

The Lebanon VA Medical Center, Lebanon, PA, Facilities Engineering Department has a requirement for 10 ea. low speed Electric Utility Maintenance Vehicles for use onboard the station.

STATEMENT OF NEED

LOW SPEED ELECTRIC UTILITY VEHICLES

- A. **GENERAL:** Engineering Service at the Lebanon VA Medical Center (LVAMC) has a requirement to purchase a total of 10 new electric vehicles. The electric vehicles will be utilized by staff of Engineering Service for duties that require transportation of tools, equipment, materials, supplies, and personnel to various locations. As specified below, the need is for the acquisition of four electric utility maintenance trucks, five electric 4-door passenger trucks, and one electric utility van with a tall rear enclosure. The addition of these vehicles will increase versatility and allow for better service throughout the campus.
- B. **SPECIFICATIONS:** The new electric vehicles shall meet or exceed the following requirements:

1. Electric 2-Passenger Utility Maintenance Truck

- Quantity 4

Key Specifications:

- Seating - Two (2) Passenger, Adjustable Seats
- Heavy Duty Aluminum Topper Enclosure with Built-in Toolboxes with Locks
- Motor – 72 Volt, 35 hp AC Motor
- Maximum Speed - 25mph (40km/h)
- Performance Up to 30 mi (48km)
- Enclosure Ladder Rack
- Lockable Side Windows and Rear Door
- Dual 1220/240 Volt Lithium Batteries with Battery Warmer
- Frame: Riveted Aluminum Unibody

- Ground Clearance: 8.5" (21.6cm)
- Fully Sealed Cab
- Roll Down Windows
- Fully Sealed Lockable Enclosure
- Heater/Defroster
- Onboard Charger for 110 or 220 volt outlet

Standard Features:

- Push Button Dome Lights
- Automotive Horn
- Solid Aluminum Roof
- Auto Safety Glass Windshield and Side Windows
- Rearview and Side Mirrors
- Steel Bumpers
- Three-point Retractable Safety Belts
- Speedometer
- Battery Discharge Indicator
- Hour Meter
- Cup Holders
- Clock
- 12V Power Source
- Warning Message Center
- Fault Code Display
- Dual Windshield Wipers
- 120 Volt On-Board Charger
- Automotive Tilt Steering Column

- Four Wheel Hydraulic Disc Brakes With Hand Operated Drum Parking Brake
- Driver and Passenger Side Glove Boxes

Dimensions and Weight:

- LxWxH: 155" x 61.5" x 69" (393.7 x 156.2 x 175.3 cm)
- Wheel Base: 103" (261.6 cm)
- Cargo Deck Area: 71" x 58" (180.3 x 147.3 cm)
- Cargo Deck (from ground): 32" (86.4 cm)

Power System:

- 72volt, 35hp AC Motor w/ 550 Amp AC Drive Controller
- Batteries: 200AH Lithium-ion Battery Upgrade with 5KW Battery Charger and J1772 Inlet

Body and Chassis:

- Color: White
- Hood: Fiberglass, Molded Composite
- Doors: Steel Framed Rollup Window w/Fiberglass, Molded Composite Outer & Plastic ABS Inner Panels.
- Lockable with Matching Keys

Steering:

- Rack-and-Pinion Steering
- 14" Steering Wheel on Tilt Column

Tires and Wheels:

- 215/70 R15 Radial Passenger Vehicle Tires

- Mounted on 15" x 6" Steel Wheels

Drivetrain:

- Rear Wheel Direct Drive 12.79:1 Gear Ratio

Suspension:

- Front: Dual A-Arm Independent Suspension with Coil-Over Shocks
- Rear: Leaf Springs over Axle with Shocks

Brakes:

- Four Wheel Hydraulic Disc Brakes
- Hand Actuated Lever Parking Brake

Lighting:

- High/Low Beam Headlights
- Turn Signals
- Brake Lights
- License Plate Light
- Interior Lights
- Side Reflectors

Heating:

- AC/DC 1500 Watt Heater/Defroster

Additional Options:

- AC Power Meter

- Back Up Alarm
- Strobe Light with Guard
- AC/DC Heater Combination Kit
- 2-Speed Fan
- Heavy Duty Steel Ladder Rack
- Receiver Hitch
- Reverse Light
- Sun Visors
- Windshield Washer Kit
- 1500 Watt 120VAC Power Inverter
- Dual 1220/240 Volt Lithium Batteries with Battery Warmers
- Onboard Charger for 110 or 220 volt outlet

2. Electric 4-Door Passenger Truck

- Quantity 5

Key Specifications:

- Seating - Four (4) Passenger
- Full (4) Doors
- Front Adjustable Seats, Rear Stationary Seats
- Open Bed with no Toolbox or Enclosure
- Max Speed 25mph (40km/h)
- Performance Up to 30 mi (48km)
- Ground Clearance 8.5" (21.6cm)
- Motor: 72Volt, 35 hp AC Motor
- Dual 1220/240 Volt Lithium Batteries with Battery Warmer
- Frame: Riveted Aluminum, Unibody
- Onboard Charger for 110 or 220 volt outlet

Standard Features:

- Push Button Dome Light
- 2 Speed DC Heater/Defroster
- High/Low Beam Headlights
- Turn Signals
- Brake Lights
- Side Reflectors
- Automotive Horn
- Solid Aluminum Roof
- Auto Safety Glass Windshield and Side Windows
- Rearview & Side Mirrors
- Steel Bumpers
- Three-point Retractable Safety Belts in Front
- Lab Belts in Rear
- Speedometer
- Battery Discharge Indicator
- Hour Meter
- Cup Holders
- Clock
- 12V Power Source
- Warning Message Center
- Fault Code Display
- Dual Windshield Wipers
- 120 Volt On Board Charger
- Automotive Tilt Steering Column

- Four Wheel Hydraulic Disc Brakes With Hand Operated Drum
- Parking Brake
- Driver and Passenger Side Glove Boxes

Dimensions and Weight:

- LxWxH: 152.5" x 58.5" x 72" (387.5 x 148.6 x 182.9 cm)
- Wheel Base: 103" (261.6 cm)
- Cargo Deck Area 27"W x 55"L (68.6 x 139.7cm)
- Cargo Box (from ground): 34" (86.4 cm)

Power System:

- 72volt, 35hp AC Motor w/ 550 Amp AC Drive Controller
- Batteries: 200AH Lithium-ion Battery Upgrade with 5KW Battery Charger and J1772 Inlet

Body and Chassis:

- Color: White
- Frame: Riveted Aluminum Unibody
- Seating: Four (4) Passenger
- Front Adjustable Seats
- Rear Stationary Seats
- Hood: Fiberglass, Molded Composite
- Doors: Steel Framed Rollup Window with Fiberglass, Molded Composite Inner and Outer Panels
- Lockable with Matching Keys

Steering:

- Rack-and-Pinion Steering
- 14" Steering Wheel on Tilt Column

Tires and Wheels:

- 215/70 R15 Radial Passenger Vehicle Tires
- Mounted on 15" x 6" Steel Wheel

Drivetrain:

- Rear Wheel Direct Drive 12.79:1 Gear Ratio

Suspension:

- Front: Dual A-Arm Independent Suspension with Coil-Over Shocks
- Rear: Leaf Springs over Axle with Gas Shocks

Brakes:

- Four Wheel Hydraulic Disc Brakes
- Hand Actuated Lever Parking Brake

Lighting:

- High/Low Beam Headlights
- Turn Signals
- Brake Lights
- License Plate Light
- Side Reflectors

Heating:

- AC/DC 1500 Watt Heater/Defroster

Additional Options:

- Solar Panel Kit
- AC Power Meter
- AM/FM Radio
- Back Up Alarm
- Strobe Light with Guard
- AC/DC Heater Combination Kit
- 2-Speed Fan
- Receiver Hitch
- Reverse Light
- Sun Visors
- Windshield Washer Kit
- 1500 Watt 120VAC Power Inverter
- Lithium Battery Upgrade with Dual Warmers
- Onboard Charger for 110 or 220 volt outlet

3. Electric 2-Passenger Utility Van with Tall Rear Enclosure

- Quantity 1

Key Specifications:

- Heavy Duty Aluminum Tall Enclosure – 58” High x 62” Length x 59” Width
- Rear Ramp

- Seating - Two (2) Passenger, Adjustable Seats
- Motor – 72 Volt, 35 hp AC Motor
- Maximum Speed - 25mph (40km/h)
- Performance Up to 30 mi (48km)
- Dual 1220/240 Volt Lithium Batteries with Battery Warmer
- Frame: Riveted Aluminum Unibody
- Ground Clearance: 8.5" (21.6cm)
- Fully Sealed Cab
- Roll Down Windows
- Fully Sealed Lockable Enclosure
- Heater/Defroster
- Onboard Charger for 110 or 220 volt outlet

Tall Rear Enclosure Specifications:

- 58" High x 62" Length x 59" Width
- Two (2), Lockable, Gull Wing Side Doors with Windows
- Two (2), Lockable, Barn Style Rear Doors with Windows

Standard Features:

- Push Button Dome Lights
- Automotive Horn
- Solid Aluminum Roof
- Auto Safety Glass Windshield and Side Windows
- Rearview and Side Mirrors
- Steel Bumpers
- Three-point Retractable Safety Belts

- Speedometer
- Battery Discharge Indicator
- Hour Meter
- Cup Holders
- Clock
- 12V Power Source
- Warning Message Center
- Fault Code Display
- Dual Windshield Wipers
- 120 Volt On Board Charger
- Automotive Tilt Steering Column
- Four Wheel Hydraulic Disc Brakes With Hand Operated Drum Parking Brake
- Driver and Passenger Side Glove Boxes

Dimensions and Weight:

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- Turn Signals

- Brake Lights
- License Plate Light
- Interior Lights
- Side Reflectors

Heating:

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Additional Options:

- AC Power Meter
- Back Up Alarm
- Tube Bumpers
- Strobe Light with Guard
- AC/DC Heater Combination Kit
- 2-Speed Fan
- Reverse Light
- Sun Visors
- Windshield Washer Kit
- 1500 Watt 120VAC Power Inverter
- Lithium Battery Upgrade with Dual Warmers
- Onboard Charger for 110 or 220 volt outlet

4. Vendor shall provide one (1) equipment manual for each vehicle specified above.

C. Delivery: Vendor shall complete delivery of all equipment within 120 days of contract award. Delivery shall be made to the Lebanon VA Medical Center, 1700 S. Lincoln Avenue, Lebanon, Pennsylvania, to the Warehouse located in Building 6. Specific delivery date and time shall be coordinated with the Engineering Business Manager, Raymond Reibsane, at (717)272-6621, Ext. 5357.

DISCLAIMER

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