TOWNSHIP OF SHAMONG
105 WILLOW GROVE ROAD
SHAMONG, NEW JERSEY 08088

BID SPECIFICATIONS

FOR ONE **2016 FORD E450 V10 GAS (OR NEWER) REMOUNT/REFURBISHMENT OF ONE TYPE III CLASS I EMERGENCY MEDICAL VEHICLE AS PROVIDED BY THE VENDOR** PER THE ATTACHED BID SPECIFICATIONS. (OR EQUIVALENT)

_____

DATE:

TOWNSHIP OF SHAMONG
105 WILLOW GROVE ROAD
SHAMONG, NEW JERSEY 08088

BID PROPOSAL FORM:

THE UNDERSIGNED HEREBY DECLARES THAT HE HAS CAREFULLY EXAMINED THE SPECIFICATIONS AND THE ADVERTISEMENT FOR THE EQUIPMENT OR PROJECT DESCRIBED AND THAT HE WILL CONTRACT TO SUPPLY THE EQUIPMENT OR PROJECT IN ACCORDANCE WITH SAID SPECIFICATIONS, FOR THE TOWNSHIP OF SHAMONG;

BID PRICING:

ONE 2016 (OR NEWER) FORD E450 XL V10 GAS REMOUNT/REFURBISHMENT OF ONE TYPE III CLASS I EMERGENCY MEDICAL VEHICLE, AS PROVIDED BY THE VENDOR
PER THE ATTACHED BID SPECIFICATIONS (OR EQUIVALENT)
PER UNIT.....$_____

TOTAL PRICING,
.....$_____

BID/MANUFACTURER
REMOUNTER:

DELIVERY DATE:

NAME OF BIDDER:

:

BIDDER'S SIGNATURE: _____

1433 **SPECIFICATIONS FOR EMERGENCY MEDICAL VEHICLE:**

BIDDER INSTRUCTIONS:

The following specification describes an ambulance rechassis that is expected to be acquired by this purchaser. The specification describes the needs of this purchaser as far as chassis configuration and module body refurbishment required. A state of the art vehicle is required. However, manufacturers that utilize prototype equipment or manufacturing processes will not be considered. The builder's manufacturing history shall be supported by documentation where applicable, and by the reference section within this specification.

Please note that the following specifications represent minimum general terms or requirements. While it is not the intent of this purchaser to preclude any qualified bidder from submitting a proposal it must be clear that any bidder deviating in any substantial manner from these specifications will be rejected as being non-compliant.

Finally, manufacturers or distributors for manufacturers submitting bids shall include the following information with their proposal:

2495 **MINIMUM REQUIRED STANDARDS:**

The highest degree of quality, both in the materials and in the building processes, is required for the emergency medical vehicle being proposed. At a minimum the manufacturer being proposed must meet all current mandated and voluntary ambulance design standards in effect at the date of the proposal submission. All current Federal Motor Vehicle Safety Standards (FMVSS) must be met. A federally approved FMVSS compliance sticker must be affixed to the vehicle.

The manufacturer being proposed shall build new vehicles in addition to performing vehicle rechassis and refurbishment as required under this specification.

The manufacturer shall also comply with Ford Motor Company's QVM program. A copy of the manufacturers current QVM certification must be submitted with the bid.

The current QVM certification is included.

Manufacturers or dealers for manufacturers submitting bids must be licensed as a NEW JERSEY NEW AND USED MOTOR VEHICLE DEALER in accordance with the provisions of N.J.S.A. 39: 10-19.

Yes_____ No_____ Initial: _____

3064 **PROPOSAL COMPLETION PROCESS:**

Various areas in the following specifications require a response from the bidder. In order to aid in the evaluation process all responses must be consistent and, most importantly, legible. Therefore, the areas that are to be completed by the bidder, along with any other materials that may be submitted by the bidder, must be typed. Bids that are submitted with either hand-written responses, or with hand stamped responses shall be automatically rejected as being non-compliant.

Does the bidder understand this requirement?

Yes_____ No_____ Initial: _____

4935 **SINGLE SOURCE MANUFACTURER:**

To simplify warranty coverage and to assure a consistent level of quality throughout the vehicle, a manufacturer is desired that manufactures the major components for the ambulance (excluding the chassis). Major components are defined as including the module body, the aluminum interior cabinets, and the converter-added electrical wiring system. This is required due to the possibility that repairs may be required during the refurbishment process. This purchaser understands that manufacturers may purchase some elements, such as switches, boards, etc. with which to manufacture a system.

Further, this specification requires the vehicle manufacturer to own the design of, as well as the rights to, the onboard converter-added electrical system. Again, this is required should repairs or modifications/upgrades be required. Generic aftermarket systems that are manufactured by an outside company and installed by the vehicle converter are not acceptable.

These requirements are addressed elsewhere within this specification where the specific defined items are located. Manufacturers who outsource any of the above-referenced components shall be considered non-responsive and will be rejected.

Bidder states that the represented vehicle builder manufactures all of the major components as defined above:
Yes_____ No_____ Initial: _____

Bidder states that the represented vehicle builder owns the design of the converter-added electrical system, as well as all rights to that system and any software that may be required:
Yes_____ No_____ Initial: _____

Component manufacturer (by company name):

Modular Body: _____

Interior Cabinets: _____

Electrical Wiring System: _____

5339 **QUOTATION:**

The overall quotation shall include a firm price for a vehicle meeting these specifications. The length of time that the price will be held shall be clearly stated in the quotation. The quotation shall include a specific delivery window based on the number of calendar days following the award of the contract. The model year of both the chassis and the rechassis shall be clearly stated in the contract.

10821 **WARRANTY:**

The proposal shall include all warranties that are required in the following detailed specification. Lifetime warranties will not be accepted because of their unclear nature of duration. All warranties must have specific time durations and shall define warranties on specific components. The minimum acceptable warranty periods are noted below. In the blank lines the bidder shall note the terms of the warranties that apply to the manufacturer being proposed. It should be noted that the refurbishment work performed shall NOT compromise any remaining warranty as provided by the original ambulance manufacturer.

MODULAR BODY STRUCTURAL WARRANTY: 15 years/Unlimited Miles
Proposed warranty term: __ years/_____ Miles

Note: The structural warranty, as noted in the structural section of this specification, will include the module doors, continued module body door alignment, and all interior cabinet construction. It shall also be extended on 5 year intervals in the event that the body is placed on a new chassis provided that (1) the re-chassis is performed by the original manufacturer, (2) the structural warranty has not expired at the time of the re-chassis, and (3) this purchaser approves any structural repairs at the time of the re-chassis. These terms and conditions must be explicitly stated in the manufacturers warranty certificate.

Does the structural warranty proposed comply with the above-stated terms and conditions? Yes_____ No_____

ELECTRICAL WARRANTY: 6 years/72,000 Miles
Proposed warranty term: __ year(s), _____ Miles

CONVERSION WARRANTY: 2 Years/24,000 Miles
Proposed warranty term: __ year(s), _____ Miles

PAINT WARRANTY: 4 Years/48,000 Miles
Proposed warranty term: __ year(s), _____ Miles

For verification of the completed warranty terms stated above the bidder must include printed manufacturers warranty certificates that meet or exceed the minimum required periods stated above.

Are the manufacturers warranties included? Yes____ No____

Warranties shall not be pro-rated in any manner and shall be transferable for their duration. All warranties shall be from the manufacturer as opposed to a distributor or service center. This is necessary for the protection of the purchaser, and to guarantee a certain known level of service and warranty. If, however, the bidder feels that it is necessary to modify the manufacturers warranties, then the bidder shall state why this modification is necessary. In addition, the bidder shall provide a full descriptive warranty certificate describing the warranty modification and the fact that it takes specific precedence over the warranty offered by the manufacturer. If no such certificate is provided, then the modified warranty shall be considered invalid and the manufacturers warranty shall remain in force. If a warranty modification is proposed through either a distributor or service center, then complete financial statements for that business covering the past five (5) years

MUST BE SUBMITTED with the bid. If the manufacturer states that no party is permitted to modify its warranty, then any warranty modification provided by the bidder, despite being in writing, shall automatically be rejected.

Does the bidder conform to the above-written section? Yes____ No____

In order to simplify the evaluation process the following questions must be answered and this section must be initialed by the bidder.

Are the warranties pro-rated in any manner? Yes____ No____
If yes explain.

_____

_____

Are the warranties transferable? Yes____ No____
If yes explain.

_____

_____

Has the bidder modified the manufacturers warranties? Yes____ No____
If yes explain.

_____

_____

_____

_____

If yes was chosen above, has the bidder included modified written warranties? Yes____ No____
If no explain.

_____

_____

If 'yes' was chosen above, has the bidder included financial statements, for the last five (5) years, of the warranty modifier? Yes____ No____
If 'no' explain.

_____

_____

Bidder shall initial that this section is understood and has been answered truthfully. Initials: _____

Note: Bidders who are found to be untruthful in this, or in any other section of this bid, will have their bid automatically rejected.

12762

SERVICE AVAILABILITY:

Service will be a major factor in the award of this proposal. Qualifications, experience and convenience will be determining factors in defining acceptable service. A service facility authorized to provide both chassis and conversion warranty service is required. Service facilities that rely on an arrangement of a third party not bound by contract for chassis warranty service is unacceptable. The service facility must certify to be a Ford Authorized Warranty Center to maintain a constant source of information from Ford Motor Company through the Online Automotive Service Information System (OASIS).

The service facility shall maintain a New Jersey Registered Body Shop License and an onsite body shop repair center with an environmentally protected paint spray booth and custom frame machine to handle repairs of the type proposed. Collision repairs shall not be subcontracted to third party vendors.

In addition, a service facility within the radius as described below will be required. The manufacturer shall train personnel performing the service, with emphasis in the area of electrical service.

PICKUP AND DELIVERY SERVICE IS REQUIRED.

Radius from purchaser: Not more than 50 miles.

Facility name: _____

Address: _____

City: _____ State: _____

Contact: _____

Phone #: 1-(_____)-_____-_____

Training Description: _____

_____

_____

_____

_____

_____

16377

REFERENCES:

The proven durability and reliability of this product is of the utmost concern. Each bidder submitting a proposal must furnish references consisting of in-service units of similar chassis make and conversion processes being proposed.

All references shall include owner, address, contact name and phone number, and the model owned. A minimum of ten (10) references shall be provided:

1. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(_____)-_____-_____

Model: _____ Year: _____

2. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(_____)-_____-_____

Model: _____ Year: _____

3. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(_____)-_____-_____

Model: _____ Year: _____

4. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(_____)-_____-_____

Model: _____ Year: _____

5. Owner: _____

Address: _____

Contact: _____

AMBULANCE SPECIFICATIONS

TOWNSHIP OF SHAMONG
105 WILLOW GROVE ROAD
SHAMONG, NJ 08088

Phone #: 1-(_____)-_____-_____

Model: _____ Year: _____

6. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(_____)-_____-_____

Model: _____ Year: _____

7. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(_____)-_____-_____

Model: _____ Year: _____

8. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(_____)-_____-_____

Model: _____ Year: _____

9. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(_____)-_____-_____

Model: _____ Year: _____

10. Owner: _____

Address: _____

Contact: _____

Phone #: 1-(_____)-_____-_____

Model: _____ Year: _____

17489 **LIABILITY:**

The bidder shall defend, indemnify, and save harmless the purchaser and its officials from all claims, demands, payments, suits, actions, recoveries, and judgments of every description, whether or not well founded in law, brought or recovered against it, by reason of any act or omission of said bidder, his agents or employees, in the execution of the contract or in consequence of insufficient protection or for the use of any patented invention by said bidder, and a sum sufficient to cover aforesaid claims may be retained by the purchaser from money due or to become due to the bidder under this contract, until such claims have been discharged or satisfactorily secured.

Each bidder must furnish a Certificate of Insurance showing aggregate total of insurance which shall not be less than twenty-five million dollars ($20,000,000).

Certificate of Insurance included with proposal? Yes_____ No_____

In addition, the bidder is to assume any risk of loss to the ambulance until the ambulance is delivered to this purchaser.

Does the bidder understand this requirement? Yes_____ No_____

18150 **PAYMENT:**

Payment shall be made on delivery of the purchased item, or upon completion of all work contracted for (whichever occurs later) and performed to the satisfaction of the purchaser. Clauses requiring prepayment of any portion of the contract amount will render the bid non-responsive whereupon it will be rejected.

Does the bidder comply with this requirement? Yes_____ No_____
If no explain:

_____

_____

_____

18494 **DELIVERY PROCESS:**

The vehicle shall be delivered over the road to the purchaser. Delivery shall be stated in number of calendar days after award of contract. The purchaser has the right to reject the vehicle if it does not conform to these specifications to the satisfaction of the purchaser.

Does the bidder understand this requirement? Yes_____ No_____

18738 **PRICE AND TAXES:**

All prices quoted shall be for a definite fixed price unless otherwise specified. Prices shall exclude Federal, State, and other taxes to the extent that this purchaser is exempt. All pricing shall be F.O.B.

FOB: Shamong Township, New Jersey

20629

SPECIFICATION DESIGN:

The following specifications were created by the purchaser in order to best describe a need. However, it is not the intent of the purchaser to exclude any manufacturer from submitting a bid on these specifications. In many places required equipment or features are identified by brand name. The bidder shall note that the use of brand names within this document is meant to describe a required level of quality or performance. The bidder may substitute equipment or features provided that the substitutions meet the intent of the specification. The bidder shall note, however, that substitute components shall be included in the list of exceptions. Exceptions should be listed per the following bid completion requirements.

BID COMPLETION REQUIREMENTS:

1. All proposals shall be submitted to:

Purchaser:_____
Address: _____
City: _____ State:_____ Zip Code: _____
Attention:_____

Proposals must be submitted by: _____/_____/_____ at ___:_____

2. All proposals shall be submitted in a sealed envelope with the following information marked on the outside of the envelope:

BID FOR NEW EMERGENCY MEDICAL VEHICLE RECHASSIS

3. All proposals shall be submitted in a hard-bound binder. In order to facilitate evaluation, the binder shall be divided by header into the following minimum sections:

A. Proposal: Bidders proposal showing product bid, model year, price, and delivery date.
B. Specification: Purchasers advertised specifications completed as required.
C. Warranty: Complete written certificates as offered by the bidder.

Bidders proposal meets all of the requirements listed above. Yes_____ No_____ Initials: _____

21828 **INFORMATION TO BE SUBMITTED WITH PROPOSAL:**

The information requested within this bid must be furnished in full. Any bidder not completing this proposal or not furnishing any required information will not be considered. If a bidder will not furnish a material or fabrication process exactly as described in this specification, then that difference must be designated in the list of exceptions. If a substitution is being proposed, then the bidder must note the section to which the alternative is being proposed and provide technical data, supported by a registered engineer, supporting the fact that the substitute is equal to or better than the item as specified. If this data is not submitted with the bid, then the bid shall be rejected as being non-compliant. Bidder added narrative describing a substitution as being a clarification, exceeding, being equal to, etc. will not be accepted. Statements such as these, with or without the technical data described in this section, will cause the bid to be rejected as being non-compliant. This purchaser reserves the right to require samples of any deviating material to be provided for evaluation.

Does the bidder comply with these requirements?
Yes_____ No_____ Initial: _____

22797 **DIRECTIONS FOR RESPONDING TO EACH SECTION:**

Each individual section of the specification shall be followed by three (3) response lines. The lines shall read as follows:

Above section bid exactly as written. _____
Section not provided. _____
Bidder is offering an alternative to this section. _____

On the line to the right of each statement the bidder shall mark an X to signify the appropriate response. If a bidder is offering an alternative to the written section, then an exception must be taken for the section. The exception must be accompanied by data supported by a registered engineer to demonstrate the equivalency of the alternate item. The bidder shall note that the data submitted must correspond with the substitutions offered. If the data submitted does not cover all substitutions offered, then the bid shall be rejected as being non-compliant.

Does the bidder understand this requirement?
Yes_____ No_____ Initial: _____

27663

EXCEPTIONS TO SPECIFICATIONS:

Exceptions to these specifications shall be noted below. All exceptions taken shall be recorded per the guidelines defined above. Each exception shall be noted by page number and item header. If additional space is required for exceptions, then the bidder shall use additional paper as necessary, however the same format shall be used.

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

Page #:_____ Header:_____
Exception:_____

28261

ORIGINAL VEHICLE INFORMATION:

The vehicle to be refurbished is as follows:

CONVERSION INFO.
Ambulance Manufacturer:
CONVERSION INFO.
Original Horton I.D. #13052
Model: 553
Type: III
Cab to Axle:100"
Body Length:169
Body Width:96
Interior Height: 72
Cab Connection Type: Walkthrough__xx___ Bellows_____
Body Mount Style: Double Bolt Style_____ ViTech __XX___
Fuel Fill Location: drivers side rear
Electrical System: Intelleplex

CHASSIS INFO.
Year: 2007
Make: Ford
Model: E450
Miles:
VIN:1FDXE45P07DA01240

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

28405 **RETURN ITEMS:**

The following items are to be returned to the purchaser at the conclusion of all work contracted for:

Chassis disposed of by dealer _xx____

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

28734 **CHASSIS:**

The chassis required for this project is specified in detail below. Failure of the bidder to provide the chassis exactly as specified will be grounds for rejection of the bidder's proposal as being non-responsive. Exceptions will be made only if the bidder can prove that a required feature is unavailable from the chassis O.E.M.

28900 **CHASSIS, 2016 FORD E-450 SUPER DUTY, 158" CUTAWAY:**

The vehicle converter shall supply a 2016 158" wheelbase Ford E Series Super Duty cutaway chassis. The chassis shall include Ford's Ambulance Prep Package. (OR NEWER)

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

29078 **ENGINE AND RELATED EQUIPMENT:**

-6.8L Triton V10 gasoline engine
(305 HP @ 4250 RPM)
(420 lb. Ft. Torque @ 3250 RPM)
-40 gallon fuel tank mounted between the frame rails aft of the rear axle.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

29149 **TRANSMISSION:**

-TorqShift 5-Speed automatic with overdrive.
-Transmission Oil Cooler.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

29176 **REAR AXLE:**

-Ratio: 4.56:1 limited slip

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

29327 **OVERALL WEIGHT RATINGS:**

-GVW:	14,500 lbs.
-Front GAWR:	5,000 lbs.
-Shock Absorbers:	Heavy Duty-Front and rear
-Stabilizer Bar:	Front and rear

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

29476 **TIRES AND WHEELS:**

-Quantity of seven (7) tires with spare shipped loose
-Tire size to be LT225/75R16 Load Range 'E'
-Tires shall be all season radials
-Steel wheels

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

29609 **BRAKES:**

-Front and Rear:	4-wheel hydraulic disc with ABS
-Power Assist:	Hydro-boost
-Parking Brake:	Foot Operated

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

30349 **INTERIOR APPOINTMENT STANDARDS:**

-Interior Upgrade Package
-Power steering
-Tilt steering with factory speed control
-Courtesy lights
-Dual padded sun visors
-High Series door trim panels
-A pillar grab handles
-Cloth headliner
-Rear view mirror
-Power door locks
-Power windows
-Two 12V power points
-Sound reduction package
-Light/Convenience group
-Heat/Air conditioning
-Dual O.E.M. cloth-covered captain's chairs with inside folding arm rests
-Carpeting on cab floor
-Second generation driver and passenger air bags
-An electronic AM/FM stereo/CD player with two (2) speakers installed in cab
-Factory gauges for oil pressure, fuel capacity, and water temperature. The converter-added digital display shall provide both ammeter and voltmeter.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

30720 **ADDITIONAL APPOINTMENT STANDARDS:**

-Tinted glass
-Dual electric horns
-Interval wipers
-Mirrors, telescopic trailer tow with power adjustable flat glass and manually adjustable convex
-ICC marker lights (Installed by vehicle converter)
-Halogen headlights with daytime running lights
-Chrome-plated front bumper
-Auxiliary idle control
-Auxiliary heat/AC connections
-Front license plate bracket

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

30909 **BATTERIES:**

The vehicle shall be equipped with two (2) batteries (1-750 cca and 1-650 cca) on a roll-out tray in the lower curbside battery compartment. This design will allow for a total of 1,400 cca.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

31048 **ALTERNATORS:**

A single 225 amp O.E.M. Motorcraft alternator shall be installed by the chassis manufacturer. The alternator shall be internally regulated.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

31122 **WARRANTY:**

The chassis manufacturer's standard vehicle warranty policies shall apply.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

31164 **CHASSIS INTERIOR COLOR:**

The chassis interior shall be O.E.M. gray.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

31373 **CHASSIS HARDWARE AND ACCESSORIES:**

The items to follow represent chassis modifications, hardware, and accessories that are required. Failure to provide these features will be cause for rejection of the bidder's proposal as being non-responsive.

31477 **STAINLESS STEEL WHEEL COVERS**

Stainless steel DOT approved wheel inserts shall be installed on all four outside wheels of the chassis.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

31737 **MUD FLAPS, REAR:**

The vehicle converter shall install individual rubber mud flaps behind each rear wheel. The mud flaps may incorporate the converter's corporate logo provided that the logo is incorporated into the rubber material and not a separate piece. SET BACK 12" ON BODY;

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

31947 **DOCK BUMPERS, REAR:**

The rear step end caps shall include two heavy duty rubber dock bumpers installed on the outer face of the diamond plate. These bumpers shall serve to protect the diamond plate from damage due to minor contact.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

32225 **REAR STEP/BUMPER REINFORCEMENT:**

The end caps of the rear step shall be reinforced for added impact protection. The reinforcement shall tie into the chassis framework via a 1.5" x 3" x .357" aluminum channel. The top of the channel shall be trimmed with polished aluminum diamond plate for appearance purposes.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

32649 **DIAMOND PLATE RUNNING BOARDS:**

Diamond plate running boards shall be installed on each side of the cab at the cab entry points. The running boards shall be .125" thick 3003-H14 alloy polished aluminum diamond tread plate. The design of the running boards shall incorporate grip strut inserts, welded into place, for better foot traction and drainage. They shall include a splash shield at the forward end to protect the vehicle from spray and road debris.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

33410 **REAR STEP/BUMPER ASSEMBLY:**

The rear of the vehicle shall be equipped with a step/bumper assembly to be fabricated from .125" polished aluminum diamond Treadplate. The assembly shall be spaced out from the rear kick plate a minimum of 1.5". The center section of the assembly shall pivot up and over center on two (2) .5" bolts to stay in the 'up' position. This section shall be a minimum of 9.5" deep and shall be constructed with grip-strut on the stepping surface to provide for better footing. The ends of the assembly shall be fixed diamond tread plate. The distance between the top of the step and the ground shall not be less than 16". The fold-up portion of the step shall be firmly held down with two (2) pin and socket holders to prevent rattling while the vehicle is in motion.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

33450 **CHROME EXHAUST PIPE EXTENSION**

Install a chrome exhaust pipe extension.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

33661 **AM/FM/CD PLAYER:**

The OEM AM/FM/CD player shall be installed in the cab and wired to the OEM cab speakers. This unit shall also be capable of being wired to patient area speakers should they be required within this specification.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

33791 **RECHASSIS:**

This section provides detail of the work to be performed in relation to the body being remounted onto the chassis described above.

34213 **AMBULANCE RECHASSIS:**

The vehicle manufacturer shall remount the purchaser's existing ambulance body onto a new chassis as detailed above. All other refurbishment work, as detailed throughout this specification, shall be performed in addition to the remounting of the body. The body shall undergo a thorough inspection during this process and any areas of concern must be brought to the attention of the purchaser prior to work being performed.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

34681 **BODY ATTACHMENT:**

The manufacturer shall install all new body mounts that match the mounts on the existing unit. The mounts provided, in addition to duplicating the original mounts, shall have been subject to Hygee sled testing of not less than 30Gs. Any exception to this requirement may cause the bid to be rejected.

In addition to the requirements listed above the manufacturer shall also install all new cab to body seal or bellows as may be applicable for the chassis specified.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

34965 **DOOR HANDLE UPGRADE:**

The exterior entry door handles as listed below are to be upgraded to new TriMark 2200 Series chrome finish handles. The linkages, interior latching mechanism, interior bezel, and interior door panel are to be replaced with new as well.

Doors: Side entry and both rear entry doors;

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

35094 **SPECIAL INSTRUCTION, BODY MODIFICATIONS**

BIDDER TO PROVIDE A 2007 HORTON MODULAR BODY ALL ALUMINUM INCLUDING INTERIOR CABINETRY, IN CONJUNCTION WITH THIS REMOUNT PACKAGE!

35182 **MODULE BODY HARDWARE:**

The following section lists hardware items that are to be installed on the vehicle body.

35386 **COMPARTMENT AND ENTRY DOOR SEALS:**

The manufacturer shall replace all body door seals with new. These seals shall be inserted into the grooves on the door frames without the use of glue. Seals installed on the door openings are prohibited.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

35682 **SPLASH SHIELDS:**

The current stainless steel splash shields on the lower front face of the body are to be replaced with new stainless steel splash shields with a #8 mirror finish and shall match the height of the diamond plate corners guards that are to wrap around the lower corner posts on the side of the body.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

36009 **STAINLESS STEEL FENDERS:**

New polished stainless steel fender flares shall be installed above each wheel well opening. The mounting of these flares shall provide for no contact between the stainless steel fender, fasteners, and the aluminum body skin. This is done to eliminate any contact between dissimilar metals and the electrolysis that may result.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

36421 **REPLACE STAINLESS STEEL RUB RAIL:**

New polished stainless lower body rubrails shall be installed as noted below. Each rail shall be securely installed yet simple to remove and replace in the event of damage. Each rail is to be a three piece assembly to include a channel style rub rail and two removable end caps. These rails are to have a #8 mirror finish. Rubber rub rails are not acceptable to this purchaser.

Locate: All 2 front and 2 rear;

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

36633 **REPLACE DIAMOND PLATE CORNER GUARDS:**

The diamondplate corner guards are to be replaced with new material as noted below. The design of the guard is to be identical to the existing guard and is to be made from polished aluminum diamondplate material.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

36949 **REAR ACCESS DOOR HOLD-OPEN DEVICES:**

Cast Products "Grabber" style rear door hold-open devices shall be installed to maintain the rear access doors in the 'open' position. One loop shall be installed on each door, and the appropriate socket shall be installed on the body. These devices are to be chrome finish in lieu of Cast Products' standard finish.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

37284 **REPLACE THE DIAMOND PLATE RISER:**

The rear diamondplate riser between the bottom of the rear entry door opening and the bottom of the body is to be replaced. The replacement material shall be poloshed aluminum diamondplate to match the material elsewhere on the body. The manufacturer shall include any necessary holes to accommodate other items installed in this area.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

37399 **SERVICE COMPARTMENT AND ENTRY DOOR HARWARE:**

All body door panels shall be removed. All door latch hardware is to be replaced with new updated trimark hardware!

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

37592 **CONCEALED DOOR LOCK SWITCH:**

A concealed weatherproof switch shall be installed as indicated below to operate the power door locks specified above. The switch shall be wired to unlock only.

Locate: CHASSIS GRILLE AREA;

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

37686 **DOOR LOCKS WIRED THROUGH OEM SWITCHES:**

The power door locks specified above are to be wired to the O.E.M. chassis door lock switches.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

37755 **PAINT AND STRIPING:**

Vehicles paint and striping requirements, as needed, as listed below:

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

38138 **REPAINTING OF THE BODY:**

The manufacturer shall perform the following work on the body exterior:

1. Remove all body doors, door handles, hinges, windows and hardware
2. Sand body and doors
3. Acid etch body and doors
4. Apply conversion coating
5. Repaint body and doors per color instructions listed below
6. Reinstall doors, door handles, hinges, windows and hardware unless new parts are specified

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

39269 **PAINT:**

An acrylic urethane paint process is required on the module body. This process shall extend to the chassis if the vehicle converter must perform paint or body work to the chassis. The acrylic urethane process is required so that the highest possible gloss will be provided. Acrylic urethane possesses superior color and luster retention characteristics when compared to other types of paint. In addition, an acrylic urethane process provides a higher resistance to chemical sprays, salt sprays, humidity, and temperature changes. Lastly, this process, given the expected life of the vehicle and its heavy-duty cycle, will best resist chipping. The final paint application shall be free of material application imperfections such as orange peel, streaking, or a dull finish. Once painted, the vehicle shall be inspected under a black light to bring any small imperfections, not seen with the naked eye, to attention. Any such imperfections shall be repaired prior to the conclusion of the paint inspection process. The final application shall provide a high gloss on all body surfaces including the roof and excluding the underside.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

40671 **PREPARATION:**

To produce an acceptable paint finish, the following paint process must be used:

All existing paint and other finish residue must be completely removed from the body exposing bare aluminum. All body doors and hardware must be removed prior to any wash, prime, or final paint application. All material impurities and oils must be removed from the bare aluminum body. The entire module body, excluding the underside, will have all visible welds ground down and all material imperfections filled. All holes (e.g. for hinge mounting, etc.) shall be plugged at this stage to prevent any cleaning agents from entering the module body framework. The body shall be prepared for paint by spraying with a phosphoric acid-based cleaner to remove dirt and oil and to etch the body for superior paint adhesion. The application of the cleaner shall be followed with a water rinse. Next, a chromium-free titanium composite coating shall be applied to the body to enhance paint adhesion and to prevent corrosion. The body shall be rinsed with de-ionized water to prevent salts from accumulating on the surface. The body will, then, be baked dry prior to the application of three (3) coats of Sikkens Colorbuild primer. The primed body shall be finish sanded and made ready for the final paint application. All module doors, though handled separately from the body, shall undergo the same process as described above.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

41097 **PAINT MANUFACTURER'S INSPECTIONS:**

The manufacturer shall maintain an outside paint audit system. As part of that audit the paint manufacturer shall regularly receive and test sample paint panels that are painted along with module bodies. The paint manufacturer shall also provide regular onsite inspections of the vehicle manufacturers paint process to assure a consistent level of quality. Audit reports from these inspections shall be provided to management.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

41416 **ADDITIONAL CORROSION PREVENTION MEASURES:**

All locations where fasteners penetrate the outer skin of the module body shall be coated with ECK anti-corrosion agent. In addition, all fasteners that penetrate the outer skin of the module body shall be treated with an anti-corrosion agent to assure the maximum protection against vehicle corrosion and electrolysis.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

41711 **NON-METALLIC HOLE INSERTS:**

All locations where light heads and fenders attach to the aluminum body shall utilize threaded Nylon inserts to isolate the fasteners from the aluminum module body skin and structure. This practice, along with the other measures described above, shall act to minimize the threat of electrolysis.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

42099 **PAINT WARRANTY:**

The paint warranty provided by the converter must meet all warranty standards as set forth elsewhere within this specification. At a minimum this warranty will be 4 years/48,000 miles. The warranty MUST NOT be prorated in any manner. Bidder must submit a manufacturer's paint warranty certificate with the bid. Failure to do so will result in automatic rejection of the bidder's proposal.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

42181 **CHASSIS PAINT COLOR:**

The OEM chassis manufacturer's bright white paint shall be ordered on the chassis.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

42244 **STRIPE CHASSIS TO MATCH ORIGINAL:**

The new chassis shall be striped to match the original vehicle.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

42776 **VEHICLE STRIPING:**

A special paint stripe shall be applied per the paint process description above. The stripe design shall match the photographs, diagrams, and/or drawings as provided by the purchaser as may be required. The successful bidder shall provide, prior to any paint application, CAD drawings that depict the required stripe as it will appear on the finished vehicle. The paint color and number shall be as follows:

Stripe #: BELTLINE WITH WHITE INSERT;
Paint Color: RED
Paint Number: TO BE DETERMINED;

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

43003 **SAMPLE PAINT PANEL:**

The successful bidder shall provide a painted test panel, prepared with the specified paint color and number. This process shall confirm correct paint selection, and acceptable color match with the purchaser's current vehicles.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

43092 **CABINET DOORS, PLEXIGLAS, HANDLES AND HARDWARE:**

Information relative to interior door materials, handles, and hardware is provided below:

43533 **INTERIOR CABINET INSPECTION AND REPAIR:**

All Interior cabinet latches, hinges, doors, handles, sliders, hardware and trim shall be inspected. Should any parts be recommended for replacement, then the bidder must inform this agency of any additional cost prior to the work being performed. Please note that replacement hardware, if required, should match the existing hardware. Failure to match the existing hardware must be explained in detail as an exception to this specification.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

43701 **INHALATION PANEL CLOSEOUT:**

A D/A finished aluminum panel will be installed on the bottom of the inhalation panel. The close-out will include a hinged-down door for access to the O2 bypass valves.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

43796 **INTERIOR COLORS, UPHOLSTERY AND SEATING:**

Any required modification/refurbishment of the patient area interior is listed in detail below:

43866 **ALUMINUM INTERIOR CABINETS, STREET SIDE:**

Interior cabinetry information is listed within the following section:

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

44062 **BENCH HEAD END:**

The following bench restraint shall be installed at the head end of the squad bench.

INSTALL A VERTICLE RAIL WITH CENTER POUCH AT THE HEAD OF THE SQUAD BENCH TO COMPLY WITH NJ DEPT. OF HEALTH;

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

44159 **ALUMINUM INTERIOR CABINETS, FORWARD WALL:**

Information on the front wall of the module body interior is listed within the following section:

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

44266 **MODULE INTERIOR ACCESSORIES AND TRIM:**

The following section addresses interior accessories and trim features as may be required for this project:

44323 **LIGHTBARS:**

Lightbar information, as may be required, is noted below:

44506 **FRONT LIGHTBAR FOR 96" BODY:**

The lightbar specified below shall be installed per the lightbar mounting instructions that follow. This lightbar shall be a maximum of 86" wide for installation with a 96" wide body.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

44907 **FRONT LIGHT BAR:**

The light bar, as described below, shall be provided per the information listed below. Installation of this light bar on the vehicle shall follow the instructions given under the "Light Bar Mounting" section of this specification.

Quantity: 1
Manufacturer: Whelen
Model: F4X2RORO 55" Freedom Bar; All clear lenses!
Configure:CRL/BL/RL/BL/RL/WL/WL/RL/BL/RL/BL/CRL

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

44973 **ELECTRICAL EMERGENCY VISUAL WARNING SYSTEMS:**

Warning lights are to be installed per the following instructions:

45235 **L.E.D. LIGHTING:**

Whelen 900 Series red super L.E.D. lighting shall be installed per the quantity and location requirements listed below. All lighting is to include the optional chrome flange.

Location:On face of modular body each side of lightbar outer edge;
Lens color:clear

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

45522 **INTERSECTION LIGHTS, SUPER L.E.D. 700 SERIES:**

One pair of Whelen 700 Series super L.E.D. light assemblies with independent side to side flash control shall be installed. One light shall be installed on each chassis front fender. Each light is to include the optional chrome flange. Clear lens is standard for split color light heads.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

45875 **GRILLE LIGHTS, 500 SERIES SUPER LED's TIR6:**

One pair of Whelen 500 series TIR6 Super LED light assemblies shall be provided and installed as grille warning lights. The installation shall be done in such a way as to not impede airflow through the chassis manufacturer's O.E.M. grille. Aftermarket, modified, or improvised grille work will not be acceptable. The required lens color is listed below.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

45995 **GRILLE LIGHT HOUSINGS FOR 500 SERIES TIR6 LIGHTS:**

Grille light housings for 500 series TIR6 LED lights are to be installed on the front of the chassis in the grille area.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

46103 **SPECIAL INSTRUCTION, VISUAL EMERGENCY WARNING:**

Change all the lenses out on the emergency lighting, body flashers scene lights, k lights and rear lightbar;

46186 **AUDIBLE EMERGENCY WARNING SYSTEMS:**

The following audible emergency warning features shall be installed on the vehicle:

46277 **TRANSFER EXISTING SIREN HEAD TO NEW VEHICLE:**

The existing vehicle siren shall be transferred to the new vehicle and wired for operation.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

46404 **SIREN SPEAKERS:**

Cast Products #SAD3801-08E35-1 & #SAP3801-08E35-1 siren speakers shall be installed in each outboard end of the chassis bumper.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

46440 **LIGHTING:**

Lighting information is noted below:

46534 **ICC MARKER LIGHTS:**

The existing ICC marker lights are to be replaced with new lights. These lights are to be LED.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

46815 **RUNNING BOARD LIGHTS, WHELEN PAR 16 L.E.D.**

Clear Whelen Par 16 round L.E.D. lights mounted in chrome flanges shall be installed in the front of the module body . Locate in the stainless steel stone guard above the running boards. The lights shall be wired to the chassis door switch and illuminate the step/running board.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

47120 **TAIL LIGHTS:**

Whelen 600 Series L.E.D. tail/brake and turn signal lights, as well as halogen reverse lights, shall be installed on the rear of the module body per the instructions listed below. All six of these lighting assemblies shall include the optional chrome flange.

Locate: each side rear body panel stacked;

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

47199 **ELECTRICAL POWER GROUP:**

Vehicle electrical system instructions are listed within the following section:

47336 **CHASSIS ELECTRICAL HARNESS:**

A new electrical harness shall be installed on the new chassis. This harness will be custom made to mate up to the existing body harness.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

47794 **BATTERY SWITCH:**

A two position 'On-Off' "Master" battery switch shall be installed on the vehicle within easy reach of the driver. This switch shall control power to the converter-added electrical circuits. Items specified to be wired "Battery Hot" shall not be affected by the Master battery switch. Under no circumstances shall this switch control the chassis O.E.M circuitry. All chassis power (ignition, headlights, etc.) shall remain as designed by the chassis builder.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

48117 **REPORT LIGHT:**

Report lighting, as described below, shall be installed within the patient area. The fixture shall be LED. The fixture shall be controlled via a switch on the attendant control panel. This design will allow for simple "one touch" operation while still providing for flexibility in terms of lighting needs.

Quantity: (1)

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

48430 **DIGITAL CLOCK:**

A large face digital 12/24 hr clock shall be provided and installed as noted below. This clock is to be 12V and is to include a lithium battery back-up. This clock is to be self-adjusting and is to include a highly visible red readout. This model includes seconds display.

Locate: Over rear doors

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

48578 **STEP WELL LIGHT:**

A 10.5" LED Vista light strip will be installed on the bench side of the step well. Light to activate with door open through a magnetic door switch.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

49014 **DOME LIGHTS:**

Whelen LED dome lights shall be installed in the patient area ceiling. Quantity and location information is listed below. The lights shall be recessed into the headliner and shall not protrude from the ceiling more than 1". All dome lighting shall be adjustable and shall be controlled via solid state switching at the patient area electrical control console.

Over Cot:	3
Over Squad Bench:	3
Walkthrough:	1

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

49107 **TRANSFER THE EXISTING HAND HELD SPOTLIGHT:**

The existing hand-held spotlight shall be transferred to the new unit.

Locate: cab console

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

49177 **HEATING AND AIR CONDITIONING:**

The following section addresses Heat/AC instructions for this vehicle.

49262 **TRANSFER A/C SYSTEM:**

The manufacturer shall transfer the existing heat/ac unit to the refurbished vehicle.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

49331 **CAB CONSOLE AND COMMUNICATIONS:**

The vehicle communications and console features are designated below:

49663 **FRONT CONSOLE:**

The cab console shall be constructed from aluminum and covered with gray polyurethane elastomeric coating. The console shall provide installation space for radio heads in addition to the standard electrical control panel and siren. The rear section of the console will have three front to rear storage sections for maps, books etc.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

49712 **OXYGEN AND SUCTION SYSTEMS:**

Oxygen and suction requirements are listed below:

49788 **TRANSFER AND RETEST O2 SYSTEM:**

The manufacturer shall transfer and retest the vehicle's existing O2 system.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

50043 **ACCESS TO CYLINDER VALVE FROM PATIENT AREA:**

A clear Plexiglas door shall be provided in the patient area wall for access to the oxygen cylinder valve. The door shall be hinged so that it swings into the oxygen cylinder storage compartment. The opening shall be trimmed with anodized aluminum edging.

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____

50090 **LETTERING:**

Lettering information is noted in detail below:

50554 **LETTERING DESIGN:**

This specification calls for lettering to be supplied and installed by the successful bidder. The lettering layout is summarized within this section and broken down by location in the sections below. Information relative to lettering material, size, color, font, or any other special requirements is also listed in the following sections. The lettering layout is to be as follows:

Color: Computer cut gold leaf lettering package to match existing shamong units;

Above section bid exactly as written: _____
Section not provided: _____
Bidder is offering an alternative to this section: _____