



Ocean County Board of Commissioners

OFFICE OF THE
OCEAN COUNTY COMMISSIONERS

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Commissioner Barbara Jo Crea
Commissioner Virginia E. Haines
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Board Meeting Agenda

Date: January 18, 2023 - 4:00 PM
Location: Administration Building
Room 119
101 Hooper Avenue
Toms River, NJ 08754

Agenda: Awarding a Contract for the furnishing and delivery of MOTOR VEHICLES: SUPPLEMENTARY MINI-BUSES to Rohrer Enterprises, Inc., the lowest qualified bidder. (B2023-08)

Official Resolution#	2023000040						
Meeting Date	01/18/2023						
Introduced Date	01/18/2023						
Adopted Date	01/18/2023						
Agenda Item	n-6						
CAF #							
Purchase Req. #	B2023-08						
Result	Adopted						
COUNTY COMMISSIONER	PRES.	ABS.	MOVE	SEC	AYE	NAY	ABST.
Joseph H.	✓				✓		
Gary	✓				✓		
Barbara Jo	✓				✓		
Virginia E.	✓			✓	✓		
John P.	✓		✓		✓		

I HEREBY CERTIFY THAT THIS DOCUMENT IS A TRUE, COMPLETE AND ACCURATE COPY OF THIS RESOLUTION, ADOPTED BY OCEAN COUNTY BOARD OF COMMISSIONERS, NJ AT THE MEETING REFERENCED THEREON

Michelle I. Gunther

Clerk Of The Board

CONTRACT NO. MUST BE ON ALL
PAPERS, DOCUMENTS, INVOICES, VOUCHERS
NO. B2023-08

RESOLUTION

January 18, 2023

WHEREAS, on December 13, 2022, pursuant to legal advertisements therefor, sealed bids were received for the furnishing and delivery of MOTOR VEHICLES: SUPPLEMENTARY MINI-BUSES for the County of Ocean; and

WHEREAS, at the advertised time, responses were received from the following bidders:

<u>Name and Address of Bidder</u>	<u>Name and Address of Bidder</u>
Rohrer Enterprises, Inc. 314 Dickinson Street Trenton, NJ 08638 (732) 261-6643	Creative Bus Sales, Inc. 51 Kero Road Carlstadt, NJ 07072 (888) 633-8380

; and

WHEREAS, after the receipt and examination of same, the County Purchasing Agent has now recommended to this Board that the lowest qualified bid, according to specifications, namely that of, ROHRER ENTERPRISES, INC.

NOW, THEREFORE, BE IT RESOLVED by the BOARD OF COMMISSIONERS of the COUNTY OF OCEAN, STATE OF NEW JERSEY, as follows:

1. The Director and Clerk of this Board are hereby authorized and directed to enter into a contract accepting the bid for the furnishing and delivery of Motor Vehicles: Supplementary Mini-Buses for the County of Ocean, for the contract period from date of award through January 17, 2024, a period of one (1) year or until delivery is complete unless otherwise stated. The County reserves the right to extend the term of the contract pursuant to N.J.S.A. 40A:11-15, as follows:

ROHRER ENTERPRISES, INC. for four (4) items, to wit:

ITEMS NO. 1, 1A, 1B and 1C.

For a total of all lines (Item #'s 1 - 1C) of \$713,820.00.

This vendor has extended this contract to County Cooperative Contract System Participants.

2. Payments for the equipment to be acquired by this contract shall be made upon the approval of vouchers submitted by the successful bidders in accordance with the requirements of the Board of Commissioners and subject to the Board of Commissioners customary procedures. Delivery shall be made upon receipt of a Purchase Order issued by the Ocean County Department of Purchase, upon which delivery locations and needed quantities shall be indicated.

3. Funds for the equipment shall be available within the following funding Sources: Vehicle Services Department O.E.

4. The contract number must be placed on all papers, documents, invoices and vouchers pertaining to said contract, the number being B2023-08.

5. Be it further resolved that certified copies of this Resolution shall be made available to the County Auditor, County Department of Purchasing, Department of Finance, Vehicle Services and Rohrer Enterprises, Inc., the successful bidder.

Confirmed

PRICE TABLES

ITEM #1 - MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total Cost	Comments:
✓ 1	ITEM #1 - MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL	6	EA	\$106,540.00	\$639,240.00	
OPTIONS						
✓ 1A	Diagnostic Tools / Test Equipment	3	SET	\$5,800.00	\$17,400.00	
✓ 1B	Technical Support	180	HR	\$135.00	\$24,300.00	
✓ 1C	Ford Protect ExtraCare	6	EA	\$5,480.00	\$32,880.00	
TOTAL					\$713,820.00	

COMPLIANCE PAGES FOR MOTOR VEHICLES – SUPPLEMENTARY MINI BUSES

**ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS
MINI-BUS, AS SPECIFIED, OR EQUAL**

Year, Manufacturer, Model: 2023 Ford E-450 Eldorado Advantage

Engine: 7.3 liter V8 premium model gasoline engine

Transmission: Ford 6-speed

Delivery, A.R.O.: 90-days for base order up to 6 buses, future orders up to 1 year may take up to 180 days

Warranty: As specified in bid.

COMPLIANCE PAGES FOR MOTOR VEHICLES – SUPPLEMENTARY MINI BUSES

**ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS
MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)**

COMPLIANCE
YES **NO**

GENERAL:

These specifications define requirements for bus that shall have a minimum expected life of seven (7) years or 200,000 miles and are intended for the widest possible spectrum of passengers, including children, adults, the elderly and people with disabilities.

This bus shall be a 2023 model year or newer Ford E-450 cutaway chassis with shuttle bus body built on the chassis by a single bus manufacturer. Passenger capacity of this vehicle in addition to the driver shall include 12 ambulatory passengers plus 2 wheelchair locations.

The bus shall comply with all applicable federal and state regulations. These shall include but not be limited to ADA, as well as state safety requirements.

Bus shall meet all applicable FMVSS regulations in effect at the date of manufacture. Bus must be Altoona tested for the 7-years/200,000 miles category.

CHASSIS SPECIFICATIONS:

The Ford E450 Shuttle Bus chassis with a GVWR of 14,500 pounds must include the following:

a. 5,000 pound maximum front GAWR Twin I-Beam IFS; 9,600 pound maximum Dana Full Floating Rear Axle

b. Engine shall be a 7.3L V-8 gas with 350 HP @ 4250 RPM/420lb-ft. torque @ 3250 RPM

c. 6-speed automatic transmission

d. Brake system to be power, self-adjusting, four wheel disc with four wheel anti-lock

e. Single fuel tank with maximum capacity of 55-gallons, located aft-rear axle. The vehicle fuel tank must be installed by the chassis manufacturer; fully compliant with California Air Resources Board (CARB) standards and must not be modified in any way. Fuel cap shall be tethered to the body of the vehicle.

f. Chassis must be 158" wheelbase

g. Exhaust system to be aluminized exhaust pipes and muffler properly installed with heat shield and baffles. Exhaust tail pipe shall exit to the street-side of the bus behind the rear wheels.

h. 240-amp OEM alternator

i. Dual batteries rated at 650 CCA minimum each. One battery located under the hood and second equal battery located in tray on curbside chassis rail and accessible from underneath.

j. (6) LT225/75Rx16E tires with 16.0x6, white steel wheels.

k. An black extruded aluminum running board on the drivers side shall be included.

**ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS
MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)**

COMPLIANCE
YES **NO**

GENERAL REQUIREMENTS AND DIMENSIONS:

- a. Overall Exterior Length: 278” Minimum
- b. Exterior Width: 96” Minimum
- c. Exterior Height: 120” Maximum
- d. Interior Height at aisle: 78” Minimum
- e. Interior Width at seat level: 93” Minimum
- f. Ground to first step: 11” Maximum
- g. Step Riser Height: 9.5” Maximum
- h. Step Tread Depth: 9” Minimum
- i. Seat Spacing street side:35” Minimum
- j. Seat Spacing curb side: 32” Minimum
- k. Aisle Width: 16” Minimum

MANUFACTURER CERTIFICATIONS:

The body manufacturer must be an ISO 9001:2008 certified company and have a Fully Meets rating in the Ford Quality Vehicle Manufacturer Program.

BODY STRUCTURE:

Manufactured from all steel products, the floor, roof, side walls, rear wall, driver halo assembly and entry door assembly shall be all wire welded (MIG) together to form an integral steel frame that is thoroughly coated in a primer paint shop, then mounted with specified hardware to the OEM rubber body mount points (pucks) supplied by the chassis manufacturer. Once joined to the chassis, the bus finishing process shall begin.

A. Floor frame construction and assembly -

Cross Members -- The floor cross members form the base structural support for the rest of the frame components. Our cross members are constructed of 14-gauge steel, formed to a capital “C” shape. Cross members over the fuel tank are made to provide the clearance needed to conform with FMVSS301, and include formed internal reinforcements welded in place for additional strength. All additional longitudinal and latitudinal structure is flush welded in place to form a one-piece floor upon completion.

Steel “Hat Posts” – 1”x1”x4”x1”x1” shall run the length of the floor between cross members and are welded into place. This extremely strong form is used to weld our HSLA steel seat track in place.

Steel C Channel – 1”x1.5” C channel shall be welded in between cross members the full length of the floor in 5 places. Coupled with the Hat Posts this provides a one-piece strong “ladder” type frame for the flooring.

COMPLIANCE PAGES FOR MOTOR VEHICLES – SUPPLEMENTARY MINI BUSES

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

A. Floor frame construction and assembly - (CONT'D)

Seat Track – 12-gauge roll formed high strength/low alloy steel shall be wire welded in place for seat mounting down each side of the bus, with lengths predicated on the floor plan chosen. This is yet another stiffener in the extensive construction process.

Wheel Wells -- Constructed of 14-gauge steel, wheel wells shall also be welded in during the floor construction process. All seams in the wheel well shall be welded to create a one-piece water resistant wheel housing structure. The wheel wells shall also provide additional strength to the body assembly, when welded in place.

Structural steel Angle – 1/8” thick 1.5” x 2.5” structural steel angle shall be used the full perimeter length of each floor assembly, welded to the ends of all floor cross members. This provides not only a flat plane for joining the sidewall assembly, but also ties all cross members together and provides additional side impact resistance.

Additional structure – When adding vertical stanchions, wheel chair lifts and/or tie down options, additional structure shall be welded into the floor at locations required.

B. Sidewall Construction –

Sidewall vertical member – The heart of the sidewall shall be the vertical structure, a roll formed 18-gauge steel capital “C” channel with 8 bends that create extreme strength and rigidity. The vertical member shall be installed in full lengths between windows and in shorter sections above and below window frame centerlines. Additional vertical structure is used at both ends of the sidewall enabling the structure to withstand the forces applied by the vehicle when in motion. Using the open C member also enables a thorough primer application.

Steel Tubing – 1”x1” 16-gauge steel tubing shall be welded in horizontally between vertical members to frame in all window openings and 1”x3” 16 gauge steel tubing shall be welded in to frame all upper window openings. This adds front to rear reinforcement as well. The 3” wide steel tube shall supply a structural mounting surface for shoulder belt attachment which has been pull tested to federal standards.

Seat Track – High strength low alloy roll formed steel track shall be welded to each vertical sidewall member down each sidewall below the window frame. While serving as a seat attaching device, it shall add excellent structure to the sidewall and also add excellent side impact resistance.

Wheelchair Options – Additional sidewall tube structure shall be added to form the perimeter frame for mounting of the wheelchair door assembly.

Full length steel tubing – 1”x1” 16-gauge steel tubing shall be MIG welded to the sidewall bottom and top at each vertical member for attaching to the floor and roof sections, respectively.

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

C. Rear Wall Construction –

Rear wall vertical member – The vertical sidewall capital “C” channel with 8 bends shall also be used in the rear wall assembly. Full length structure shall be used at varying places, with the inclusion of the rear door. Shorter cut pieces are used above the door.

Steel Tubing – 1”x1” 16-gauge steel tubing shall be welded horizontally between vertical members to provide an upper door frame in the rear wall assembly.

Full length steel tubing – 1”x1” 16-gauge steel tubing shall stitch welded to the rear wall top and bottom as in the sidewall assembly.

D. Roof Construction –

Roof Bows – Radius formed one-piece 16-gauge steel roof bows formed as a modified hat post design shall be placed on 16” centers for exceptional strength, eliminating the need for rollbars. They are then capped with top flat pieces from flange to flange to provide abundant surface area for securing the exterior roof material. Each bow shall be welded to the 1” tubing referenced below.

Steel Tubing – 1”x1” 16-gauge steel tubing shall be welded to the full perimeter of the roof for mating to the sidewall and rear wall, with short vertical pieces providing support on the front and rear ends. The 3” wide steel tube supplies a structural mounting surface for shoulder belt attachment and shall be pull tested to federal standards.

Steel Plate 3” wide shall be welded full length longitudinally on each side of the roof to provide further strength and stability to the roof structure.

Steel Plate of varying dimensions shall be welded into the roof structure between bows to provide mount points for items such as stanchions for secure mounting whenever the items are not place directly below a roof bow.

E. Driver Compartment Overhead Halo –

Steel Tubing – 1”x1” 16-gauge steel tubing is cut and jig welded into an integrated one-piece structure spanning from the front roof bow of the body to the newly cut roof line of the cab. Also created during the structure manufacture is the housing for mounting the electronic circuit board.

11 Gauge steel – shall be formed to make brackets used to mount to the chassis roof.

F. False Floor (Cab to body transition) –

Steel Tubing – 2” x2” (taller when needed) 16-gauge steel tubing shall be welded together forming a flat body floor transition from the step area back to the actual body area. An overhang on the curbside provides a secure attach point frontally for the entry door frame added later.

Structural steel angle – 11 gauge 1.5”x1.5” structural angle shall be added in short lengths five places to provide attachment points to the chassis floor.

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

G. Interior Vertical Transition Frames –

Steel Tubing – 1”x1” 16 gauge steel tubing shall be used vertically and a ladder type assembly shall be made welding the 1x 1 tube to .75”x.75” 11 gauge steel tube that is used horizontally in the assemblies. These pieces transition from the body fronts on each side to the driver halo side assembly and the entry door frame assembly on the curbside.

H. Entry Door & Step Assembly Frame –

Steel Tubing – 1”x1” 16 gauge and .75”x.75” 11 gauge horizontal steel tube shall be cut to length and welded together in a ladder type construction forming a rigid frame for attaching the entry door/step assembly.

I. Steel Entry Door/Step Assembly –

11 gauge steel – The step riser/tread piece shall be manufactured from one-piece 11-gauge galvanized steel and use 90° bends at all risers and treads. The bottom tread also adds an additional 90° bend for additional strength and safety. Upper and lower side pieces are then welded to the vertical tubing and step riser/tread.

J. Application of Exterior Painted Aluminum Sidewalls

Mill painted aluminum exterior sidewall panels are installed using a combination of very high bond tape with an acrylic adhesive and Manus Bond 75-UHVFC solvent and isocyanate-free structural adhesive. The side vertical wall bows have two flanges facing the exterior. Tape is applied to one vertical flange for fast adhesion while Manus 75-UHVFC structural adhesive is applied to the other vertical flange. The metal is put in place then pressure is applied by rollers to secure the metal to the tape and ensure good contact with the bead of structural adhesive.

FRP and composite sidewalls and skirts will NOT be acceptable.

As normal practice dictates, metal is overlapped moving up the sidewall for water shedding. The metal is then held in place initially by the VHB tape, then subsequently by window ring flanges and belt line molding that is secured with stainless steel fasteners. The structural adhesive “greens” (initial grab strength) within two hours, depending on temperature and humidity conditions, then moves to a full cure within a few days.

EXTERIOR LIGHTING:

LED thin-line rectangular front/rear clearance & marker lamps (5 front amber, 7 rear red), LED red stop/tail and turn signal/running lamps, LED back up lamps, LED license plate lamp. Two of the seven thin-line red lights are surface mounted on the rear skirt. The other five are installed in the rear cap recessed. An ada compliant surface mounted exterior entry door light shall be included.

A rectangular LED third brake light shall be installed on the upper rear cap of the bus.

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

EXTERIOR MIRRORS:

Rosco accustyle exterior breakaway mirrors shall be included. Overall head size is approximately 7" x 14" with a flat lens 7"w x 10"h and convex lens 7"w x 4"h (both approximate).

EXTERIOR FRONT CAP AND BODY WINGS:

Fiberglass front cap with recessed mounting for thin-line amber rectangular LED marker/clearance lamps. Front fiberglass curbside wing with large 361 sq. In. Viewing window tinted as-2 per fmvs regulations. Front streetside fiberglass wing mating to chassis "b" pillar.

EXTERIOR REAR ONE-PIECE CAP AND EMERGENCY DOOR:

One-piece fiberglass rear cap with anti-ride feature, recessed mounting for 4" round LED grommet mount stop/tail/turn and back up lamps. Recessed mounting for 5 each thin-line red surface mount LED marker/clearance lamps.

Rear cap shall incorporate rear emergency door centered in rear wall of the bus with two windows in the rear emergency door.

EXTERIOR ROOF:

5.2mm thick luan is to be secured by fasteners to each roof bow, then a one-piece .040" thick FRP roof is bonded with adhesive to the luan. Extra reinforcement at the roof radius shall be provided by a .050" thick blackboard.

EXTERIOR SIDEWALL AND SKIRT METAL:

Pre-painted aluminum (.060" thick) upper sidewall metal (from roof frp to floor molding) and .040" thick pre-painted aluminum skirts formed with a 4" radius on the bottom are to be used. Upper sidewall is installed using a structural adhesive to the steel frame and is isolated from the frame to prevent galvanic corrosion. Mating upper & lower panels are trimmed using a two-piece aluminum trim held in place with stainless screws.

EXTERIOR BUMPERS:

Front bumper to be OEM Ford bumper with chrome finish.

Rear bumper to be a heavy die-formed steel bumper with top and bottom reinforcing ribs and black powder coat paint is installed using 316 stainless steel bolts.

DRIVER OVERHEAD AREA:

Grey padded vinyl to cover driver overhead panel, electrical cover panel & access door, entry door and "b" pillar. Panels shall be securely attached to frame components using fasteners.

CEILING AND REAR WALL:

5.2mm thick luan shall be attached to structure with fasteners, seaspray fabric shall be installed with an adhesive to the luan.

COMPLIANCE PAGES FOR MOTOR VEHICLES – SUPPLEMENTARY MINI BUSES

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES NO

UPPER INTERIOR SIDEWALL:

Vandal resistant FRP laminated to luan shall be installed above the seat track to the transition panel, mating panels are trimmed using a vinyl "t" lock with smooth edges.

SIDEWALL/CEILING TRANSITION PANELS:

Attractive convex radius die formed aluminum transition panels shall be covered with sea spray fabric as the ceiling and rear wall. The panels shall be held in place by an extruded aluminum "j" rail that is anodized with an attractive, glare-free satin finish. Panels to stay in place but can be removed without tools for any service work needed. Panel ends shall be neatly trimmed out with grey thermoformed plastic.

INTERIOR LIGHTING:

LED passenger dome lamps (minimum quantity of 5), LED driver overhead dome lamp, LED entry step lamps, LED entry overhead lamp, LED wheelchair lift overhead lamp.

PLYWOOD SUBFLOOR DECKING:

5/8" thick plywood is to be installed over the floor steel structure after the application of a structural adhesive on all floor structure parts. The plywood shall be held in place until the adhesive cures by countersunk self drilling #14 screws.

INTERIOR AND STEP FLOORING:

Gerflor sirius nt 2.25mm thick graphite (black) upgrade, pvc flooring shall be installed using a high temperature, plasticizer resistant adhesive, then rolled with a heavy weight to remove any air bubbles. All seams are heat welded to form a virtual one-piece passenger area covering and sidewall mating edges are fully caulked.

Floor shall include white step nosing in the stepwell.

ENTRY GRABRAILS AND STANCHION PANELS:

A vertical stainless steel grab rail is installed on the lower left hand side of the entry steps. A modesty panel/stanchion assembly is installed at the top of the entry steps on the left hand side of the entry way and a stainless steel grab rail is installed from the entry way wall to the vertical stanchion at the end of the entry steps. A grey padded vinyl modesty panel is to be included.

A driver stanchion, cross bar, and gray padded modesty panel shall also be included behind the driver seat.

A right hand and left hand entry grab rail shall be installed parallel to the entry steps so passengers have two parallel grab handles to board and exit the bus.

An overhead grabrail on the street side of the aisle shall be installed to the ceiling and run the length of the passenger compartment to assist passengers while moving through

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

PASSENGER WINDOWS:

36" tall x 36" wide upper T-slide windows tinted to fmvss compliant as-3 using 3mm thick glazing that provides 23% visible light transmittance, mounted in an aluminum extruded frame that is black powder coated. 36" high x 24" wide windows may be necessary as "fillers" to maximize window viewing space. Fmvss 217 compliant side egress windows are supplied.

PASSENGER ENTRY DOOR:

36" wide rough opening welded entry assembly. A&M manufacturing produced entry door leaves and A&M electric door header mechanism. Full height 1/8" thick tempered safety glass in each door leaf is fmvss compliant as-2 tinted. Leaf frames are interlocked aluminum extrusions with tough, clear coat anodized 204 r1 rated finish for corrosion protection and integrated, overlapping flexible seals (approximately 2.5").

CORROSION RESISTANT:

Prior to shipment, the vehicle shall be undercoated with Z-Tech 9902 STAR.

ELECTRICAL BODY POWER DISTRIBUTION CENTER:

The body builder power distribution center must use connector plug in type or equivalent for easy removal or testing. It must be made of a heavy-duty type printed circuit card with all base components located on the front of the card including all interior light relays, master relay, master breaker and fuses. LED lights shall be included for troubleshooting. Red LED indicates a circuit breaker has blown and a green LED indicates the relay is good and a yellow LED to indicate a signal wire is active. All grounds must use a connector plug in type at the electrical center for common grounding location and can only use single wire termination for each ground wire by the use of a standard blade type fuse to commonize parts. These options will be marked as Jumpers and shall be considered low current. The card shall contain a single common buzzer utilizing these jumpers.

A complete body manufacturers Electrical Schematic of the bus body shall be included at delivery for future electrical troubleshooting.

ELECTRICAL BODY WIRE HARNESS:

General-purpose wiring shall be cross-linked polyolefin insulated and shall meet SAE standards J1127 & J1128 types SGX and GXL. Wires shall be stamped every 6" and stamping shall be opposite color of wire to allow easy reading (dark wire uses white ink, light wires use dark ink). Multiple colors are required for different circuits and can be done through solid colors or colors with stripes. One color harnesses are not allowed. All harnesses shall contain a protective barrier through the use of loom, grommets, wire ties and insulated clamps. Routing shall be used as to best protect the harness. Protective covering shall be rated for the area of routing. Temperature, liquids and chafing shall be considered. All connectors shall be plug in type and keyed connectors with locks meeting SAE automotive standards. Dielectric grease shall be used on all exterior connections. All primary harness connectors shall be

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

ELECTRICAL BODY WIRE HARNESS: (CONT'D)

color coded for ease of removal and assembly. The harness shall include all options available on the primary power distribution center and the use of add on modules. This allows multiple spare circuits. The harness shall be split into sections for easy replacement with one single harness for the rear, body and front of the vehicle. All connectors must be accessible.

The complete electrical system shall be installed, certified, tested and warranted by the system manufacturer.

ELECTRICAL – INTERIOR:

A switch panel shall be installed within drivers reach containing all of the component switches that the driver is expected to operate (ie. Entry door, passenger air conditioning, passenger heater, dome lights, etc.)

AM/FM Radio including (4) passenger compartment speakers installed. Radio shall be PA ready.

SEATING:

Driver seat to be Freedman Shield seat finished with a Level 1 Freedman vinyl cover.

Passenger seats shall be Freedman mid-high rigid type. There shall be three (3) double fixed seats provided behind the entry door on the curbside of the bus and three (3) double fixed seats provided behind the driver on the street-side of the bus.

Passenger seat fabric shall include twelve (12) Level 1 Freedman vinyl seat covers.

Passenger seats shall include non-retractable seatbelts for each twelve (12) passenger seats.

Freedman Padded top mount grab handles shall be included on each fixed aisle seat, six (6).

Freedman US Arm black rubber coated flip-up armrests shall be included on each six (6) aisle seats.

SAFETY / MISCELLANEOUS:

Drivers Interior mirror 6"x16" shall be positioned for driver to see passenger cabin from seated position.

A (5) five pound minimum fire extinguisher, three (3) triangle road reflectors and a 16 unit first aid kit shall be provided. The fire extinguisher, triangles and first aid kit shall be securely mounted in passenger compartment at seat level or lower.

Backup alarm shall be installed for traffic around the bus to know the vehicle is in

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

SAFETY / MISCELLANEOUS: (CONT'D)

Red Egress light above the entry door.

Six sets of keys, (ignition and door locks) to be supplied at delivery.

Three seat belt cutters for use in emergencies. Cutter shall be designed to prevent injuries during use and be secured in a safe location, one in the driver's area and one located in the lift area. Specific locations to be determined after bid award.

BACK UP CAMERA SYSTEM:

A Rosco STSK 4750B backup camera system shall be installed and include a high mounted camera on the backwall of the bus which is wired to the windshield mounted rear view mirror with 7" embedded monitor.

HEATING / AIR CONDITIONING:

OEM Ford heating and air conditioning will be provided in the dash for driver comfort and operation.

A rear wall heater with a minimum rating of 65k btu's shall be provided on the rear wall behind the lift. The heater will have a 3-setting switch located within the drivers reach to operate this heater.

A Trans Air TA 733 Super 70k rear air conditioning system with a minimum rating of 70k btu's with evaporator mounted at the rear of the bus. This system shall include TA73 rear evaporator, SMC3L condenser, and 10 C.I.D. compressor.

WHEELCHAIR LIFT:

A Braun Century NCL917-2 with a lifting capacity of 800 lbs. shall be provided that fully meets or exceeds ADA requirements.

Platform width will be thirty-three (33") inches minimum and length to be fifty-one (51") inch minimum. It is recommended that the vendor submit product description, warranty information, and product literature with bid, but must submit this information within 48 hours of request. Lift must comply with new and/or current Federal Regulations.

The lift shall be installed by bolting through the floor into structural steel that is an integral part of the body underfloor structure.

The power unit shall be placed at the forward side of the lift for rear mounted lifts and be readily accessible for service. In the event of power failure, the deployed lift platform shall be able to lower manually with passengers and raised without passengers.

System control valve shall be solenoid controlled and shall be accessibly mounted for easy maintenance. All lift components shall either be inside the vehicle or enclosed

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

WHEELCHAIR LIFT: (CONT'D)

Electrical control switches shall be completely weather proof and labeled as to function. All switches shall be of the momentary type.

The lift installation shall provide a hand-held switch for remote operation of the lift in addition to or in place of the regular door-mounted electrical lift controls. The lift control cable shall have a protective steel wire cover from control to base of lift, if available.

The lift shall have two LED lights mounted on it to light the exterior area around the platform.

Priority seating signs and wheelchair location signs shall be posted within the bus including exterior international wheelchair decal on rear of bus.

WHEELCHAIR SECUREMENTS:

Two (2) sets of wheelchair tie-down securements shall be included and each should consist of (4) Q'Straint Q-8101 Deluxe floor retractors with L-track fittings, Retractable shoulder belts mounted in the side and rear walls of the bus, and adjustable lap belts for each wheelchair position. Two full length L-tracks across the bus floor at approximately 60" each.

Two (2) black vinyl Q'Straint storage bags shall be installed on the rear wall for storage of the belts and miscellaneous items.

A seatbelt web cutter device shall be included.

WHEELCHAIR LIFT DOOR:

The wheelchair lift door shall be located on the curbside, behind the rear axle. Door shall be 2 leaf-style doors and shall meet ADA-requirements pertaining to the door height.

The wheelchair lift doors shall have a window. The glass shall be made of tempered AS3 glazing with a 30% light transmittance tint.

All doors shall be weather-sealed with bulb-type seal trim made of EPDM rubber. The door hinges shall be of heavy-duty type and their openings shall be accessible for easy adjustment.

A pair of exterior mounted t-latches are supplied to secure the wheelchair doors, no gas struts are included.

A lamp shall be mounted on the interior roof panel directly over the lift entrance.

COMPLIANCE PAGES FOR MOTOR VEHICLES – SUPPLEMENTARY MINI BUSES

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

INTERLOCK:

An Intermotive Gateway 508 Interlock system shall be provided which renders the lift inoperative unless the transmission shift lever is in the "Park" position and the emergency brake is applied.

A fast-idle system shall also be included to activate when the lift circuit is activated.

PAINT / DECALS / SIGNAGE / LETTERING / GRAPHICS:

The entire body including the roof and chassis cab shall be painted or panels shall all be pre-finished in the chassis OEM white color.

Exterior lettering to be completed prior to time of delivery. Vinyl Lettering will be applied on both sides of vehicle and front and rear endcaps per the County’s current bus design.

High performance vinyl providing a guaranteed seven year life or equal shall be used.

All exterior graphics, final lettering and decal positions must be decided and approved by the County during pre-production meeting and are subject to change.

All lettering shall be ADA compliant.

Wheelchair exterior 6”x6” minimum decals shall be provided on the rear of the bus.

Emergency exits shall be lettered in accordance with State and Federal regulations. This requirement includes windows and doors.

Exterior height of vehicle, including emergency hatch if applicable, shall be posted in clear view of the seated driver.

A high quality premium vinyl shall be used to stripe and letter each bus. The buses shall be striped exactly like the present Ocean County graphic scheme Including contra-vision and double shading.

The words “Unleaded Fuel Only” shall be installed on or above the fuel port door and above the fuel gauge.

Emergency exits and ADA signage shall be lettered in accordance with State and Federal regulations. Two (2) ADA handicap decals shall be supplied. One shall be placed on the side lift door and one on the rear door of the bus.

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

MOBILE RADIO PRE-WIRE:

For the purpose of installing two-way radios into new County vehicles and equipment, the following power and wiring components shall be included:

1. #12 AWG RED wire connected to 12 VDC Battery Source rated at 20 Amps.
2. #12 AWG BLACK wire connected to chassis ground.
3. #16 AWG YELLOW wire connected to 12 VDC Ignition Sense rated at 5 Amps.

These wires shall be encased in plastic wire loom and routed from their source into the cab of the vehicle and secured in the vicinity of the operator. The wiring harness shall be clearly labeled "TWO-WAY RADIO". The wires shall be unterminated. The 12 VDC sources shall be protected from making contact with grounded metal surfaces.

DELIVERY:

The vehicle shall be delivered complete within 90 days of the date the Purchase Order is issued. Up to three (3) representatives of Ocean County may conduct initial specification inspection and review at manufacturer's location prior to shipment.

Vehicles shall be delivered with no less than ½ (one-half) of a tank of fuel.

LICENSE AND REGISTRATION:

Vehicle shall have Special Paratransit License Plates "OP" installed and vehicle registration to the County of Ocean at time of delivery. All necessary NJMVC safety inspections shall have been completed prior to delivery of bus to the County.

QUALITY ASSURANCE:

The Contractor's Quality Management System shall be registered as compliant with ISO 9001:2008.

COMPLIANCE PAGES FOR MOTOR VEHICLES – SUPPLEMENTARY MINI BUSES

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

SERVICE FACILITY:

The bidder shall have a service facility within a distance of 75 miles from the County’s garage and have a service and parts delivery program to be utilized for minor repairs or service during the warranty period.

Bidder shall be able to handle all body, chassis and component warranty.

The bidder is required to indicate below the closest authorized body and body component warranty repair facility to our location. If a facility’s name and address is different than the bidder’s, a letter from the owner of that facility dated within three weeks of the bid opening and must accompany the bid indicating it is authorized by the body manufacturer, all bus component manufacturers and the bidder to perform warranty work on the bus bid. The facility must be within 75 miles of the County Garage.

Stouts Transportation
870 Bangert Blvd.
Toms River, NJ 08757

Have you attached required authorization letters to your bid? Yes No N/A

SERVICE TRAINING:

The successful bidder shall be available for training on or about the day of delivery in order to instruct County personnel on the proper operation and maintenance of the vehicle, in addition an authorized technician from lift manufacturing company shall supply one day training for maintenance and supervisory personnel.

The successful bidder shall provide training for the Interlock System.

MANUALS:

- **Wiring:** An “AS BUILT” wiring manual shall be supplied with each bus delivered.
- **Operations:** A body manufacturer’s operations manual shall be supplied with each Purchase Order.
- **Components:** Air conditioner, wheelchair lift, wheelchair tie down, and other component service and operation manuals shall be supplied at delivery. One owner’s manual per bus, one parts book, repair manual, and an as-wired electrical diagram manual shall be supplied at delivery.

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

WARRANTY:

Bidders are to include copies of the warranty coverage provided. If manufacturers’ standard warranty exceeds that which is described below, it shall be supplied with vehicle.

A. BODY

- Comprehensive: 3 year / 36,000 miles
- Structural: 5 year / 100,000 miles

B. CHASSIS

- Bumper to Bumper: 3 year / 36,000 miles
- Engine: 5 year / 60,000 miles

C. COMPONENTS

- Wheelchair Lift: 3 years warranty
- Rear Air Conditioning: 3 years / 36,000 miles

A set of air filters, oil filters and belts (“AS BUILT”) shall be delivered with each vehicle.

If aftermarket belts are used; the same belt shall be supplied upon delivery.

SUBMISSIONS REQUIRED:

Failure to include any requested documentation may result in the bid being deemed non-responsive.

A. FLOORPLAN: Bidder shall submit with the bid a detailed floorplan showing:

- Overall length
- Overall width
- Wheelbase
- Seat spacing on both sides of the bus

Wheelchair securement location

B. FMVSS Listing from manufacturer

C. WARRANTY COVERAGE proposed

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS:

1A. Diagnostic Tools / Test Equipment

- | | | |
|---|---|---|
| 1. Successful bidder may be required to supply between one (1) to three (3) complete sets of test/diagnostic/ programming equipment (i.e. laptop, software, cabling, and adapters) and special tools required to perform the full range of diagnostic and maintenance actions necessary to maintain vehicle operability. This equipment will cover the vehicle chassis, engine, transmission, brakes, hydraulics, and all additional equipment (if applicable). | ☒ | ☐ |
| 2. All laptop computers will be of the newest available technology and have sufficient storage and memory to operate all required software. | ☒ | ☐ |
| 3. Provide a list of all test/diagnostic/programming equipment and special tools being supplied at the time of bid. | ☒ | ☐ |
| 4. All software installations and activations will be completed by the successful bidder at no cost to the County. | ☒ | ☐ |
| 5. All software updates and renewal will be provided at no cost to the County for a period of five (5) years from the acceptance of the equipment. | ☒ | ☐ |
| 6. All technical issues relating to test/diagnostic/programming equipment and special tools shall be resolved by the successful bidder at no cost to the County for a period of five (5) years from the acceptance of the equipment. | ☒ | ☐ |
| 7. Training shall be provided on all items in this section at a County location. | ☒ | ☐ |

1B. Technical Support

Technical Support is to be provided by factory authorized technical representatives and is to be the original equipment Manufacturer’s industry standard technical presentation in a classroom setting. ☒ ☐

The support provided shall be at the journeyman/equipment technician level and should address limited theory, fault diagnosis and repair pertaining specifically to the equipment supplied under this specification. ☒ ☐

Technical support may be requested in the following areas:

- | | | |
|--|---|---|
| 1. Engine (cooling, fuel, ignition, lubrication systems) – 1 day at each location. | | |
| 2. Transmission – 1 day at each location | | |
| 3. Electrical – 1 day at each location | | |
| 4. Brakes – 1 day at each location | | |
| 5. Wheelchair lift system – 1 day at each location | | |
| 6. Hydraulic system (dump body, spreader, snow plow) – 1 day at each location | | |
| 7. Appfiter (dump body, sweeper, etc.) <small>introduced on January 18, 2023</small> – 1 day at each location | ☒ | ☐ |

ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)

COMPLIANCE
YES **NO**

OPTIONS:

1B. Technical Support (CONT'D)

A technical representative(s) shall be made available for a total of 180 training/support hours (anticipated to be scheduled in six (6) hour blocks). Shorter training days will be allowed only with consent of Vehicle Services. The total training hours will be required to be provided and no additional compensation will be considered. The actual time to be spent on each area will be by mutual agreement of the Vehicle Services Department and the successful bidder.

For the purposes of determining materials and other training costs, class size is anticipated to be comprised of six (6) to ten (10) Vehicle Services Department personnel. Actual class size will be determined by the Vehicle Services Department at the time the classes are scheduled.

Before the training is scheduled, Vehicle Services and the contractor will agree on the scope of the training, and the type and quantity of manuals, etc. that are necessary for proper coverage.

Technical Support for Vehicle Services may be provided at the following fleet maintenance facility location as scheduled by a Vehicle Services Department representative:

- a. Toms River, 152 Chestnut Street, Toms River, N.J. 08753 (Two (2) sessions will be provided at this location. One beginning at 7 am and another beginning at 1:30 pm)
- b. Manahawkin, 379 Haywood Road, Bldg. 109, Manahawkin, N.J. 08050
- c. Manchester, 2820 Ridgeway Boulevard, Bldg. 125, Manchester, N.J. 008759

Technical Support for other Departments will be held at a location within Ocean County. The requesting Department will notify the successful bidder of the location.

Training at the successful bidder's site, rather than the designated locations, will be by mutual consent only.

Technical support will be requested and scheduled on an as needed basis up to but not exceeding the 180 hours total during a period not to exceed twelve (12) months from the date of placing the last unit in service.

**✓ ITEM #1 – MODEL YEAR 2023 OR NEWER, (12) AMBULATORY + (2) WHEELCHAIR POSITIONS
MINI-BUS, AS SPECIFIED, OR EQUAL (CONT'D)**

COMPLIANCE
YES **NO**

OPTIONS: (CONT'D)

✓ 1C. Ford Protect ExtraCare

Ford Protect ExtraCare extended service plan covering 113 components.

8 years/125,000 miles with \$0.00 deductible.