



## **McHenry Township Fire Protection District**

### **Invitation to Bid**

### **Bid # 24-001 – Two (2) Type I Ambulances**

The McHenry Township Fire Protection District invites interested and qualified parties to bid on the construction and delivery of two (2) Type I Ambulances.

This bid process and award of the contract will be made in accordance with Section 11k of the Illinois Fire Protection District Act (70 ILCS 705/11k). The McHenry Township Fire Protection District reserves the right to reject any and all bids, or any part thereof, or to accept any bid or any part thereof, or to waive technical or legal deficiencies, if deemed to be in the best interest of the District.

Bid documents will be available for pick up at the District office located at 3610 W. Elm St. McHenry, IL 60050 beginning on Tuesday, January 23<sup>rd</sup>, 2024 at 8:00 AM (Local Time). Bid documents may also be downloaded from the District website [www.mtfpd.org](http://www.mtfpd.org)

One (1) bid response must be addressed to Deputy Chief Steven Spraker in a sealed envelope clearly labeled "Ambulance Bid". The bid package should include an USB drive with a PDF copy of the bid submission. The outside of the envelope must include the name, phone number, and email address of the designated contact person. The envelope is to be delivered to MTFPD 3610 W. Elm St. McHenry, IL 60050 by **9:00 AM (Local Time), on Friday, March 22<sup>nd</sup>, 2024.**

Bids **will not** be accepted via email, fax, or after the deadline. It is the responsibility of the Bidder to meet the specified deadline. Bids arriving after the specified deadline, whether sent by mail, courier, or in person will not be accepted. These submittals will either be refused or returned unopened. Mailed submittals which are delivered after the specified deadline will not be accepted regardless of postmark on the envelope.

**The bid opening will be held at 9:05 AM on Friday, March 22<sup>nd</sup>, 2024 at the District office located at 3610 W. Elm Street, McHenry, IL.**

All questions about this bid document must be submitted via email as follows:

Deputy Chief Steven Spraker  
Email: [sprakersteven@fire.mtfpd.org](mailto:sprakersteven@fire.mtfpd.org)

The District reserves the right to forward the question and answer to all prospective bidders. Please provide a return email address for responses.



## McHenry Township Fire Protection District

### Bid #24-001 – Two (2) Type I Ambulances

#### General information for Bidders

Bids shall only be considered from companies that have an established reputation in the field of ambulance construction and have been in business for a minimum of ten (10) years. Bidders must provide a list of ten (10) units of similar design delivered and serviced in the Midwest region.

In order to ensure fair, ethical, and legal competition, either original equipment manufacturer (O.E.M.) or parent company of the O.E.M. shall have never been fined or convicted of price fixing, bid rigging, or collusion in any domestic or international ambulance/fire apparatus market. (No exception).

Each bidder shall furnish satisfactory evidence of their ability to construct the ambulance specified and state the location of the factory where the ambulance is to be built. The bid must also show that the company is in position to render prompt service and furnish replacement parts for said ambulance.

Each bidder shall hold their bid price for at least 60 days. Bid price is not to change at time of delivery once an order is placed. The district anticipates a decision being made on the purchase by the May 16<sup>th</sup>, 2024 board meeting.

Bidder shall provide all warranty documents with the bid.

Bidder shall submit complete manufacturer's specifications and descriptive literature for the unit being bid. A drawing of the proposed ambulance shall be provided with the bid.

Bidder is responsible to explain **ALL** exceptions to bid specifications in writing. When variations are not stated clearly, it will be understood the bidder proposed to meet all details of the specifications.

Bids shall be submitted in the same sequence as specifications for ease of evaluation, comparison, and checking compliance.

Bid price shall not include any federal or state taxes.

Bid shall identify any pre-payment discount option and the cost of a performance bond, if offered.

## **Delivery**

The ambulance, to insure proper break in of all components while still under warranty, shall be delivered under its own power, rail or truck freight shall not be acceptable. Delivery address is 3610 W. Elm, McHenry, IL. Delivery time of the unit, from the time of the bid being awarded, shall be provided as part of the bid.

The bidder shall supply at time of delivery, complete operation and maintenance manuals covering the completed ambulance as delivered.

## **Manufacturer**

The major components shall all be assembled and installed by the bidder in the same location. It shall solely be the bidder's responsibility for parts availability and undivided SINGLE SOURCE warranty responsibility. All major components of the ambulance shall be built and assembled in the United States of America.

## **Inspection trips**

The bidder shall provide up to two (2) factory inspection trips for two customer representatives. The inspection trips shall be scheduled at a time mutually agreed upon between the bidder's representative and the customer. All costs such as travel, lodging and meals shall be the responsibility of the bidder.

## **Service Center**

The bidder shall list the address and location of the factory authorized service centers showing evidence of being able to render quick and reliable service. Service centers shall be within 50 miles of McHenry, IL.

Note: There is an alternate for a different color/graphics package. Please provide pricing as a separate line item for the cost of the alternate color/graphics package.

**General vehicle information**

- 1. Type I Ambulance
- 2. Ford F550 diesel 4x4 chassis

**Electrical/lighting**

- 1. Batteries located within the engine compartment  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
- 2. Exterior compartment doors to activate respective curbside flood lights  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
- 3. Curbside door to activate curbside flood lights  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
- 4. Rear scene lights to activate when transmission placed in reverse or when opening the rear doors  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
- 5. Door buzzer to activate only when transmission is not in park with any door open  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
- 6. Onboard battery charger with 110v shoreline connection  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
- 7. Power indicator light for exterior shoreline connection  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
- 8. Auto eject on shoreline connection to be mounted 60" off the ground  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
- 9. Onboard inverter  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
- 10. Radio antenna mounted on cab roof and prewired to cab console  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_

11. Prewire for a remote radio head from cab console to action wall in Ambulance  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
12. Cradlepoint IBR900 Wireless Router installed with exterior antennas and Cat 6 cable run from router to under cab console  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
13. GPS antenna mounted on Ambulance roof and wired to under cab console  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
14. Liquid spring ride system with dump/cancel switch installed inside curbside rear entry door  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
15. Cut off timer for the rear power of the ambulance to be set at 15 minutes  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
16. Digital Clock with seconds display and wired to constant power  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
17. Electric locks to all doors (cab, side, and rear doors – not compartments) with hidden override button  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
18. Activation of rear warning lights when brakes are applied  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
19. Rear warning, scene and taillights to be Whelen M series 600 LED lighting group as per MTFPD specifications  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
20. Dual address lights mounted at 45 degrees on the top of the cab or front of body  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
21. Separate digital rear thermostat for rear ambulance compartment  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_

**Interior**

1. Minimum 74" headroom in patient compartment  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
2. Roll up door on interior patient compartment  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
3. Outside and inside access from right rear exterior compartment  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
4. Corian or equivalent (must specify) countertop in patient compartment area  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
5. All interior lighting to be LED including interior cabinets  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
6. Rotary 15 minute timer for interior LED lighting  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
7. Rubber flooring to extend 6" up sidewalls.  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
8. Locking med/drug box cabinet to be purchased and installed (with pre wired to constant power Comp X Wi-Fi Network Cabinet eLock that is protected on inside of cabinet door with plexiglass) above interior EMS cabinet with a minimum opening of 27" wide by 20" high. Comp X eLock to be supplied by vendor.  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
9. Minimum of three glove box holders above side compartment door and two glove box holders on lower wall accessible from rear doors  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
10. Rubber cab floor matting  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
11. Interior cabinets with clear sliding doors, hinged restocking feature, and exterior locking locking mechanism as illustrated below (Fig. 1.1)

- Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_
12. CPR seat moved aft as per MTFPD specifications.  
Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_
13. Attendant's seat – high back Captain's chair (non-reclining) mounted as far forward as possible to maximize space between cot and chair  
Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_
14. Electric oxygen system with manual bypass feature and digital O2 readout in ambulance compartment  
Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_
15. Three (3) Streamlight, Fire Vulcan model 180 brand hand lights and supplied portable radio charges wired and installed – one installed in ALS cabinet, one installed in street-side gear compartment and one installed on street-side, forward exterior cabinet  
Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_
16. Four (4) 110v outlets with minimum 2 amp USB-C plugs. One in ALS cabinet, two front and one rear of the patient care area on action wall  
Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_
17. Rearview mirror that can monitor patient compartment and switches to back up camera when transmission is in reverse  
Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_
18. Grab handles inside rear doors  
Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_
19. Two (2) Glove box holders to be mounted on back wall of cab  
Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_
20. Report writing drawer and two equipment drawers under action area per MTFPD specifications  
Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_
21. Three (3) O2 ports, one installed on the ceiling over the patient stretcher area, installed on the action wall and one installed over the rotary timer above bench seat



- Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
22. Gentec type flow meters installed on all O2 ports
- Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
23. Squad bench to be full length with padding
- Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
24. Grab handle with garbage and 5 quart sharps mounted forward of bench seat (no cargo net) as illustrated below (Fig. 1.2)
- Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
25. Two (2) two-tier style cup holders recessed into the cab console, or equivalent
- Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
26. House electrical and pumps above the O2 compartment as per MTFPD specifications
- Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
27. Recessed grab handle(s) in ceiling of patient compartment as illustrated below (Fig. 1.3)
- Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
28. Two (2) installed recessed IV holders - locations as per MTFPD specifications
- Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_

### **Exterior**

1. Rear curbside backboard compartment divided to accommodate a Stryker brand stair chair. Compartment to have two (2) shelves installed. Total width of compartment is not to exceed 28"
- Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
2. Street side, intermediate exterior compartment to have one (1) shelf installed
- Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
3. Coat hooks and SCBA brackets installed as per MTFPD specifications (to be provided by MTFPD)

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

4. 6" Body Drop on both sides forward of the rear wheels

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

5. Exterior grab bar to rear of curbside compartment door

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

6. Rubber protection bumpers on both sides of rear flip down step

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

7. Rubber extruded fenders around the rear wheel well openings; 1" x 2" black PVC rub rails spaced away from the body both in front of and behind the rear wheel openings

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

8. Lettering and striping per MTFPD specifications including a red Star of Life mounted on the roof of the ambulance, both sides of box, front hood, and Star of Life screening on rear doors as illustrated below (Fig. 1.3, 1.4)

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

9. Mounting bracket for spare oxygen "D" cylinder installed

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

10. Dri-deck brand matting in all exterior compartments, cut to fit

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

11. 3M "Diamond Grade" Chevron reflective striping on back of ambulance, exclusive of doors as illustrated below (Fig. 1.4)

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

12. 3M "Diamond Grade" Chevron striping on lower half interior side of rear doors

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

13. Backboard retention strap to hold the backboards and stair chair

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

14. Nederman brand exhaust system receiver/magnet installed as per MTFPD specifications  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
15. Tire inflation valve extenders for inside dual rear wheels  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
16. Cab running boards with grip strut built into them  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
17. Compartment lighting to be LED type  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
18. Stainless steel wheel covers  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
19. Fuel and DEF fill drip protection  
Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_
20. Two (2) 5 lbs. ABC extinguishers mounted in compartments  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_

**Warning lights/siren**

1. All LED emergency lighting, red / white alternating– front, side and rear flashers and rear directional lights as illustrated below (Fig. 1.4, 1.5)  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
2. Rocker-style switches for all warning and scene lighting, as illustrated below (Figs. 1.6, 1.7)  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
3. Installed chrome flanges around all exterior warning lights  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_
4. Carson FA441 dual siren  
Comply: Yes\_\_\_\_\_No\_\_\_\_\_ Exception\_\_\_\_\_

5. Siren speakers mounted in front bumper

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

6. Buell air horns mounted as flush as possible in front bumper

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

7. Opticom pre-emption emitter installed (not infrared)

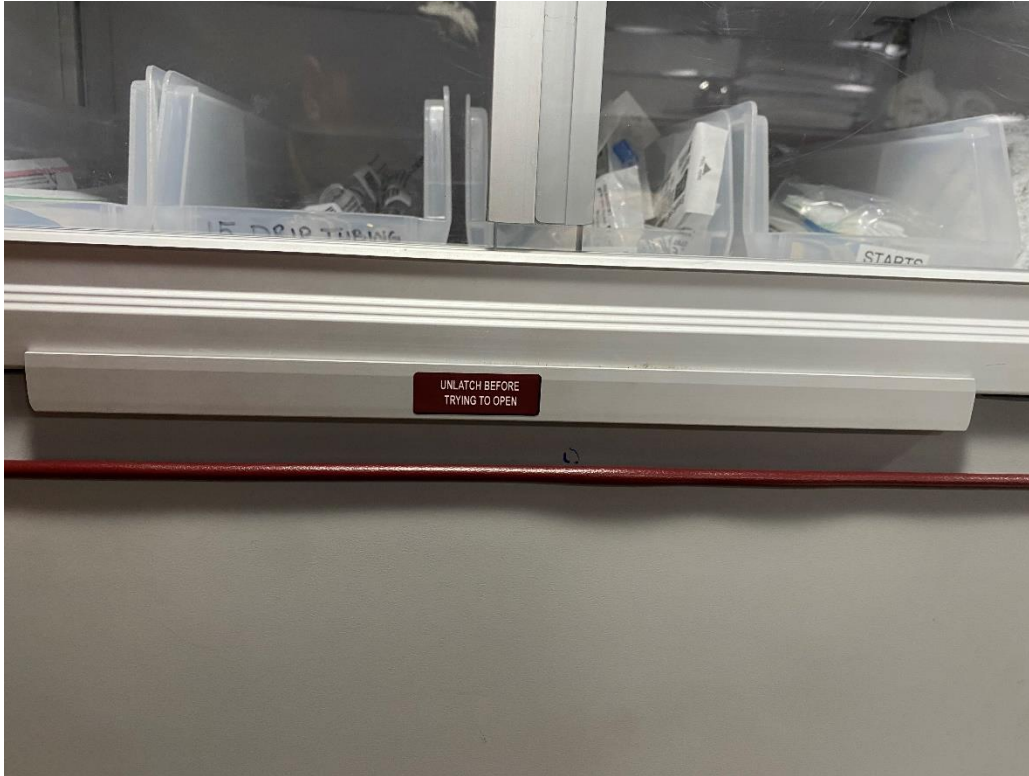
Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

8. Two (2) rocker-style air horn activation switches, one installed to the left of siren control and the other on console so the officer can reach it, as illustrated below (Fig. 1.7). Air horn also activated by steering wheel horn. Air horn is not to be wired into master warning lights.

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

## **Attachments and Illustrations**

- 1.1) Exterior locking mechanism for patient compartment cabinet to match below



- 1.2) Patient compartment grab handle with integrated garbage bin and 5 quart sharps container



1.3) Recessed grab handle(s) in patient compartment to match below



1.4) Stars of Life, striping, and lettering to match below



1.5) Rear chevron striping and Stars of Life to match below



1.6) Rocker-style lighting activation switches to match below



1.7) Dual rocker-style air horn switches mounted in cab console to match below





**Alternative Paint, Lettering, and Striping (to be priced as an option)**

1. Striping and lettering per MTFPD specifications illustrated below including blue Stars of Life mounted on the roof of the AMBULANCE, both sides of box, and front hood; Star of Life screening on rear door windows as illustrated below. All graphics to be applied by the manufacturer

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

2. "MCHENRY TOWNSHIP FIRE PROTECTION DISTRICT" in genuine gold leaf lettering with outline and shade on both sides of body per size and position illustrated in Fig. 1.4

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

3. Cab and entire body #106 red

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

4. Three (3) reflective stripes outlined in black shall be provided along the sides of the body to the front fender wells. The reflective band shall consist of a 1" white stripe at the top with as 1" gap then a 6" white stripe with a 1" gap and a 1" white stripe on the bottom. An "S" type ribbon(s), "DIAL 911", and "AMBULANCE" shall be added to the reflective stripes of body and rear as illustrated below (Figs. 1.8, 1.9)

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

5. One (1) gold leaf stripe shall be provided on the paint break. The stripe shall be on both sides of the cab and on the cab face as illustrated below (Figs. 1.8, 1.9)

Comply: Yes \_\_\_\_\_ No \_\_\_\_\_ Exception \_\_\_\_\_

- 1.8) Paint and striping to match below, except entirely red cab, with MTFPD insignia on door panels



- 1.9) Striping to match below: 6" white outlined in 0.25" black, bordered by two 1" white outlined in 0.25" black. 0.5" genuine gold leaf outlined in 0.125" black.

