagon with high roof and dual rear wheels	_____
12	4X4 Drive Train	_____
13	Convert 2nd Row Factory Seats to Flip Seats	_____
14	37" Wide Wheelchair Lift	_____
15	Flooring for Adjustable Seating Configurations	_____
16	OEM Passenger Seats	_____
17	Fender Mounted Key Storage Tube	_____
18	4 Camera Surveillance System	_____
19	8 Camera Surveillance Camera System	_____
20	Idle Lock Anti-Theft Device	_____
21	Sleeping Child Check	_____
22	Rear Mount LED Strobe Lights engage when braking	_____
23	L-Track the Length of bus	_____