



Montgomery County Sheriff's Office

200 Clark Dr, Fultonville, NY 12072

TELEPHONE: (518) 853-5500

RFQ07-23: Type II - Ford T-250 (AWD) Transit Style Ambulance

All quotes need to be received by Wednesday April 12th, 2023
@2 PM to Montgomery County Purchasing Agent at 20 Park
Street, Fonda, NY 12068



SECTION 1: BID SPECIFICATION

A. Chassis

- i. Chassis shall be current model year Ford Transit T-250 148" wheelbase mid roof. Extended chassis shall not be considered.
- ii. Chassis shall be gas variant 3.5l Ecoboost V6 engine with 6 speed automatic transmission.
- iii. Suspension and weight rating shall not be modified from the OEM.
- iv. Ambulance Prep Package 47B shall be included with the chassis
- v. Spare tire and rim shall be supplied mounted on the vehicle
- vi. (AWD) All Wheel Drive Capability - Lesser (non all wheel drive options) shall not be considered.

B. Conversion Specification

- i. Conversion shall meet Federal Specification KKK-A-1822F certification requirements

C. External Components

- i. Forward facing upper level external emergency lighting shall comprise an arrangement of 7 x 3 inch LED lights mounted on an ABS light pod. This shall comprise an element of lighting at an angle of no less than 35 degrees to the side in order to improve visibility from the side.
- ii. Grille lighting shall consist of SAE certified red LED lighting, with an option for white
- iii. Intersector lights shall be installed to face both forwards and sideways on the front fender. No emergency light shall be installed on the wing mirrors to reduce possibility of them folding in at high speed.
- iv. Two Whelen composite siren speakers shall be provided, externally mounted for maximum sound projection, and mounted into ABS composite bezels mounted on the front bumper.
- v. A rear facing upper level emergency light pod shall be provided, comprising an arrangement of Whelen 7 x 3 inch LED lights mounted on an ABS light pod. There shall be two LED load lights incorporated that shall operate when the rear doors open.
- vi. Side facing emergency lighting shall be provided by means of two 7 x 3 inch LED lights per side, along with two 7 x 3 inch scene lights per side, mounted into an ABS composite bezel. Curbside scene lights shall operate with the side door.
- vii. Separated intake and exhaust fans shall be installed on the vehicle to promote air exchange rate. Bezels shall be set at or near a 45 degree angle to minimize water ingress at speed.
- viii. A shoreline receptacle shall be provided to provide power to the vehicle when it isn't running.

D. Cab

- i. Control system shall be provided to control all emergency lights.
- ii. Door limiting straps shall be installed to prevent overextension damage to cab doors.

D. Cab - Continued

- i. The front cab shall comprise a steel reinforced ABS composite partition from the patient area.
- ii. Include a communication window to the patient compartment which can be closed.
- iii. v. Provide for comfort for crews who have to remain on standby for significant periods by allowing full forward / backward movement of the front seats, together with a 109 degree recline angle taken from the seat's horizontal plane when the seat is at the back of its track.

E. General Layout

- i. Interior head clearance shall be at least 69 inches.
- ii. ALS bag storage shall be provided at the rear of the patient compartment to facilitate easy access from outside when extracting the cot. The storage shall comprise at least 3 height-adjustable shelves.
- iii. Stair chair, main oxygen tank and spine board storage shall be provided with access from the sliding side door of the patient compartment.
- iv. Main oxygen tank shall be stored horizontally to promote vehicle stability.
- v. Flooring covering of the ambulance shall be Lonseal type flooring.
- vi. Cabinetry and other items in the patient compartment must not have sharp corners to minimize injury.

Action Wall

- a. A second conversion battery shall be provided to complement the one supplied to start the vehicle. This battery shall be situated next to the main starter battery under the driver's seat.
- b. One 110V/15A duplex outlet shall be provided, pre-wired into an inverter, if requested.
- c. One 12V outlet shall be provided.
- d. A 12v powered suction system shall be provided with pump, canister and quick-release plate.
- e. Ambulance control systems, inverter control panels shall be provided as required.
- f. Two oxygen outlets shall be provided, plumbed to the main oxygen tank, with Ohmeda-style bayonet plate fittings.
- g. A 3 or 5-point harness equipped airway seat shall be provided for head-end patient care.
- h. One storage cabinet shall be provided at the top of the wall.

Streetside (Driver) Wall

- a. Six (6) cabinets on the rear portion of the wall shall be provided, and must measure at least 26" wide by 9" high. Cabinets are to be constructed from ABS composite, with sliding Lexan doors capacity 20lb per cabinet.
- b. A 5lb fire extinguisher with suitably tested bracket shall be provided at the lower back corner in a position easily accessible from both inside and outside the vehicle.

Curbside Passenger Wall

- a. Wall shall be constructed of ABS composite, and shall incorporate two glove box holder compartments.
- b. Kit bags shall be stored towards the rear of the wall for easy access from the rear doors, on fully height-adjustable shelves made from ABS composite. Shelves shall be secured by 2 inch strap or enclosure system.
- c. A 110V duplex outlet shall provide power to the curbside.
- d. Sharps and garbage can shall be provided with all configurations.

Front Wall

- e. The front wall – or partition between patient compartment and cab – shall be constructed of ABS composite with steel bracing.
- f. The wall shall include a storage compartment, which shall have the option to be lockable.
- g. A cabinet shall be provided behind the airway seat, this cabinet shall house:
 - i. The main oxygen tank, which shall be laid transversely across the vehicle in a locking bracket. The vehicle shall have the option of carrying an M, H or K tank.
 - ii. Spine board and scoop storage shall be provided in front of the stair cabinet behind the partition.

Rear Doors

- a. The rear doors shall be paneled with ABS composite.
- b. A grab handle shall be provided on the driver's side door to facilitate door opening.

Ceiling

- a. The ceiling shall be constructed of molded ABS composite.
- b. It shall contain 5 cot lights. LED and dual intensity.
- c. A yellow 60 inch grab bar shall be included.
- d. The ceiling shall hold not less than two IV bag holders

F. Payload

Modern ambulances are required to carry a wide range of equipment and patients. As a consequence, it is important that any ambulance conversion does not cause excessive wear on parts or compromise occupant safety by approaching the gross weight limit of the vehicle when fully laden. Payload capacity of the completed converted vehicle shall be no less than 1,800 lbs (All Wheel Drive).

G. Service

- i. Winning bidder must be able to guarantee warranty service and/or repairs within 48 hours \
- ii. Winning bidder must have mobile service available or have a local service center within 30 miles of the Montgomery County Sheriff's Office as calculated by Google Maps.

E. Right to Refuse Bids

- i. Montgomery County reserves the right to reject any quotes for any reason.

F. Future Purchases and Piggybacking Orders

- i. The successful bidder shall accept "piggyback" orders to this proposal for a period not to exceed three (3) years from the bid opening date. The successful bidder shall honor the price quoted for a period of 90 days from the date of the bid opening. For the remainder of the year (275 days), the bidder shall agree to an economic price escalation of 1.5%. Future years beyond the initial first year shall have an economic price escalation of 3% as a normal course of business. Items outside the normal course shall include changes legislated by Federal, State or Local Governments that impact the cost to manufacture the truck. In addition, changes to that require additional cost shall be borne by the purchaser. These may include, but are not limited to changes that affect the major vendors of the ambulance industry such as seat manufacturer, electrical power supplies, and chassis manufacturer increases.