

**VILLAGE OF ASHWAUBENON, WISCONSIN**  
**Ashwaubenon Public Safety Department**  
**REQUEST FOR QUOTE**  
**AMBULANCE**



<b>Request for Quotation (RFQ) Schedule of Events</b>	
<b>August 4, 2021</b>	RFQ issued to Vendors
<b>August 18, 2021</b>	Questions from Vendors due (written only)
<b>August 20, 2021</b>	Addendum issued (if required)
<b>September 7, 2021 11:00AM</b>	DUE DATE FOR RFQ (by <b>11:00AM</b> CST, opened in Village Hall, Conference Rm A, 2155 Holmgren Way, Ashwaubenon WI 54304)
<b>November 24, 2021</b>	Projected award notification date (pending the approval from the Ashwaubenon Village Board 2022 Budget).
<b>Method of submittal (Five sets)</b>	<b>SEALED</b> envelope only, by mail, delivery or in person. No fax or email. Submit five (5) complete sets of all documents.  <b>Sealed bid openings are at 11:00 a.m. for quotes issued from the Village of Ashwaubenon Clerk's Office. Any bid received after the time specified cannot be considered.</b>
<b>Submit Quotes to</b>	Kris Teske Village of Ashwaubenon Clerk's Office 2155 Holmgren Way, Ashwaubenon, WI 54304
<b>Purchasing email and fax</b>	E-mail: <a href="mailto:bmurphy@ashwaubenon.com">bmurphy@ashwaubenon.com</a> Fax Number: 920-492-2986 Brian Murphy, Commander: (920)-593-4480 (office); (920)-655-6449 (cell)

Although every effort will be made to follow this schedule, the Village reserves the right to modify the dates as necessary and to accommodate special circumstances. All RFQ's are due by the time specified. Any RFQ received at the designated location after the required time and date specified for receipt shall be considered late and non-responsive.

## GENERAL CONTRACTUAL INFORMATION AND INSTRUCTIONS TO BIDDERS

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The Village of Ashwaubenon is soliciting responses to our Request for Quote (RFQ). This section lists basic information and instructions. All Vendors are expected to read this section thoroughly to ensure full understanding of the conditions which responses should be made. Thank you for the time and effort you put forth in responding. We sincerely look forward to hearing from your company.

**QUESTIONS:** All questions or clarifications should only be directed in writing via mail, fax or e-mail to Don Riha as noted on page one (1), before the designated deadline for written questions. Questions received after that date may not be responded to. Any contact or attempt to contact any other employee of the Village of Ashwaubenon this RFQ may result in the immediate disqualification of the Vendor. Oral and other interpretations or clarifications will be without legal effect. Only questions answered by formal written addenda will be binding.—

**SEALED QUOTATIONS:** Documentation must be received at the office of the Village Clerk on or before the due date noted above between the hours of 8am and 4:30pm, Monday – Friday. Quotations shall be in your envelope clearly marked with the Vendor's name and return address. Facsimile or e-mail submitted quotations will not be accepted. Responses received after the deadline cannot be considered and will be returned unopened. Village shall not be responsible for delays occasioned by the U.S. Postal Service, the internal mail delivery system of the Village, or any other delivery method employed by the Vendor.

**ADDENDA:** Questions will be responded to in the form of written addenda to all Vendors. It shall be the responsibility of each Vendor, prior to submitting their quote, to determine if addenda were issued, each addenda issued shall become a part of the contract documents and shall be acknowledged and dated on the bottom of the Quote Signature Page.

**NON-RESTRICTIVE SPECIFICATIONS AND VENDOR ALTERNATES:** Specifications are intended to define the general level of quality and performance of this purchase and not to restrict competition. Vendors may offer one or more alternates with lesser or greater features; however, the Village reserves the right to make the selection based on the best interest of the Village. Vendors offering alternates shall submit, with their quote, an itemized comparison with this specification, documenting equivalence for quality, performance, etc. ALL SUCH ITEMIZED LISTS SHALL BE PRESENTED IN THE EXACT SAME ORDER AS THE SPECIFICATIONS AND SHALL REFERENCE THE ITEM NUMBER. Failure to identify exceptions or deviations in this manner may be a basis to declare the quote as non-responsive. If in your opinion, any of the specifications, terms, and conditions of this RFQ prevents you from offering a quote, consideration will be given to a vendor's request for change.

**QUOTATION OPENING:** Quotations will be publicly opened and read on the quotation due date and in the Conference Room A noted above, Village of Ashwaubenon, 2155 Holmgren Way, Ashwaubenon, WI 54304.

**QUOTATION EVALUATION PROCEDURE:** An evaluation team, comprised of Village staff, will evaluate, and select the low, responsible, and responsive quote. A supplier's submission of a quotation constitutes their acceptance of the evaluation technique and their recognition and acceptance the evaluators will use their judgment in making a determination.

**APPEALS PROCESS:** Protest of this award or recommendation of award shall be made in writing and received in the Clerk's office within 72 hours after the posting of intent to award and evaluation tabulation. A written protest must contain a specific legal basis for appeal, precise statements of the relevant facts, an identification of the issue to be resolved and authorities in support of the protest. Appeals not containing the necessary information or not filed on a timely basis shall be rejected. Appeals shall be addressed to the Village Clerk.

**TERMINATION OF CONTRACT:** The Village may terminate the resulting contract at any time by a notice in writing from the Village to the Vendor. If the Village terminates the contract with the Vendor, the Vendor shall be entitled to receive payment for work completed up to the date of notice.

**REFERENCES:** Vendors are to include a list of three (3) municipalities or customers to be used as references. These references should be current customers utilizing services similar to those requested. The Village may make such investigation as is necessary to determine the ability of the Vendor to fulfill service requirements.

**COMPLETE INFORMATION:** Vendors shall submit all specifications or requirements included within the provisions of the Contract prior to the quotation opening. Failure to enclose all necessary attachments by the time the quotations are opened may disqualify the Vendor from being awarded the contract.

**SUBSTANCE ABUSE PREVENTION:** The Village recognizes and supports drug free workplace programs as an important element in the national strategy to reduce the devastating effects of drug and alcohol abuse in our society. The Village urges contractors, subcontractors, suppliers, and vendors to establish and enforce drug free workplace policies and programs.

**STATEMENT:** The possession, use of, distribution or purchase of illegal drugs, or use of alcohol at work by any contractor employee, Village construction job sites, is strictly prohibited. The terms of this Substance Abuse Statement will cover all construction personnel who are working on Village job sites.

**MISCELLANEOUS CONDITIONS**

- **RIGHT TO ACCEPT/REJECT:** The Village reserves the right to accept or reject any or all quotations or to waive any technicality, and accept any quotation deemed to be in the best interests of the Village.
- **FINANCIAL COMMITMENTS:** All financial commitments by the Village are subject to the availability of funds approved by the Ashwaubenon Village Board.
- **INCURRING COSTS AND RESERVE RIGHT TO CANCEL:** The Village will not be responsible for any expenses incurred by any vendor in the development of a response to this RFQ, including any onsite (or otherwise) interviews and/or presentations, and/or supplemental information provided, submitted, or given to the Village and/or its representatives. Further, the Village shall reserve the right to cancel the work described herein prior to issuance and acceptance of any contractual agreement/purchase order by the recommended vendor even if the Village Board have formally accepted a recommendation.
- **RIGHT TO CANCEL:** The Village reserves the right to cancel this agreement and any resulting agreement at any time with 30 days written notice.
- **FIRM PRICING:** Offered prices shall remain firm for a minimum of **90 days** after the due date of this solicitation to allow evaluation and award determination, unless indicated otherwise. Once awarded, prices shall remain firm for the duration of the contract. Prices **MUST** also be free of federal, state, and local taxes unless otherwise imposed by a governmental body, and applicable to the material on the quotation.
- **STATUTORY INFORMATION:** Any purchase agreement resulting from this RFQ shall be construed in accordance with the laws of the State of Wisconsin. Any litigation between the parties arising out of, or in connection with the contract shall be initiated either in the court system of the State of Wisconsin or the United States District Court for the Eastern District of Wisconsin.  
All project participants, consultants, engineers, and vendors, must comply with all applicable Federal, State, and local laws pertaining to contracts entered into by governmental agencies, including non-discriminating employment. Contracts entered into on the basis of submitted quotations are revocable if contrary to law. It shall be understood any quotation and any/all referencing information submitted in response to this RFQ shall become the property of the Village and will not be returned. The Village will use discretion with regards to disclosure of proprietary information contained in any response but cannot guarantee information will not be made public. As a governmental entity, the Village is subject to making records available for disclosure.
- **NONDISCRIMINATION:** In connection with the performance of work under this Agreement, the Contractor agrees not to discriminate against any employee or applicant for employment because of age, race, religion, color, marital status, sexual orientation, sex, disability, national origin, or ancestry. This provision must be included in all subcontracts.
- **ASSIGNMENT OR SUBCONTRACT:** Neither party shall assign any right or interest, nor delegate or subcontract any obligation owed without the written consent of the other.
- **INDEPENDENT CONTRACTOR STATUS:** The Contractor agrees it is an Independent Contractor with respect to the services provided pursuant to this Agreement. Nothing in this Agreement shall be considered to create the relationship of employer and employee between the parties.
- **NON-COMPLIANCE:** Submission of a quotation constitutes confirmation that your firm is not presently on any lists maintained by the Wisconsin Department of Administration, or any other State or the Federal Government, for non-compliance with any requirements, including equal opportunity and/or affirmative action.
- **PATENT INFRINGEMENT:** The Vendor shall indemnify and hold harmless the Village of Ashwaubenon, and all persons acting for or on their behalf from all suits and claims against them, or any of them, arising from or occasioned by the use of any material, equipment or apparatus, or any part thereof, which infringes or is alleged to infringe on any patent rights. In case such material, equipment, or apparatus, or any part thereof, in any such suit is held to constitute infringement, the Vendor, within a reasonable time, will at its expense, and as the agencies may elect, replace such material, equipment or apparatus with non-infringing material, equipment, or apparatus, or remove the material, equipment, or apparatus, and refund the sums paid, therefore.

## **INSURANCE REQUIREMENTS**

Each Vendor must submit with their bid proposal a Certificate of Insurance listing the proposed manufacturer's product liability insurance coverage. Liability insurance shall be a minimum amount of \$5,000,000.00 with coverage attained with a minimum of \$1,000,000.00 underlying insurance and \$4,000,000.00 umbrella coverage. The Certificate shall name the apparatus manufacturer, insurance company, policy number, and effective dates of the insurance policy. Bids submitted without the required Certificate, or for Certificates listing less than \$1,000,000.00 of underlying coverage, plus the \$4,000,000.00 umbrella coverage, will be considered non-responsive and automatically rejected. No exceptions are allowed to the minimum insurance coverage requirement.

The manufacturer shall maintain full coverage on the purchaser's cab and chassis from time of first possession by the manufacturer until the apparatus is delivered and accepted by the purchaser. No exceptions. Purchaser reserves the right to require proof of insurance from the manufacturer's insurance carrier prior to entering into a contract for the apparatus.

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# Ashwaubenon Public Safety

One (1)

GENERAL CONDITIONS

Y\_\_\_N\_\_\_

**PURCHASER:** The "Purchaser" who is hereinafter described as an individual, or a group of individuals who represent the interest of a Village and has been charged with the responsibility of purchasing one or more emergency medical ambulance(s).

**Vendor:** The "Vendor" is hereinafter defined as the ambulance manufacturer and/or it's authorized Representative/Dealer.

## **VENDOR'S INSTRUCTIONS**

Vendors shall thoroughly examine all drawings, specifications, schedules, instructions, and any other documents supplied as part of this invitation to quote and shall make all investigations necessary to thoroughly inform themselves regarding the content of the written specifications, drawings, and instructions supplied herein. No plea of ignorance by the vendor pertaining to the content of the specifications, drawings, schedule, or instructions will be considered by the purchaser on the deadline, if bid submission has occurred. Failure or omission on the part of the vendor to make the necessary examinations and investigations into the content of the specifications AND make all clarifications or explanations of exceptions and conditions that exist or that may exist hereafter shall NOT be accepted as a basis for making variations to the requirements of the purchaser or compensation to the vendor.

**CLARIFICATIONS:** Clarifications shall be written correspondence between the vendor and the purchaser. A clarification shall include the page number, paragraph number, the text with unclear content (as written in the specification) and the definition of the clarification provided.

The Purchaser's clarifications shall be documented in writing and distributed to all qualified vendors at least two business days prior to the deadline for quote submission.

**EXPLANATION OF EXCEPTIONS:** Vendors may take exceptions to any part of the quote contained herein with a written itemized schedule. The schedule shall include the page number, paragraph number(s), the text that the vendor feels he cannot comply with and an explanation why the vendor feels that the requirement is not in the best interest of the purchaser AND/OR an alternate vendor solution. Alternate vendor solutions may be considered by the purchaser, if the vendor can show the purchaser that the alternate solution is, in quality and quantity, equal to OR better than the specified item. Explanations of exceptions taken must be documented and submitted with the quote proposal on or before the quote submission deadline.

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## **PURCHASER'S INTENT**

The intent of the specifications supplied herein is to purchase an ambulance with the highest level of quality and engineering excellence. The intent of this vehicle is centered on the patient's need for pre-hospital care, in conjunction with a safe working environment for the Emergency Medical Personnel. Purchaser intends to make purchase binding upon final approval of Budget Approval by the Village of Ashwaubenon Board of Trustees. This Bid remains open until such time as the Village Board approves the release of funds for purchase of specified ambulance(s).

## **NO ALTERNATE QUOTES TAKING TOTAL EXCEPTION**

QUOTE PACKAGES SHALL NOT TAKE TOTAL EXCEPTIONS: Vendors are required under this quote invitation to give, for the consideration of the purchaser, a proposal that will comply with the written specifications, drawings, and schedules supplied herein. The specifications supplied represent a compilation of input from all disciplines of users, patients, maintenance, and management personnel who are directly affected by the vehicle performance. All the personnel who have direct working contact with the vehicle specified herein base careful consideration pertaining to safety, configuration, construction, and workmanship on working experiences. The intent of this ambulance was created as a result of resolving issues and improvement suggestions that have originated from the personnel most QUALIFIED to make such input.

The purchaser makes no claim that potential issues or improvements are included in the specifications supplied herein. The purchaser will consider any valid concern by any vendor and will consider only minor specification exceptions or alternates of equal or better performance, provided that the exceptions are steered toward meeting the intent AND the exceptions are submitted with the final quote proposal on or before the quote deadline.

**CAUTION:** A vendor who submits a quote that takes "Total Exception" and makes an offering of some "Standard" or "Stock" unit will be viewed by the purchaser as a vendor who did not make, and is not prepared to make, a valid quote, and is not qualified to manufacture the ambulance as specified herein. Alternate quotes shall NOT be considered.

## **INTER-AGENCY AGREEMENTS (PIGGY-BACK)**

It is the intent of this quote document to make available to other government entities, by mutual agreement with the successful vendor, the right to purchase the same or like equipment and or products, at the prices quoted for the period of the contract. Each vendor shall indicate in the quote proposal, if the vendor will honor other political subdivision's orders, in accordance with contract terms and conditions. This procedure is sometimes identified as a "Piggy-Back" quote.

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## **VENDOR QUALIFICATIONS**

Regardless of chassis purchased, all vendors shall be members in good standing of the Ford Motor Company Qualified Vehicle Modifier Program (Q.V.M.). Certification verification shall be provided with the quote response. If for any reason the Q.V.M. Certification was withdrawn or suspended by Ford Motor Company within the past five years, the vendor shall supply a full written explanation of the Q.V.M. withdrawal or suspension and any corrective actions taken to regain Q.V.M. Certification.

## **PRODUCT LIABILITY INSURANCE**

A Certificate of current liability insurance, in the amount of Ten Million Dollars. The certificate of insurance shall bear the insurance carrier's name, address, and phone number. The Certificate shall also bear the name and address of the insured. This document shall contain the coverage schedule, explaining the type of insurance, the policy number, the effective date of coverage, the policy expiration date, and the individual limits of liability.

## **CHASSIS POOL**

The vendor shall be a member of the Ford Motor Company's and/or the General Motor Company's Chassis Bailment Pool, regardless of the chassis specified within this specification. The vendor shall provide a current Ford Motor Company and/or General Motor Company's Pool account number to the purchaser upon request.

## **KKK-A-1822F TESTING CERTIFICATION**

The vendor shall provide documentation within this quote proposal, which verifies that all KKK-A-1822F testing is current and certified by an independent engineering firm.

## **QUALITY ASSURANCE - SPECIFICATION COMPLIANCE**

The manufacturer shall inspect and test all systems and electrical loads per Federal specification KKK-A-1822F Section 4. Testing results shall be documented and displayed in the oxygen compartment and supplied with the vehicle delivery handbook.

## **NON-COLLUSIVE BID CERTIFICATION**

By submission of this quote response, the Vendor and/or vendor's authorized representative(s), certify under penalty of perjury, to the best of their knowledge and belief the following:

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A. The prices in this quote response have been arrived at independently without collusion, consultation, communication, or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other vendor or with any competitor, and;

B. Unless otherwise required by law, the prices which have been quoted in the quote response have not knowingly been disclosed by the vendor and will not knowingly be disclosed by the vendor, prior to the public quote opening, either directly or indirectly to any competitor, and;

C. No attempt has been made or will be made by the vendor, for the purpose of restricting competition, to induce any person, partnership, or corporation not to submit a quote response.

## **DEBARMENT STATUS**

By submission of this quote response, the vendor and/or its authorized representatives, certify under penalty or perjury, that to the best of their knowledge and belief they are not currently debarred from submitting quotes or quoting on contracts from any agency within the home state of the purchaser, nor are they an agent of any person or entity that is currently debarred from submitting bids on contracts by any agency within the home state of the purchaser.

## **DELIVERY STATEMENT**

The vendor shall state the number of calendar days required for delivery of the completed ambulance, after receipt of an order and receipt of chassis by the manufacturer.

Delivery shall be within   150   calendar days after receipt of order and receipt of chassis. (State number of calendar days)

## **REQUIRED DELIVERY ITEMS**

REQUIRED DELIVERY ITEMS: Upon a successful quote award, the vendor shall provide the following to the purchaser, upon ambulance delivery:

1. Manufacturer's Quality Assurance Vehicle Testing and acceptance documents.
2. One (1) copy of conversion parts, service, and operational manuals.
3. OEM Chassis Owner's Guide materials as provided by the chassis manufacturer.
4. Two (2) copies of "as built" customized electrical schematics for the ambulance conversion.



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## PURCHASER'S RIGHTS

**ACCEPTANCE OR REJECTION:** The Purchaser reserves the right to accept or reject any and all quotes as deemed to be in the best interest of the purchaser and is not bound to accept the lowest quote.

**QUOTE PROPOSAL TIME LIMITS:** All quotes submitted to the purchaser shall remain in effect for a minimum period of (180) one hundred eighty calendar days.

**QUOTE WITHDRAWAL:** Only written quote withdrawal requests will be accepted by the purchaser. Quote withdrawals received less than (3) three working days prior to the advertised quote opening will not be accepted.

## CHASSIS

One (1) TYPE I - AMBULANCE - 72" INTERIOR HEIGHT Y\_\_N\_\_

**SPECIFICATION INTENT:** Type I 169-inch module, constructed with not less than a 72-inch interior module height.

- CHASSIS FORD OR GENERAL MOTORS – 4X4 – DIESEL ENGINE

## POWERTRAIN/FUNCTIONAL

One (1) FUEL TANK - FULL UPON FACTORY RELEASE Y\_\_N\_\_

The chassis fuel tank of the completed unit shall be full at time of release from the ambulance manufacturer's facility.

One (1) BATTERY – SYSTEM THAT IS APPROPRIATE FOR A TYPE I AMBULANCE. Y\_\_N\_\_

One (1) ENGINE HOUR METER Y\_\_N\_\_

An engine hour meter shall be provided and installed in the master control console.

One (1) FLOOR CONSOLE - ANGLED FRONT - REMOVABLE PLATES - ALUMINUM Y\_\_N\_\_

A center floor console manufactured out of aluminum and covered in a black scratch resistant, multi-use coating with a clear epoxy finish shall be installed in the cab. The console shall include a raised area to accommodate the display and siren. The lower portion of the console shall consist of a flat area that shall contain two (2) drink holders, and then to the rear center a recessed storage area for maps and reports. The console face plates shall be removable for accessibility and serviceability.

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One (1)	HEAT SHIELDS	Y__N__
	Protective heat shields shall be installed above the exhaust system as recommended by the chassis manufacturer.	
One (1)	HIGH IDLE SYSTEM, AUTOMATIC	Y__N__
	An auto high-idle system shall be provided on the chassis. The high-idle shall be programmed to activate when the transmission is placed in the park position and the parking brake is activated.	
One (1)	MIRRORS, EXTERIOR OEM MANUAL TELESCOPING- REMOTE WITH/CONVEX	Y__N__
	The chassis shall have OEM telescopic trailer tow mirrors with power adjustable flat glass and manual adjustable convex glass. These mirrors shall have the ability to be heated during inclement weather.	
One (1)	RUNNING BOARDS - STAR PUNCHED DIAMOND PLATE	Y__N__
	Running boards with a non-skid surface shall be provided on the cab.	
One (1)	WHEEL SIMULATORS, STAINLESS STEEL WITH VALVE STEM EXTENSIONS	Y__N__
	Stainless steel full wheel simulators shall be provided for the front and the outside rear wheels. Air Max valve extensions shall be provided to properly inflate the inner dual rear tires.	
One (1)	MUD FLAPS	Y__N__
	Mud Flaps to be as far forward as possible behind the rear duals.	
One (1)	ELECTRICAL SYSTEM	Y__N__
	A 100% solid state microprocessor based multiplex system shall be installed to control the electrical functions. The system shall include load management, load shedding, power modulation, load sequencing capabilities and provide on-board diagnostics with real-time status reporting. The system shall consist of one (1) color control console in the cab, one (1) color control console in the patient compartment, four (4) control nodes and a cab warning display with video input and monitoring capabilities.	
One (1)	WARNING DISPLAY	Y__N__
	A digital warning display shall be integrated into the cab display console and programmed through the electrical system to provide visual and audible indications for:  Parking brake set condition  Parking brake release condition	

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Patient status alarm (four color with reset capability)

Individual outside storage compartment "door open" warnings in vehicle outline form.

Low voltage alarm

Low oxygen pressure alarm

One (1) DAYTIME RUNNING LAMPS Y\_\_N\_\_

Headlights shall be activated at 30% intensity, for daytime operation, when transmission is placed in drive, as a feature of the electrical system. (If not standard on the chassis)

One (1) MASTER CONTROL CONSOLE (MCC) Y\_\_N\_\_

A floor mounted Master Control Console (MCC) shall be located in the cab. The console shall house the siren and the color microprocessor display screen, which will control all the Emergency Warning functions as well as also being able to control the Patient Compartment lighting and module heat/ac functions. Mounting solution for computer device.

One (1) ATTENDANT CONTROL PANEL (ACP) Y\_\_N\_\_

The Attendant Control Panel (ACP) shall contain a color microprocessor screen, which will control all equipment installed in the patient compartment, patient compartment lighting and module heat/ac functions.

One (1) ELECTRICAL COMPARTMENT (PDQ) Y\_\_N\_\_

The Power Distribution Quarters (PDQ) shall hold electrical components, (i.e., power distribution nodes, circuit breakers, etc.). The electrical compartment shall be enclosed with a lockable, hinged door, located on the partition wall behind the attendant seat.

One (1) SPARE CIRCUIT Y\_\_N\_\_

Four (4) spare 15amp circuit shall be provided.

One (1) WIRING HARNESS CONNECTORS Y\_\_N\_\_

All wiring harnesses shall be connected via quick connect circular plug connectors.

One (1) RADIO TIE-IN POINTS Y\_\_N\_\_

Radio tie-in points shall be installed and labeled in the lower area of the electrical compartment. The radio tie-in points shall be comprised of insulated terminal stud blocks with one "battery hot" and one "ignition hot".

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One (1)	EMERGENCY MASTER SWITCH	Y__N__
	<p>A single emergency master switch shall be supplied for activating all the emergency warning lights and shall be provided on the master control console screen. The emergency master switch will activate the module power automatically. There shall also be an Emergency Master Menu button which shall allow access to individual warning light functions.</p>	
One (1)	CONTROL PANEL SWITCHES	Y__N__
	<p>The switches on the master control console and attendant control panel screens shall have dimmable perimeter backlighting for easy identification.</p>	
One (1)	MODULE POWER SWITCH	Y__N__
	<p>A module power switch for the electrical system shall be provided on both the master control console and the Attendant Control Panel screens.</p>	
One (1)	MODULE DISCONNECT	Y__N__
	<p>An In-Power disconnect with a built-in adjustable timer shall be installed to keep the module power switch engaged for five minutes, after the ignition is switched to the "off" position. This disconnect can also be activated from the side and rear doorways to turn on patient compartment check-out lights.</p>	
One (1)	VOLTMETER	Y__N__
	<p>One (1) digital voltmeter shall be provided on the master control console screen.</p>	
One (1)	FLASHING HEADLIGHTS	Y__N__
	<p>The headlights (high beams) shall be programmed through the electrical system to alternate flash (wigwag), activated by a switch on the master control console screen labeled "Flashing Headlights", with the ignition on and module power and emergency master switches enabled. The flashing headlights are to be disabled when the low or high beams are activated. They are also disabled when the transmission is placed in the neutral/park position. The flashing headlights shall have the capability to be reactivated with the "park override" switch in the "on" position if the low and high beams are off.</p>	
One (1)	PARK OVERRIDE	Y__N__
	<p>A park override switch, located on the master control console screen, shall reactivate all lights disabled when the transmission is placed in the neutral/park position.</p>	

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- One (1) LOAD MANAGER-SEQUENTIAL SWITCHING SYSTEM Y\_\_N\_\_
- The load manager-sequential switching system shall be controlled by the electrical system. The emergency master switch shall control the sequential switching of the emergency lights and/or other warning devices. The load manager shall automatically shed not-critical electrical loads during low voltage conditions to help prevent electrical system overload when the vehicle is stationary, and the transmission is in the park position.
- One (1) WARNING LIGHTS SWITCH Y\_\_N\_\_
- All flashing module warning lights (including the primary front and rear light bar flashers) shall be operated from a single switch on the master control console screen, labeled "Emergency Lights".
- One (1) TRAFFIC PREEMPTION SWITCH Y\_\_N\_\_
- Activation/Deactivation of the switch on the master control console screen, disabled in PARK.
- One (1) CURBSIDE SCENE LIGHTS "ON" WITH CURBSIDE DOOR Y\_\_N\_\_
- The curbside scene lights shall be programmed to activate when the curbside door is in the open position.
- One (1) REAR SCENE LIGHTS "ON" WITH REAR DOORS OPEN Y\_\_N\_\_
- The rear scene lights shall be programmed to activate when the rear doors are in the open position.
- One (1) REVERSE (TRANSMISSION) FUNCTIONS Y\_\_N\_\_
- The system shall be programmed to provide activation for the rear scene lights, and the rear side scene lights, when the transmission selector lever is placed into "reverse" position.
- One (1) BACKUP ALARM Y\_\_N\_\_
- An (OSHA approved) back up alarm shall be installed with disable switch for silent backing. The disable switch shall be located on the MCC (master control console). The backup alarm system shall automatically reset to the "on" mode when the transmission is taken out of reverse.

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One (1) CAMERA VIEW Y\_\_N\_\_

A color camera system connected to the cab display screen shall be installed, providing rear view monitoring to the rear exterior of the module. This camera image shall automatically be displayed on the MCC display screen when the vehicle is placed in reverse. The display screen shall resume normal operation when the vehicle is taken out of reverse. The second camera will display interior patient compartment upon request of the operator through the MCC. The rear exterior camera shall display on a dash display if chassis OEM allows for it.

One (1) ELECTRICAL CIRCUITS Y\_\_N\_\_

All electrical circuits shall have wiring and circuit protection suitable to the demand and must meet the national electric code (NEC) wiring requirements.

All added on wiring (18 GA through 10 GA) shall be color coded and stamped with code numbers and functions every 4" for easy identification (all other wiring shall be color coded).

Insulated cable shall be used for all under hood / underbody battery and charging system cable. High temperature (375° f) thermoplastic loom shall be used on all harnesses.

One (1) GROUND FAULT CIRCUIT INTERRUPTER (GFCI) Y\_\_N\_\_

A 125 VAC, 20 AMP circuit breaker with ground fault circuit interrupter (GFCI) electronic ground leakage detection shall be installed in the load center for the shoreline circuit.

One (1) INVERTER - 1050 WATT Y\_\_N\_\_

A 1050-watt inverter with battery conditioner/charger, with remote switch, shall be provided and installed.

## LIGHTING

One (1) LIGHT, ELECTRICAL COMPARTMENT (PDQ) Y\_\_N\_\_

A 12 VDC light shall be located in the electrical compartment. The light shall be wired "battery-hot" to activate when the power distribution quarter's door is in the open position. The light shall be off when the door is in the closed position.

One (1) LIGHT OSS COMPARTMENT - LED Y\_\_N\_\_

Each outside storage compartment shall be equipped with two (2) clear LED strip lights, activated by a magnetic switch.

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- One (1) LIGHT, Whelen recessed scene light Y\_\_N\_\_
- One (1) 12 VDC recessed pioneer slimline spotlight mounted on curbside and driver side mid-line module. White housing with chrome bezel.
- One (1) LIGHTS, (10) Whelen DOME LED Y\_\_N\_\_
- Ten (10) Whelen dome lights, shall be provided in the patient compartment. The dome lights shall be controlled by separate switches for the left bank and right bank of lights. There shall be a dimming level of lighting for each side controlled through the electrical system. The dome lights shall be activated by switches on both the attendant control panel and the master control console display screens. The dome lights shall be illuminated whenever the patient compartment side or rear doors are opened.
- One (1) OUTLETS, 125VAC - Five (5) INTERIOR DUPLEX Y\_\_N\_\_
- Six (6) 2-wire +plus ground 125 VAC hospital-grade duplex outlets shall be installed in the patient compartment with wiring connected to the shoreline. Two (2) four-gang shall be installed in the street side action area, both forward. One (1) outlet shall be installed in the upper front wall cabinet curbside lower compartment area. One (1) 125 VAC outlet shall be located in the front wall curbside cabinet adjacent to ALS drawers. One (1) 125 VAC shall be installed curbside rearward. One 125 VAC shall be installed in cab area to be accessed within cab. An indicator lamp shall be located within each 125 VAC outlet as a line monitor to indicate a live circuit. The outlets shall be labeled, "125 VAC".
- One (1) OUTLETS, USB - TWO (2) INTERIOR POWERPOINT Y\_\_N\_\_
- Two (2) USB power point outlets shall be installed in the patient compartment in the attendant control panel area in the street side cabinet.
- One (1) RADIO ANTENNA BASES – TWO (2) / COMPUTER BASE ANTENNA – ONE (1) Y\_\_N\_\_
- Two (2) antenna bases with attached coax cables shall be installed on the module roof. Access to the antenna bases shall be through adjacent module interior dome lights.
- One (1) antenna for computer based wireless modem to be installed on the cab roof.
- One (1) RECEPTACLE SHORELINE INLET-SUPER 20 AMP, AUTO EJECT Y\_\_N\_\_
- A Kussmaul super auto eject shoreline inlet receptacle with red cover shall be installed on the module exterior (forward street side) near the driver's door. The receptacle shall be equipped with an integral dynamic disconnect.
- The 125 VAC, heavy duty 20-amp circuit breaker shall have GFCI protection and shall be connected to the lighted 125 VAC patient compartment outlet(s). A mating connector shall be shipped loose with the completed ambulance.

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- One (1) SIREN, WHELEN 295HFSA7-REMOTE WITH MICROPHONE Y\_\_N\_\_
- A Whelen 295HFSA7 remote dual siren amplifier shall be flush mounted in the master control console located in the cab. The siren shall be capable of hands-free operation and shall be equipped with a noise canceling microphone. Some features of this siren include:
- DUAL 200WATT, FLUSH MOUNT SIREN with REMOTE SIREN AMPLIFIER**
- Six function siren plus radio repeat and public address.
  - Operates two 100-watt speakers.
- One (1) SIREN SPEAKERS, WHELEN SA315P - BEHIND THE GRILLE OR OEM MANUFACTURE SPECIFICATION Y\_\_N\_\_
- Two (2) Whelen dual 100watt siren speakers shall be installed behind the grille area.
- One (1) SYSTEM ACTIVE AND CHECK OUT LIGHTS - 5 MINUTES Y\_\_N\_\_
- A switch shall be located at the curb and rear entry doors that will allow activation of the electrical system. There shall also be a check out light switch located at the curb and rear doors that will allow activation of the LED lights prior to entering the module. The system shall be programmed to shut down automatically after 5 minutes unless the ignition is on. This shutdown delay shall be user adjustable.
- One (1) LIGHTS, ICC / LED CLEARANCE - WITH CHROME BEZELS ON MODULE SIDE Y\_\_N\_\_
- The vehicle shall have surface mounted Whelen LED clearance / ICC lights with chrome bezels: one (1) red on each side at the rear of the vehicle which will also function with the turn signals.
- One (1) LIGHTS, ICC / LED CLEARANCE - WITH CHROME BEZELS ON MODULE FRONT Y\_\_N\_\_
- The vehicle shall have five (5) amber surface mounted Whelen LED clearance / ICC lights with chrome bezels on the front of the module near the roof line.
- One (1) LIGHTS, ICC / LED CLEARANCE - WITH CHROME BEZELS ON MODULE REAR Y\_\_N\_\_
- The vehicle shall have five (5) red surface mounted Whelen LED clearance / ICC lights with chrome bezels on the rear of the module near the roof line.
- One (1) LIGHTS, FRONT GRILLE - (2) WHELEN 500 SUPER LED - RED W/Red LENS Y\_\_N\_\_
- Two (2) Whelen 500 series red super LED warning lights, with red lens and waterproof connectors shall be installed in the grille area of the chassis. The lights shall operate from a switch on the master control console.



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- One (1) LIGHTS, FRONT MODULE WARNING - WHELEN (4) M9 RED LED LENS / (3) M9 WHITE LED with clear lens Y\_\_N\_\_
- Four (4) Whelen M9 series super LED warning lights with chrome bezels shall be installed on the module front. There shall be three (3) White LED lights mounted every other between the RED-light heads. The lights shall operate from a switch on the master control console. The white light heads with shut off in Park.
- One (1) LIGHTS, REAR TAIL - WHELEN M6 LED STOP, TURN, LED BACK-UP Y\_\_N\_\_
- One (1) pair each of Whelen M6 series LED stop/taillights, turn lights, and LED back-up lights with chrome bezels shall be installed on the rear of the module. The stop lights shall be set to signal alert and flicker before turning steady-on. The turn signals shall be programmed to progressively sweep an arrow when the turn signals are activated.
- One (1) LIGHTS, REAR WINDOW-LEVEL - WHELEN (2)M9R LED - RED w/red LENS Y\_\_N\_\_
- Two (2) Whelen M9 series red super LED warning lights with red lenses and chrome flanges shall be installed on the rear of the module at window level, one (1) on each side. These lights shall operate from a switch on the master control console.
- One (1) LIGHTS, REAR MODULE WARNING-WHELEN (2) M9V2 series LED/ M6V2 series Y\_\_N\_\_
- Two (2) Whelen M9V2 series red super LED warning lights with red lens, and one (1) Whelen M6V2 series amber super LED warning light with amber lens shall be installed on the rear of the module. The lights shall be installed with chrome flanges and shall be operated from switches on the master control console labeled "Emergency Lights" and "Rear Scene Lights".
- One (1) LIGHT, LICENSE PLATE LED Y\_\_N\_\_
- One (1) Whelen OACOEDCR LED license plate light with 45 deg angled chrome-plated bezel shall be installed on the rear of the module, lower left side.
- One (1) LIGHTS, INTERSECTION FRONT - WHELEN M7 SUPER LED - RED W/RED LENS Y\_\_N\_\_
- Two (2) Whelen M7 series red super LED warning lights, with RED lens and water-proof connectors shall be mounted, in 15degree tilt housings on the front chassis fenders, one (1) on each side. The lights shall operate from a switch on the master control console.
- One (1) LIGHTS, SIDE MODULE WARNING - WHELEN M9V2 LED-RED W/RED LENS Y\_\_N\_\_
- Four (4) Whelen M9V2 series red super LED warning lights with clear lenses and chrome bezels shall be installed, two (2) each module side, scene lights will activate with opening of doors. These lights shall operate from a switch on the master control console.

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- One (1) LIGHTS, INTERSECTION REAR - WHELEN M7 SUPER LED - RED W/RED LENS Y\_\_N\_\_
- Two (2) Whelen M7R series red super LED warning lights with RED lenses, chrome flanges and water-proof connectors, shall be installed above the rear wheel wells, one (1) on each side. These lights shall operate from a switch on the master control console screen.
- MODULE**
- One (1) MODULE BODY CONSTRUCTION - SEAMLESS Y\_\_N\_\_
- The module shall be fabricated entirely of parts cut and formed from .125" (minimum) thickness flat aluminum sheet stock.
- The floor, roof, sides, and all exterior doors shall be fabricated from .125" (minimum) thick flat aluminum sheet stock. The exterior joints between the roof and side components shall be continuous full seam welded the entire length of the module. All exterior body panel joints shall be continuous full seam welded.
- Exceptions allowed per Manufacturer Highest Standard.
- One (1) CONNECTIONS, CHASSIS TO MODULE Y\_\_N\_\_
- The module shall be bolted to the cab with a minimum grade 5 stainless steel bolts and nylock nuts evenly spaced along the sides and roof of the cab. A weatherproof seal shall be installed between the module and cab. The module body shall be securely fastened to the chassis frame rail with bolts through rubber insulating spacers installed at minimum ten (10) separate locations - (five each frame rail) - providing noise insulation and easy module removal for chassis replacement. The frame mounting bolts shall be properly torqued and secured with Loctite. The system used for fastening the module to the chassis frame shall be approved by the chassis manufacturer.
- One (1) ALUMINUM PARTS - MODULE EXTERIOR Y\_\_N\_\_
- All unpainted exterior aluminum parts shall be bright dip anodized or diamond plate after fabrication to retain the finish and increase corrosion resistance.
- One (1) CORROSION MINIMIZATION - MODULE Y\_\_N\_\_
- All module contact with dissimilar metals shall be minimized with the use of nylon screw-hole inserts to prevent fastener contact with the module body, nylon hinge strips, ceramic coated stainless steel hinge bolts, and corrosion inhibitor spray.
- One (1) DOOR SKINS, OUTSIDE STORAGE COMPARTMENTS - DIAMOND PLATE Y\_\_N\_\_  
INTERIOR SKINS
- The interior door skins for all outside storage compartments shall be constructed minimum of .063" thick aluminum diamond plate.

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One (1) DOOR CONSTRUCTION - GASKET PLACEMENT Y\_\_N\_\_

All exterior hinged module doors shall be constructed in welded aluminum. The design shall be constructed from not less than .125" thick flat sheet aluminum and finished smooth. The exterior door skin shall be constructed of not less than .125" thick aluminum and welded. No self-tapping screws or fasteners will be used during door construction. Door gaskets shall be attached per manufacturer specifications.

One (1) EXTERIOR COMPARTMENTS DESIGN Y\_\_N\_\_

All exterior compartments shall include these features:

- Sound absorbing slip resistant material shall be sprayed on the inside of all compartments and compartment shelving, slide out trays and closeouts.
- Baffled seep holes shall be provided to prevent water from splashing or seeping into the exterior compartments.
- Full-length, two-way adjustable, stainless steel hinges on all exterior compartment doors with at least 3/16" stainless steel hinge pins.
- Compartment doors shall be installed, flush with the module body.
- When double doors are provided, each door shall have an exterior handle, but only the forward door shall be lockable. (Rearward door is secured when forward door is locked). All exterior compartments and passage doors shall be keyed alike.
- Handles will be free floating handles with underlying gaskets.
- Drip rails shall be installed above all exterior compartment doors.

One (1) EXTERIOR COMPARTMENTS, VENTING - ADDITIONAL Y\_\_N\_\_

Adequate venting shall be provided inside all exterior storage compartments to provide for easier closure of the compartment doors.

One (1) EXTERIOR COMPARTMENTS, VENTING - OXYGEN STORAGE Y\_\_N\_\_

Adequate venting shall be provided in the exterior oxygen storage compartment, to dissipate any leaking oxygen gas.

One (1) EXTERIOR COMPARTMENTS - SWEEP-OUT Y\_\_N\_\_

Exterior module compartments shall be of a sweep-out design to aid in facilitation of the purchaser's routine care and cleaning of the vehicle.

All exterior compartment floors, with the exception of the front ALS compartment shall be constructed to be flush with the bottom door frame.

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- One (1) INSULATION - POLYURETHANE SPRAY FOAM Y\_\_N\_\_
- The walls, ceiling, passage doors, outside storage doors, the entire underside of the module floor (except for mounting pads), the underside of the outside storage compartments, the wheel wells, and the underside of the curbside step area shall be completely foam - in - place insulated with nominal 3/4" thick sprayed on class I, urethane foam for thermal and acoustical insulation. The insulation shall comply with FMVSS #302 flame spread requirements. The underside of the body shall be properly prepared to ensure adhesion before the spray insulation is applied.
- One (1) THRESHOLD, STAINLESS STEEL- EXTERIOR STORAGE COMPARTMENT Y\_\_N\_\_
- Each exterior storage compartment with a hinged door, except the battery compartment, shall have a stainless-steel lower threshold at the door opening to protect the paint as equipment is installed and removed from the compartment.
- One (1) MODULE CURBSIDE PASSAGE Y\_\_N\_\_
- The module body shall include a side entry door to access the curbside of the patient compartment. A locking handle shall be installed on the exterior of the door. The door shall be lockable from the inside and outside and shall shut on molded, automotive type door seals to prevent any water from leaking into the vehicle interior. A drip rail shall be installed above the door. The door opening height will be to the highest limit allowed.
- One (1) DOORS - REAR PASSAGE Y\_\_N\_\_
- The door height and width will be the maximum allowed, but not less than 50" wide by 63" tall. The doors shall be flush without a protruding flange or lip. The right rear passage door shall have a lockable, exterior handle. The left rear door shall have a non-locking, exterior handle. All handles shall be installed with a gasket to protect the paint. The hinge shall be full length stainless steel with no less than 3/16" stainless steel hinge pin and shall be two-way adjustable. Each rear door shall have a two-point slam action automotive type rotary latching system to the body.
- The right rear door shall lock to the body at the top and bottom, not to the left rear door. The doors shall have steel door latch activator rods with turn buckle adjusters. The doors shall be lockable from the inside and outside. All door locks will be electric and operated with OEM chassis power locks.
- All doors shall shut on molded automotive type door seals to prevent any water from leaking into the vehicle interior. Each door shall have an access port adjacent to the rotary locks.
- One (1) FENDERETTES - POLISHED ALUMINUM Y\_\_N\_\_
- Polished aluminum fenderettes shall be installed around the rear wheel well openings.
- One (1) HOLD-OPEN - REAR DOORS - GRABBERS Y\_\_N\_\_
- Door grabbers (1 pair) with hard rubber inserts shall be installed on the rear doors, permitting a door hold open position.

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One (1)	LOCKS POWER - PASSAGE, HIDDEN SWITCH-FOB REMOTE	Y__N__
	<p>The locks shall be activated from the interior of the rear door and the curbside doorway, as well as the OEM chassis cab door switches. Install power door locks on module passage doors, and (1) OSS compartment. Install the hidden unlock switch in the driver's side grill, use OEM key fobs. The (1) OSS compartment will be the ALS compartment door. Include cab doors.</p>	
One (1)	MUD FLAPS, REAR - BLACK RUBBER	Y__N__
	<p>Black rubber mud flaps with a minimum 1/4" thickness shall be bolted to the underside of the module behind the rear wheels. The width and length of the flaps shall provide adequate coverage of the rear dual wheels of the chassis.</p>	
One (1)	REAR STEP/BUMPER -FLIP-UP CENTER SECTION -	Y__N__
	<p>The rear bumper shall be affixed to the chassis frame. The bumper shall be constructed with a hinged center section. Two (2) steel braces shall secure the step to the chassis frame. The outer end of the bumper shall be constructed with rounded corners. The step shall be constructed of 8" Diamondback Flip-Up step. Bumper pods will be even with the rear entry step end. Rear kick plate above rear bumper step. Rear kick plate to be tig welded and to be part of the body build. Rear hinge cover must match the kickplate. All diamond plate surfaces shall be bright dip. Rear step installation shall comply with AMD standard 018. A strip of black PVC shall be installed on the face of the step to protect the patient cots during loading.</p>	
One (1)	RUB RAILS, ANODIZED ALUMINUM	Y__N__
	<p>Bright dip anodized polished aluminum rub rails shall be installed on the lower sides of the body below the outside compartment sill areas. The rub rails shall be offset 3/16" from the body to facilitate wash down of road debris.</p>	
One (1)	STEPWELL, CURBSIDE DOORWAY	Y__N__
	<p>A waterproof non-slip coating material stepwell liner shall be installed in the curbside doorway step area.</p>	
One (1)	STONE GUARDS, MODULE FRONT - DIAMOND PLATE (24" H)	Y__N__
	<p>Diamond plate stone guards shall be installed on the lower 24" of the module front, one (1) each side. These stone guards shall be 14" wide.</p>	
One (1)	KICKPLATE/THRESHOLD, REAR DOORWAY – HIGH GRADE ALUMINIUM DIAMOND PLATE	Y__N__
	<p>A high-grade aluminum diamond plate kick plate shall be installed at the rear exterior doorway, providing a kick / scuff plate at the rear of the vehicle above the rear step.</p>	

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- One (1) TOW HOOKS, MODULE REAR Y\_\_N\_\_
- Two (2) tow hooks shall be provided in the rear step area and shall be securely fastened to the vehicle frame.
- One (1) WINDOWS, PASSAGE DOOR - (CURB SLIDING, REAR FIXED, STREETSIDE FIXED) Y\_\_N\_\_
- The streetside wall shall have a fixed window. The curbside passage door shall have a 16x23 sliding window with removable screen. Each rear passage door shall have a 19" x 18" non-openable window. The distance between the rear window glass shall not exceed 6" to assure maximum vision to the rear. The windows shall have a 69% dark tint and shall be secured with black oxide coated fasteners. No warning lights shall be blocked from view when the curbside or rear doors are open.
- One (1) OUTSIDE STORAGE #1 - STREETSIDE FORWARD - OXYGEN STORAGE Y\_\_N\_\_
- #1** (forward street side compartment) shall have as high as allowable height x 18.25" wide clear door opening conforming to door height (not less than 77") x 20 wide x 20.75" deep interior dimensions. This compartment shall provide storage for one (1) "M" oxygen cylinder. The compartment door shall be held open with a spring-loaded gas cylinder. A locking handle shall be installed on the exterior of the door keyed the same as all other exterior compartments. The compartment will have a shelf located to the upper area with a height of no more than 24" from the ceiling. A spring-loaded, hinged acrylic door shall be provided to allow access from inside the patient compartment to the oxygen cylinder valve. A vent shall be provided in the oxygen storage compartment, located in the upper third area of the door, to permit leaking gas to dissipate to the exterior of the vehicle and allow sufficient air flow to cool electronic components. The oxygen cylinder shall be secured to manufacturer electric lift assist device with restraining devices, meeting AMD standard 003, *oxygen tank retention system requirements*. A cylinder changing wrench shall be provided and secured inside the oxygen cylinder compartment. The oxygen cylinder shall be provided by the purchaser.
- One (1) OUTSIDE STORAGE #2 - STREETSIDE CENTER Y\_\_N\_\_
- #2** (street side center compartment) shall have a 48" high x 38" wide clear door opening with double doors and shall have deep interior dimensions. The compartment shall have double doors held open with a spring-loaded gas cylinders. An exterior handle shall be installed on each door. A locking handle shall be installed on the forward door.
- One (1) OUTSIDE STORAGE #3 - STREETSIDE REAR - TALL DOOR Y\_\_N\_\_
- #3** (street side rear compartment) shall have a 60" high x maximum wide clear door opening with deep interior dimensions. This compartment shall have inside/outside access where available. The compartment door shall be held open with a spring-loaded gas cylinder. A locking handle shall be installed on the exterior of the door.

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- One (1) SHELF TRACK - RECESSED - OSS #3 Y\_\_N\_\_
- Unistrut 1-1/4" x 3/4", 19-gauge channel shall be installed in outside storage compartment #3. The track shall be welded in and recessed to reduce the number of fasteners and provide a cleaner look.
- One (1) SHELVES (2) IN OSS #3 Y\_\_N\_\_
- Two (2) adjustable shelves with sprayed on polyurethane material shall be provided and installed in outside storage compartment #3.
- One (1) OUTSIDE STORAGE #4A BOARD/SCOOP, #4B OUTSIDE ACCESS Y\_\_N\_\_
- #4** (rear curbside compartment) shall have split compartments (**#4A / #4B**), with a maximum height x 28" wide clear door opening: compartment **#4A** shall have deep interior dimensions. This compartment shall provide storage for backboards and a scoop stretcher. Install two (2) adjustable shelves in OSS #4B. Install a divider in front of the shelves.
- Compartment **#4B** shall have deep interior dimensions to accommodate a stair chair. The compartment door shall be held open with a spring-loaded gas cylinder. A locking handle shall be installed on the exterior of the door.
- One (1) STAIR CHAIR POCKET ON DOOR OSS #4B Y\_\_N\_\_
- The compartment door shall have a 9" deep diamond plate pocket and strap installed on the interior side to accommodate a stair chair.
- One (1) SHELF TRACK - EXPOSED - OSS #4 Y\_\_N\_\_
- Unistrut 1-1/4" x 3/4", 19-gauge channel shall be installed in outside storage compartment #4.
- One (1) SHELVES TWO (2) IN OSS #4B Y\_\_N\_\_
- Install two (2) adjustable shelves in OSS #4B. Install a divider in front of the shelves.
- One (1) OUTSIDE STORAGE #5 - CURBSIDE FORWARD Y\_\_N\_\_
- #5** (forward curbside compartment) shall have maximum height and width clear door opening. This compartment provides inside/outside storage and shall have three (3) adjustable shelves. (Reference the lower front wall cabinet in patient compartment features section for interior dimensions). The compartment door shall be held open with a spring-loaded gas cylinder. A locking handle shall be installed on the exterior of the door.

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- One (1) ALL EXTERIOR COMPARTMENTS Y\_\_N\_\_  
All exterior compartment s to have Whelen LED lighting.
- One (1) ROUNDED INTERIOR CORNERS Y\_\_N\_\_  
Interior vertical edges shall have rounded corners in the following locations: forward and aft edges of the CPR seat, the wall at the aft end of the squad bench, the partition opening cabinet edges, and the upper front wall cabinet.
- One (1) LATCHES CABINET - CHROME / STAINLESS STEEL Y\_\_N\_\_  
The attendant control panel door, the power distribution quarters door, and the radio cabinet door shall be secured with chrome locking lever latches, all remaining interior hinged cabinet doors and drawers shall be secured with stainless steel locking flush pull latches.
- One (1) CABINET – DRIVER SIDE WALL, REAR #1 - FIXED FRAME Y\_\_N\_\_  
This cabinet will be all one and the Inside/Outside drivers' side rear compartment. With two adjustable shelves.
- One (1) CABINET – DRIVER SIDE WALL, UPPER OVER PANEL #2 - FIXED FRAME Y\_\_N\_\_  
This cabinet will be one large as possible cabinet above the bench seat area.
- One (1) DRIVER SIDE WALL - ATTENDANT CONTROL PANEL - HINGED PANEL Y\_\_N\_\_  
The color screen shall be installed on an angled hinged access panel and secured with two (2) latches. The panel will be located to the immediate right of the attendant's seat. The forward portion of the panel will contain a flat area that may be used for future radio mounting etc.
- One (1) DRAWERS - PASSENGER WALL - FRONT ACTION AREA (2) DRAWER UNIT Y\_\_N\_\_  
A two (2) drawer cabinet unit shall be mounted within the monitor tower area on the interior curb side of the module back from curb side door. The drawers will open towards the rear. The top drawer will be lockable.  
A slide out sharps/waste drawer shall be installed in the lower portion of the cabinet, opening to the patient compartment area.  
A single oxygen bottle and fire extinguisher holder will be installed in the lower portion of cabinet along the curb side entry steps.



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- One (1) CABINET - FRONT WALL, INSIDE/OUTSIDE ACCESS Y\_\_N\_\_
- The cabinet width will be at a minimum 32" wide and floor to ceiling height. The top portion of this cabinet will be top hinged polycarbonate door covering a 20" height opening. The remainder of the cabinet opening will be open with straps or webbing to secure contents. Both openings allowing for maximum exposure to interior shelving.
- One (1) PARTITION FLOOR MOUNTED REFRIGERATOR Y\_\_N\_\_
- A 120 VAC powered mini refrigerator mounted near the floor, located mid area. With a lockable door hinged on the street side. Mounted within a cabinet.
- One (1) CABINET – CURB SIDE WALL, REAR WITH (1) DOOR, INSIDE/OUTSIDE Y\_\_N\_\_
- A storage compartment (#1) shall be provided to the rear of the curb side seat. The compartment shall face the patient compartment aisle and have a door opening to allow maximum access to interior/exterior shelving. The door will be an acrylic with the hinge side to the rear of the module.
- One (1) CABINET – CURB SIDE WALL, MIDDLE Y\_\_N\_\_
- A cabinet shall be installed on the curbside below the lights. This cabinet shall be enclosed by one (1) set of sliding acrylic doors. The compartment shall contain a center divider.
- One (1) ATTENDANT SEAT Y\_\_N\_\_
- A rear facing EVS HiBAC attendant seat shall be installed at the head of the patient cot. The seat shall be equipped with a sliding swivel base and incorporate an integral child safety restraint system. The seat shall be covered with color coordinated vinyl and equipped with an automatic retracting safety seat belt.
- One (1) CPR SEAT - WIDE FIXED Y\_\_N\_\_
- A 52" wide CPR seat shall be installed on the passenger side of the patient compartment. The seat, backrest, and sides of the seat shall be covered with color coordinated, cushioned vinyl. The seat shall be equipped with two automatic locking, retractable seat belts.
- One (1) SQUAD BENCH BASE STORAGE (COMPARTMENT #2) Y\_\_N\_\_
- A storage area shall be provided in the squad bench base (compartment #2). The interior dimensions as large as possible. The squad bench base shall be constructed of .090" thick aluminum for maximum storage capacity and minimum weight. The interior of the squad bench shall be sprayed with sound absorbing polyurethane material.

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One (1)	INTERIOR SEATING	Y__N__
	<p>The interior seat padded cushion shall be color coordinated vinyl upholstery material and shall be one-piece, liftable (when applicable) on a full-length continuous hinge. The bench cushion upholstery shall be sewn with seams only at the vertical corners to minimize entrapment of fluids. An automatic latching fastener shall be installed to secure the squad bench lid in the closed position (when applicable).</p>	
One (1)	SQUAD BENCH – STREET SIDE	Y__N__
	<p>The squad bench will be a minimum of 72" located on the street side of module. Automatic locking, retractable seat belts shall be provided for three (3) people while seated on the squad bench or for one (1) person lying down.</p>	
One (1)	HOLD OPENS - SQUAD BENCH LID - GAS CYLINDERS	Y__N__
	<p>Two (2) gas cylinder hold -opens shall be provided and installed to hold the cushion in the open and closed position.</p>	
One (1)	CABINET CONSTRUCTION - INTERIOR	Y__N__
	<p>All interior cabinets shall be constructed of manufacturers best standard shelving with forward lip to prevent spilling.</p>	
One (1)	RECESSED ADJUSTABLE SHELF TRACK - CABINETS	Y__N__
	<p>Unistrut 13/16" x 13/32", 19-gauge channel shall be installed in the interior cabinets that contain adjustable shelves. The track shall be welded in and recessed to reduce the number of fasteners and provide a cleaner look.</p>	
One (1)	CABINET DOORS - BRONZE ACRYLIC	Y__N__
	<p>All sliding cabinet doors shall be nominally 1/4" thick light bronze acrylic material. The sliding cabinet doors shall be installed in aluminum track lined with PPL inserts to eliminate rattles and prevent the doors from opening during transit. An edge mounted aluminum handle shall be installed on each sliding cabinet door.</p>	
One (1)	CABINETS/ WALLS - POLYCHROMATIC COATING - MARBLE STONE	Y__N__
	<p>All exposed side walls, the partition wall (on the patient compartment side only), the headliner, along with the cabinet and drawer fronts, aluminum doors, cabinet and drawer interiors shall be covered with a washable #20-63 Marble Stone sprayed-on multi-use polychromatic coating,</p>	
One (1)	COUNTERTOP - SOLID ACRYLIC	Y__N__
	<p>All solid acrylic counter tops. Color to be determined.</p>	

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One (1)	UPHOLSTERY	Y__N__
	All cushions, head pads, door panels and seats shall be covered with expanded vinyl upholstery material. The vinyl and all foam cushion material shall comply with FMVSS #302 flame spread requirements. Color to be determined later	
One (1)	PATIENT COMPARTMENT FLOORING	Y__N__
	The floor in the patient compartment shall be covered non-slip; small grid (embossed), resilient sheet vinyl flooring material, which shall be covered 3-inches up the wall on the street side, and to the top of the squad bench base on the curbside. The flooring material shall be stripped and waxed before delivery.	
One (1)	ASPIRATOR / SUCTION SELF-CONTAINED - RECESSED	Y__N__
	A suction system with built-in pump shall be recessed into the street side lower interior wall near the attendant seat. This system shall be self-contained and shall include a 6-foot section of suction tubing, and two 1200 ml canisters. A strap shall be installed to secure tubing. The disposable canisters shall contain a bacterial filter and overflow shutoff valve. The system shall be activated by a switch on the attendant control panel. The aspirator pump exhaust shall be vented to the exterior of the vehicle. The pump performance shall comply with KKK-A-1822F requirements.	
One (1)	ASSIST HANDLES, (6) BLACK RUBBER	Y__N__
	A total of Six (6) 10 7/8" black vulcanized rubber with steel core assist handles: one (1) handle on each rear door, one (1) on the curbside door, one (1) at the curbside doorway and two (2) at the rear doorway.	
One (1)	COT FASTENER – STRYKER SINGLE – CENTER POSITION	Y__N__
	A Stryker crash stable, single-position (center mount) cot fastener shall be installed on the module floor to accommodate a Stryker series cot. 3/8" thick aluminum tapping plates shall be installed below the aluminum floor to secure the cot floor mounting plates.	
One (1)	EMBLEMS / SIGNS - REAR PATIENT COMPARTMENT	Y__N__
	Two (2) "No Smoking / Oxygen Equipped / Fasten Seat Belts" signs shall be provided. One (1) sign shall be installed in the cab and one (1) above the oxygen outlets in the patient compartment street side cabinet.	
One (1)	EXHAUST VENTILATOR, 3-SPEED	Y__N__
	A three-speed, 500-CFM (minimum) exhaust fan meeting KKK-A-1822F requirements shall be provided and located in the street side cabinet in the patient compartment. The exhaust fan shall be from a switch on the attendant control panel. The exhaust system shall have a louvered grille inside and a chrome vent outside. The exhaust system shall vent through the side of the vehicle.	

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- One (1) FLOOR CONSTRUCTION- PATIENT COMPARTMENT, NON-WOOD COMPOSITE Y\_\_N\_\_
- The sub-floor in the patient compartment shall be constructed of .125" thick aluminum over .125" and .190" thick reinforcing hat sections and mounting laterals. The aluminum sub-floor shall be covered with a single piece of 3/4" non-wood composite material. All corner molding, edging and trim shall be anodized aluminum or stainless steel and shall be sealed to prevent fluids from seeping under the cabinets.
- Wood floors are not satisfactory and shall not be accepted by the purchaser.
- One (1) FLOORING - COVE Y\_\_N\_\_
- The patient compartment floor radius shall be coved with pre-formed floor coving material. The coving shall be installed behind the vinyl floor covering, along both the street side and curbside walls.
- One (1) GLOVE DISPENSER - (3) BOX - ABOVE ENTRY DOOR - CURBSIDE Y\_\_N\_\_
- A three (3) - box glove dispenser unit, with a clear plexi hinged access panel with three (3) cut-outs, shall be recessed above the curbside entry door.
- One (1) GRAB RAILS Y\_\_N\_\_
- Two (2) 1-1/4" diameter stainless steel grab rails shall be installed on the ceiling of the patient compartment. One (1) 64" rail shall be installed over the squad bench area and one (1) 96" rail shall be installed over the patient cot area for attendant/patient balance control. The 96" grab rail will be attached to the ceiling with three (3) mounting brackets that secure it to the super structure of the module. Installation of each grab rail shall comply with AMD-008 requirements.
- One (1) HEADLINER - REAR PATIENT COMPARTMENT Y\_\_N\_\_
- The headliner in the patient compartment shall be one-piece, seamless, .90" thick aluminum finished with sprayed-on multi-use polychromatic coating.
- One (1) HEAT/AIR CONDITIONING. Y\_\_N\_\_
- A high-capacity heating/air cooling system with 50,000 BTU heating capacity and 30,000 BTU cooling capacity shall be provided for high volume air movement with minimal noise. The heater/air conditioner air return shall be filtered to minimize contamination of the heater/air conditioner cores. The cab and module environmental systems shall be simultaneously capable of heating in the front while cooling in the rear and vice-versa. A thermostatically controlled rear system shall be provided for heating and air conditioning the patient compartment.
- The temperature, whether heating or cooling, shall be controlled by a thermostat built into the attendant control panel screen, located in the street side cabinet and from the cab master control console screen. Heating and cooling may be selected automatically or manually. The heater/air conditioner system shall function only when the ignition system and the module power switch are on.

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One (1) I V HANGERS - CEILING RECESSED Y\_\_N\_\_

Four (4) recessed, dual, ceiling I.V. hangers shall be provided. Two (2) installed near the street side above the cot area forward and aft, and two (2) near the curbside above the squad bench area, forward and aft.

One (1) OXYGEN OUTLETS (2) WALL/ (1) CEILING - OHIO MEDICAL TYPE Y\_\_N\_\_

Three (3) Ohio Medical flush mounted; quick release outlets shall be installed. One (1) in the forward street side cabinet action area, one (1) shall be installed in the wall above the squad bench and one (1) shall be installed in the ceiling above the head end of the cot.

One (1) FLOW METER, OXYGEN - THORPE STYLE (2) – DIAL FLOW METER (1) Y\_\_N\_\_

Two (2) Thorp style oxygen flow meter (15LPM) shall be shipped loose with the completed vehicle. One (1) dial style flow meter shall be shipped loose with the completed vehicle.

One (1) OXYGEN SYSTEM, ELECTRIC Y\_\_N\_\_

A 12 VDC controlled electric O2 system operated through the system shall be provided and installed.

The oxygen system shall be completely installed and include a pre-set oxygen regulator with a cylinder pressure gauge and a 200 PSI safety valve with all necessary piping and connections. The oxygen system shall be completely low pressure, and the regulator shall be fastened directly to the cylinder. The regulator shall be set to operate at approximately 50 PSI. The oxygen cylinder shall be installed so the system may be easily turned on and off at the main cylinder valve from the patient compartment. The oxygen cylinder shall be provided by the purchaser.

The oxygen system monitor shall be readily available to the attendant while seated at the head of the cot as part of the multiprocessor based electrical system. Flexible conductive oxygen hose with a minimum 900 lbs. burst rating shall be installed between the regulator and the oxygen receptacles. The system shall be tested and tagged in conformance with NFPA-56-F and KKK-A-1822F.

The electric oxygen system shall be provided with an on/off switch on the attendant control panel screen. The emergency manual bypass valve shall be located near the oxygen storage compartment in the patient compartment.

One (1) PADDED EDGING PROTECTION Y\_\_N\_\_

Padded corner edging shall be installed where necessary on exposed corners and edges in the patient compartment for patient and attendant protection.

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One (1)	PADS, HEAD AND BACK	Y__N__
	Vinyl upholstered, foam cushioned head/back pads shall be installed as follows: the lower edge of the upper front wall cabinet (above the partition doorway or window), above the rear doors, above the side door, on the street side wall behind and each side of the seat, and on the curbside wall behind the seat. The pads shall be covered with a flame retardant color coordinated vinyl upholstery material.	
One (1)	RADIO SPEAKERS, REAR HEADPAD (RADIO FADER CONTROL)	Y__N__
	Two (2) stereo speakers shall be installed in the rear head pad. The fader control for the rear speakers shall be in the cab radio.	
One (1)	SHARPS CONTAINERS – Driver’s Side rear cabinet	Y__N__
	A sharps container shall be installed on the forward end of the driver’s side rear cabinet.	
One (1)	SQUAD BENCH FACE - VINYL FLOORING MATERIAL	Y__N__
	The base of squad bench will be covered with vinyl floor material.	
One (1)	STAINLESS STEEL WALL PROTECTION - INTERIOR STREETSIDE	Y__N__
	A brushed stainless-steel panel shall be provided on the street side wall from the bottom of the seat cushion down to the flooring material to protect this area when the cot is taken in or out of the vehicle.	
One (1)	PAINT PROCEDURE	Y__N__
	To manufactures highest standard.	
One (1)	PAINT MODULE – OEM	Y__N__
	Paint to match and consistent with OEM color. To be determined.	
One (1)	CLEAR COATING - MODULE PAINT	Y__N__
	The entire module shall be clear coated, using a manufacturer process, sprayed over the final paint coat.	
One (1)	BUFFING, PAINT - MODULE	Y__N__
	The paint on the module sides shall be buffed to a high shine using a recommended paint buff system.	

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One (1) DOOR REFLECTIVITY Y\_\_N\_\_

Reflective material (25" x 2.5" red/chartreuse chevron style) meeting FMVSS 108 requirements shall be installed on the lower interior stainless steel panel of each rear door and hinged side door.

If a sliding side door is provided, it shall have a 1.50" x 40.00" white reflective stripe installed on the rear facing edge.

**KKK-A-1822F COMPLIANCE** Y\_\_N\_\_

A KKK-A-1822F compliance sticker, electrical load analysis sticker, and payload sticker shall be installed in the oxygen compartment. Any deviations from KKK-A-1822F shall be listed in the vehicle delivery packet with a notation on the-compliance sticker.

**VEHICLE MANUALS (1) PACKAGE SET** Y\_\_N\_\_

One (1) Delivery Manual Package shall be supplied with the vehicle, and shall include the following items:

- Ambulance manufacturer parts, service, and operation manuals
- OEM chassis owner's guide
- Complete 12 VDC and 125 VAC wiring schematics for all included standard and optional systems
- Multiplex Electrical system programming - electronic media

One (1) **WARRANTIES** Y\_\_N\_\_

**MANUFACTURER WARRANTIES:** The ambulance manufacturer shall provide Warranty coverage as follows:

- A. Structural Module Warranty - Limited Lifetime
- B. Ambulance Conversion Warranty - 2 Years/30,000 Miles
- C. Electrical Warranty (Multiplex-based systems)- 7 Years/ 84,000 Miles
- D. Paint Warranty - This pro-rated warranty covers the areas of the ambulance body finished with specified paint products for a period of 7 years from the date of manufacture or 84,000 miles whichever occurs first. The first four years or 48,000 miles are covered at 100% parts and labor. The fifth year or up to 60,000 miles is covered at 75% parts and labor, and the sixth and seventh years or up to 84,000 miles are covered at 50% parts and labor. Paint repairs must be pre-approved by

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the Manufacturer and performed by the Manufacturer or an Authorized Service Center.

NOTE: Copies of these Warranties shall be provided to the purchaser in the quote response.

## **INSPECTION**

One inspection mid construction for up to three personnel. Time frame to be decided.

## **DISCOUNTS**

The quote shall include the pre-payment discount

The quote shall include the WEMSA discount

## **APPROVAL DRAWING:**

A drawing of the proposed ambulance shall be provided for approval before construction begins. The sales representative shall also have a copy of the same drawing.

The drawing shall include the chassis make and model, all doors, compartments, hardware, lighting, visual and audible warning devices, diamond plate, paint detail, decals, and markings.

Paint color samples, with paint ID codes, shall be provided prior to final approval of the drawings.