



**BARROW COUNTY**  
*Georgia*

**MEMORANDUM**

**To:** Parties Interested In RFB2018-9  
**From:** Misty Landers  
**Date:** August 9, 2017  
**Re:** RFB2018-9 – Emergency Medical Ambulance

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RFB2018-9 is attached for your consideration. Anyone accessing this Request for Bid from the Barrow County web site is responsible to insure the latest documents are in their possession including any addenda. All addenda, questions and answers will be posted on this site. ***This site should be visited frequently to insure an awareness of any updates.***

Please insure bids are submitted exactly as specified in the RFB. If you have any questions, please submit them in writing as called for in the RFB.

Thank you.



**BARROW COUNTY**  
*Georgia*

**REQUEST FOR BID  
RFB2018-9**

**EMERGENCY MEDICAL AMBULANCE  
PER SPECIFICATIONS**

**BARROW COUNTY, GEORGIA**

**August 9, 2017**

## REQUEST FOR BID

RFB2018-9

### BARROW COUNTY, GEORGIA

Date: August 9, 2017

#### PURPOSE:

The purpose of this request is to provide interested suppliers with the sufficient information to enable them to submit a uniform bid for the County's review. Also, to set-forth a systematic method that will be fair and impartial to all parties concerned and to generate a response that can be equally evaluated by the County. ***This bid will be evaluated and governed according to the Barrow County Purchasing Policy.***

#### GENERAL:

Barrow County is in the process of securing sealed bids for one (1) Emergency Medical Ambulance per Specifications for Barrow County Emergency Services. Special attention should be given to the technical schedule and conditions below.

Regular Bid: Each supplier must comply with all requirements for a regular bid as directed or required by this notice. Notice is hereby given to all suppliers that if their bids are defective or irregular, the same may be rejected immediately.

Uniform Bid: To facilitate comparative analysis and evaluation of quotations, it is desired that a uniform format be employed in structuring each bid. The required format will coincide with specifications and additional options given later in this notice. The supplier's degree of compliance with the requirements of this notice will be a factor in the subsequent evaluation and award of contract for these items. All instructions are to be considered an integral part of the RFB.

Right to Reject Any or All Bids: Barrow County reserves the right to reject any or all bids, to waive technicalities or informalities, and to accept any bid deemed in the best interest of the county. Where two or more suppliers are deemed equal, the County reserves the right to make the award to one of the suppliers.

Firm Price: Prices quoted by supplier shall be firm prices, and not subject to increase during the schedule hereinafter set-forth and shall not include Federal or State Tax.

Right to Submitted Materials: All responses, inquires, or correspondence relating or in reference to this schedule, exhibit, and other documentation by the supplier shall be properly identified as to supplier and will become the property of the County when received. Supporting technical manuals will be returned at the request of the supplier. Selection of a suppliers bid does not affect this right.

INQUIRIES: Bidders **shall not** contact any members, or employees, of the Barrow County Board of Commissioners or any Barrow County Elected Officer or employee of Barrow County Elected Officer,

regarding this RFB, bid evaluation, or selection process from the time the RFB is issued until the time a notification of intent to award is announced. **Questions relating to this RFB must be submitted in writing to: Misty Landers (email: [mlanders@barrowga.org](mailto:mlanders@barrowga.org)).** The deadline for submission of questions relating to this RFB shall be 12:00 p.m., August 29, 2017. All questions submitted in writing prior to the deadline will be compiled, answered in writing and posted to the website [www.barrowga.org](http://www.barrowga.org) as an addendum to the RFB.

**SEALED QUOTATIONS:** An original (un-bound) and four copies of the bid must be submitted in a sealed envelope, addressed to Owner. Each sealed envelope containing a bid must be plainly marked on the outside with **“RFB2018-9 – EMERGENCY MEDICAL AMBULANCE”**. If a bid is forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope to the attention of the Owner at the address previously given and also plainly marked with **RFB2018-9 – “EMERGENCY MEDICAL AMBULANCE”**. The county will not be responsible for late mail deliveries and no bid will be accepted if received after the time stipulated by this RFB. No bid may be withdrawn or modified in any way after the deadline for RFB opening. **FAILURE TO COMPLY WITH THE ABOVE INSTRUCTIONS WILL DISQUALIFY BID QUOTE.**

**PROPOSALS SHALL BE SUBMITTED TO:**  
**Barrow County Board of Commissioners**  
**County Clerk’s Office**  
**30 North Broad Street**  
**Winder, GA 30680**

**EVENTS:** Sealed bids will be accepted in the County Clerk’s Office, no later than **12:00 Noon, Thursday, September 7, 2017.** Bids will be opened and read aloud in the Main Floor Conference Room at 30 North Broad Street, Winder, GA. 30680 at 2:00 p.m. on September 7, 2017. All bids will be evaluated and the project will be awarded, if it is awarded, within 60 days of the bid opening. These prices will be good for 60 days from this date.

**The following dates and times apply to this RFB:**

Issue Request for Bid -----August 9, 2017  
Deadline for Questions ----- August 29, 2017 (12:00 p.m.)  
Bid Due Date -----September 7, 2017 (12:00 p.m.)  
Bid Opening -----September 7, 2017 (2:00 p.m.)

**DOCUMENTS:** The following documents are included in this Request for Bid:

- Memo (1 Page)
- Request for Bid (4 Pages)
- Specifications (44 Page)
- Bid Form (3 Page)

**BID CONTENT:** Please include the following documents with your submittal (***an original un-bound and four copies***):

- Bid Form (included in the RFB)
- Specification Requirement (Yes/No) Document (included in the RFB)
- Manufacturer Specifications
- Descriptive Literature

**DELIVERY TIME:** *Please advise number of days from the date of order in which delivery can be expected.*

**TECHNICAL REQUIREMENTS:** The technical requirements are normally given as generic in nature, where a company's part is listed, no exceptions or substitutions will be accepted, unless stated otherwise in the RFB.

**PAYMENT:** Payment will be made Net 10 Days from date of receipt of equipment. No monies will be paid up front with the order. Bidder agrees to render invoice electronically ([payables@barrowga.org](mailto:payables@barrowga.org)). Bidder agrees to accept the Barrow County Purchase Order Form to execute the actual purchase of equipment; no other contract document will be generated for the purchase.

**LOCAL VENDOR'S PREFERENCE:**

Because bids awarded to Local Vendors contribute to the County's tax base and promote the local economy, the County has determined that, under certain circumstances described in this Section, Local Vendors shall be provided an additional privilege, whenever not otherwise prohibited by State law (including, but not limited to, public works and road construction projects as contemplated by Section 1-7(6) of the County's Purchasing Policy), when bidding against non-Local Vendors.

For bids in the amount of \$25,000.00 or more, if a Local Vendor's bid shall meet all specifications and does not exceed four percent (4%) more than the lowest responsive and responsible bidder, the lowest bidding Local Vendor shall be offered three (3) business days from the opening of such bids in which to notify the Purchasing Office in writing that it agrees to match the low bid submitted by any non-Local Vendor. If such Local Vendor shall not agree to match the low bid, then the next lowest Local Vendor, if any, shall be offered within three (3) business days thereafter to notify the Purchasing Office in writing that it agrees to match the low bid submitted by any non-Local Vendor, and so on until all applicable Local Vendors are offered the opportunity to match the low bid.

# Barrow County Emergency Services Ambulance Bid Specs

## **GENERAL CONDITIONS**

**PURCHASER:** The "Purchaser" who is hereinafter referred to as the "County" AND has been charged with the responsibility of purchasing one or more emergency medical ambulance(s).

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

## **BIDDER'S INSTRUCTIONS**

Bidders shall thoroughly examine all drawings, specifications, schedules, instructions and any other documents supplied as part of this invitation to bid 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 bidder 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 bidder 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 bidder.

**CLARIFICATIONS:** Clarifications shall be written correspondence between the bidder 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 bidders at least two business days prior to the deadline for bid submission.

**EXPLANATION OF EXCEPTIONS:** Bidders may take exceptions to any part of the bid contained herein with a written itemized schedule. The schedule shall include the page number, paragraph number(s), the text that the bidder feels he cannot comply with and an explanation why the bidder feels that the requirement is not in the best interest of the purchaser AND/OR an alternate bidder solution. Alternate bidder solutions may be considered by the purchaser, if the bidder 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 bid proposal on or before the bid submission deadline.

## **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.

# Barrow County Emergency Services Ambulance Bid Specs

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

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

## **VENDOR QUALIFICATIONS**

Y\_\_N\_\_

Regardless of chassis purchased, all bidders shall be members in good standing of the Ford Motor Company's and/or the General Motor Company's Qualified Vehicle Modifier Program (Q.V.M.). Certification verification shall be provided with the bid response. If for any reason the Q.V.M. Certification was withdrawn or suspended by Ford Motor Company's and/or the General Motor Company's within the past five years, the bidder 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**

Y\_\_N\_\_

A Certificate of current liability insurance, with a Ten Million Dollar minimum shall be supplied with the bid submission. 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.

## **DRUG FREE WORKPLACE**

Y\_\_N\_\_

The bidder shall conduct business as a Drug Free Workplace. The bidder/manufacturer shall provide notice to their employees as required under the Drug Free Workplace Act of 1988. A copy of the bidder's Drug Free Workplace policy shall be furnished to the purchaser upon request.

## **CHASSIS POOL**

Y\_\_N\_\_

The bidder 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 bidder shall provide a current Ford Motor Company and/or General Motor Company's Pool account number to the purchaser upon request.

## **AMBULANCE SPECIFICATION**

Y\_\_N\_\_

All ambulance modules in this specification must be built in the United States of America.

## **PRODUCT TESTING**

Y\_\_N\_\_

**AMBULANCE MANUFACTURER'S DIVISION:** The Bidder shall be a member in good standing with the National Truck Equipment Association (N.T.E.A.) and the Ambulance Manufacturer's Division (A.M.D.) of N.T.E.A. The bidder shall supply a letter with the bid response to verify current membership in both the N.T.E.A. and the A.M.D.

# Barrow County Emergency Services Ambulance Bid Specs

## **AMD STANDARD 001: STATIC LOAD TEST**

Y\_\_N\_\_

A.M.D. 001 - MANUFACTURERS' BODY STRUCTURE TESTING: The ambulance described herein shall be tested to the National Truck Equipment Association's Ambulance Manufacturer's Division, AMD Standard 001 - Static Load Test, except the test weight shall be at least 32,000 pounds. The test results shall be certified by an independent engineering firm not directly associated with the Ambulance Manufacturer. These certified test results shall be supplied to the purchaser upon request.

## **ROLLOVER CRASH TEST**

Y\_\_N\_\_

The manufacturer shall perform a dynamic rollover crash test with video documentation to be provided to the Purchaser upon request. Crash tests shall be performed within a controlled and repeatable environment. All testing shall be performed by an ISO/IEC 17025 accredited laboratory by an accreditation body that is recognized by the National Cooperation for Laboratory Accreditation (NACLA) or is a signatory to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA). Refer to the following publications for specifications:

- SAE J211-1 Instrumentation for Impact Test – Part 1: Electronic Instrumentation
- SAE J211-2 Instrumentation for Impact Test – Part 2: Photographic Instrumentation
- SAE J21733 Sign Convention for Vehicle Crash Testing
- SAE 3027 Ambulance Litter Integrity, Retention, and Patient Restraint

## **SIDE IMPACT CRASH TEST**

Y\_\_N\_\_

The manufacturer shall perform a dynamic side impact crash test with video documentation to be provided to the Purchaser upon request. Crash tests shall be performed within a controlled and repeatable environment. All testing shall be performed by an ISO/IEC 17025 accredited laboratory by an accreditation body that is recognized by the National Cooperation for Laboratory Accreditation (NACLA) or is a signatory to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA). Refer to the following publications for specifications:

- SAE J211-1 Instrumentation for Impact Test – Part 1: Electronic Instrumentation
- SAE J211-2 Instrumentation for Impact Test – Part 2: Photographic Instrumentation
- SAE J21733 Sign Convention for Vehicle Crash Testing
- SAE 3027 Ambulance Litter Integrity, Retention, and Patient Restraint

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

Y\_\_N\_\_

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



# Barrow County Emergency Services Ambulance Bid Specs

## QUALITY ASSURANCE - SPECIFICATION COMPLIANCE

Y\_\_N\_\_

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.

NOTE: The purchaser will have zero tolerance towards bidder/vendors who state compliance to specification, but delivers an incomplete product and/or substandard materials and workmanship.

## NON-COLLUSIVE BID CERTIFICATION

Y\_\_N\_\_

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

- The prices in this bid 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 Bidder or with any competitor, and;
- Unless otherwise required by law, the prices which have been quoted in the bid response have not knowingly been disclosed by the Bidder and will not knowingly be disclosed by the Bidder, prior to the public bid opening, either directly or indirectly to any competitor, and;
- No attempt has been made or will be made by the Bidder, for the purpose of restricting competition, to induce any person, partnership, or corporation not to submit a bid response.

## DEBARMENT STATUS

Y\_\_N\_\_

By submission of this bid response, the Bidder and/or its authorized representatives, certify under penalty of perjury, that to the best of their knowledge and belief they are not currently debarred from submitting bids or bidding 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

Y\_\_N\_\_

The bidder 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 \_\_\_\_\_ calendar days after receipt of order and receipt of chassis. (State number of calendar days)

# Barrow County Emergency Services Ambulance Bid Specs

## REQUIRED DELIVERY ITEMS

Y\_\_N\_\_

REQUIRED DELIVERY ITEMS: Upon a successful bid 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.

## PURCHASER'S RIGHTS

Y\_\_N\_\_

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

BID PROPOSAL TIME LIMITS: All bids submitted to the purchaser shall remain in effect for a minimum period of (60) sixty calendar days.

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

## FORCE MAJEURE

Y\_\_N\_\_

The manufacturer shall not be liable or responsible to Purchaser, nor be deemed to have defaulted or breached these Terms and Conditions, for any failure or delay in fulfilling or performing any of these Terms and Conditions when and to the extent such failure or delay is caused by or results from acts or circumstances beyond the reasonable control of the manufacturer including, without limitation, acts of God, flood, fire, earthquake, explosion, governmental actions, war, invasion or hostilities, terrorist threats or acts, riot or other civil unrest, national emergency, revolution, insurrection, epidemic, lockouts, strikes or other labor disputes (whether or not relating to either party's workforce), restraints or delays affecting carriers, inability or delay in obtaining supplies of adequate or suitable materials, or telecommunication breakdown, or power outage.

Any delays of subcontractors occasioned by any of the causes specified in the immediate preceding clause.

# Barrow County Emergency Services Ambulance Bid Specs

## **ROLLOVER CRASH TEST**

Y\_\_N\_\_

Bidder shall perform modular rollover crash test, with video documentation to be provided to the Purchaser upon request. Crash test shall be performed within a controlled and repeatable environment, validated by a third party testing facility. Crash test control elements shall include (at minimum) - 25mph speed, 20 degree angled ramp, and 1.25 rotation. Crash test result elements shall include (at minimum) – minimal deflection to module body including side walls, roof and floor and all people doors (side and rear) must open.

## **KKK FEDERAL SPECIFICATION REQUIRED**

Y\_\_N\_\_

This Order / Ambulance is required to conform to KKK Federal Specification for the Star-of-Life Ambulance.

## **KKK CHANGE NOTICE 8 REQUIRED**

Y\_\_N\_\_

End User / State is required by law to be KKK-A-1822F Change Notice 8 compliant to meet SAE J3026 - Ambulance Patient Compartment Seating Integrity and Occupant Restraint Standards, and SAE J3027 - Ambulance Litter Integrity, Retention, and Patient Restraint Standards.

To be Grandfathered and not require CN8 compliance, please provide a copy of your pre-existing contract for this customer when you submit your order.

## **BIDDER KKK-A-1822F CHANGE NOTICE 8 COMPLIANT**

Y\_\_N\_\_

Bidder shall be KKK-A-1822F Change Notice 8 compliant to meet SAE J3026 - Ambulance Patient Compartment Seating Integrity and Occupant Restraint Standards, and SAE J3027 - Ambulance Litter Integrity, Retention, and Patient Restraint Standards.

## **BIDDER KKK-A-1822F CHANGE NOTICE 9 COMPLIANT**

Y\_\_N\_\_

Bidder shall be KKK-A-1822F Change Notice 9 compliant to meet SAE J3043 - Ambulance Equipment Mounts; Interior Stowage Accommodations; Equipment Mounting Devices: Installed Oxygen cylinder, cardiac monitor, and fire extinguisher mounting devices shall meet the performance requirements of SAE J3043.

## **BIDDER KKK-A-1822F CHANGE NOTICE 10 COMPLIANT**

Y\_\_N\_\_

Bidder shall be: KKK-A\_1822F Change Notice 10 compliant to meet: SAE J3058 - Ambulance Interior Storage Compartment Integrity; SAE J3057- Ambulance Modular Body Evaluation-Quasi-Static Loading for Type I and Type III Modular Ambulance Bodies; SAE J3102- Ambulance Patient Compartment Structural Integrity Test to Support SAE J3027 Compliant Litter Systems; SAE J3043 - Ambulance Equipment Mounts, Interior Stowage Accommodations, Equipment Mounting Devices: Installed suction mounting; to conform to all applicable requirements.

## **NO STS, HGAC, FSA, NJPA, GPO CONTRACT**

Y\_\_N\_\_

# Barrow County Emergency Services Ambulance Bid Specs

## LEAD TIME DEFINED

Y\_\_N\_\_

PLEASE NOTE: Vehicle lead time is established upon date of accepted order and receipt of chassis.

## GUARANTEED DELIVERY DATE

Y\_\_N\_\_

The vehicle shall be delivered on or before the agreed upon delivery date. If the delivery of the vehicle is later than the agreed upon delivery date the bidder agrees to discount the purchase price as agreed at the pre-construction meeting.

## REQUIRED REMAINING EQUIPMENT PAYLOAD:

Y\_\_N\_\_

## TYPE III - AMBULANCE - 72" INTERIOR HEIGHT

Y\_\_N\_\_

SPECIFICATION INTENT: Type III 169-inch module, constructed with not less than a 72-inch interior module height, an overall length of 272.75-inches, an overall width of 98-inches, and an overall exterior height not to exceed 106.5-inches.

## PREFERED CHASSIS - FORD E-450SD CHASSIS, 158" WB 4x2 DRW – GAS

Y\_\_N\_\_

If delivery of the Ford E-450SD chassis will cause a delay in delivery of the completed vehicle of 60 days or more then a Chevrolet G-4500 chassis with a 6.0L Vortec V8 gasoline engine will be acceptable.

- Please note selected chassis in bid response.

## EXCEPTIONS

Y\_\_N\_\_

The following apparatus specifications are considered minimum design and construction standards against which the apparatus will be inspected. It is the intent to receive bids on equipment/apparatus meeting the attached detailed specifications in their entirety. Any bid submitted, without "Full Compliance" with these specifications shall so state on the bid form, followed by a detailed "Letter of Exceptions" listing the areas of non-compliance. The reference must include page number, paragraph, and the exact nature of the exception.

Failure to follow this format, provided for convenience of the Purchaser, will render the vendor's proposal non-responsive and ineligible for award of contract.

The Purchaser may add the statement "No Exception" to a component or design feature in these specifications. In interest of fleet conformity or specific performance requirements, the Purchaser will not permit exceptions taken to these item(s). The Purchaser reserves the right to reject any or all bids and purchase equipment it deems most suitable to its needs. The Purchaser does not, in any way, obligate itself to accept the lowest or any bid. Any bidder taking total exception to the complete specification or a major element will result in immediate rejection of the bid.

# Barrow County Emergency Services Ambulance Bid Specs

## SERVICE REQUIRMENTS

Y\_\_N\_\_

Each bidder shall supply, with their proposal, detailed information on the bidder's ability to perform routine and emergency service on the apparatus after delivery. Detailed information shall provide on service facilities, personnel, service vehicles, and the type and nature of repair work the bidder is able to provide. **Bidder shall state the number of miles from the Purchaser's facility to the nearest fully staffed repair facility operated by the bidder.** It is the intent of the Purchaser to assure that parts and service are readily available for the equipment specified. **Service capabilities will be one of the criteria for award of this contract.**

## PRE-CONSTRUCTION CONFERENCE

Y\_\_N\_\_

A pre-construction conference shall be held at Barrow County Emergency Services Headquarters, located at 222 Pleasant Hill Church Rd NE, Winder GA. 30680 prior to the final order being released to the manufacturer. Those in attendance shall include members from Barrow County Emergency Services and representatives from the successful manufacturer.

## PRE-DELIVERY INSPECTION TRIP

Y\_\_N\_\_

A pre-delivery inspection trip for up to three (3) representatives from Barrow County Emergency Services shall be held at the successful manufacturer's facility prior to the complete apparatus being delivered. This trip shall take place when the apparatus is 100% complete and ready for delivery. The trip shall consist of a minimum of three (3) days to include; one (1) day for travel to the manufacturer's facility, one (1) full day of inspection at the manufacture's facility and one (1) day travel back to Barrow County, Georgia. If the manufacturer's is more than 300 miles from Winder, Georgia, the means of transportation shall be commercial airline travel. If commercial airline travel is used, flight schedules must be made so that flights depart and return thru Hartsfield-Jackson International Airport in Atlanta, Georgia. Departing flights to the manufacturer's facility shall be scheduled on either Monday or Tuesday of the week and leave between 8:00 a.m. and 2:00 p.m. eastern standard time. Return flights back to Atlanta shall be scheduled on Wednesday, Thursday, or Friday of the week and return no later than 8:00 p.m. eastern standard time. Travel and inspection time will not be allowed on weekends or Holidays. All expenses (including travel, meals and lodging) shall be the responsibility of the successful manufacturer.

## Emergency Medical Unit Specifications

Y\_\_N\_\_

## TYPE III - AMBULANCE - 72" INTERIOR HEIGHT

Y\_\_N\_\_

# Barrow County Emergency Services Ambulance Bid Specs

**2018 FORD E450 CUTAWAY CHASSIS, 158"WB 4x2 DRW (100 C.A.)  
GAS ENGINE**

Y\_\_N\_\_

## **POWERTRAIN/FUNCTIONAL**

Y\_\_N\_\_

- Alternator - Ext HD 225-amp
- Axle Front, twin I-beam
- Axle Rear, Limited slip (4.56 ratio)
- Auxiliary fuel port
- Batteries - Heavy duty maintenance-free
- Brakes - 4-wheel disc Anti-lock Braking System (ABS)
- Engine - 6.8L V10 Gasoline
- Fuel tank 55 gallon
- Handling Package
- Horn - dual note
- Modified Vehicle Wiring Kit & System
- Spare tire & wheel
- Stabilizer bar - front stabilizer bar w/heavy duty front & rear shocks
- Steel valve stems
- Steering gear - heavy duty
- Steering - power
- Tires, LT225/75RX16E BSW A/S
- Transmission - 6-speed O/D
- Transmission auxiliary oil cooler

## **EXTERIOR**

Y\_\_N\_\_

- Bumper - Chrome, front
- Grille - Chrome
- Glass solar tinted
- Headlamps - dual seal beam w/fixed lens
- License plate bracket
- Mirrors, telescopic trailer tow mirrors, power
- Wheels 16" x 6" painted white steel

# Barrow County Emergency Services Ambulance Bid Specs

## INTERIOR

Y\_\_N\_\_

- Air conditioning
- Audio - Premium Electronic AM/FM Stereo/clock/CD/audio jack
- Courtesy light switch - front door
- Dash sound absorber
- Floor covering - front, vinyl
- Front dome light
- Glove Box w/aux power point
- Headliner - front, cloth
- Insulation package
- Instrument panel - medium flint
- Key in ignition warning chime
- Light & Convenience Group
- Mirror - interior day/night rearview mirror
- Power door locks and windows
- Power point - double 12 V power point in instrument panel
- Seats - dual cloth captain chairs
- Speed Control
- Steering wheel - tilt
- Sun visors - cloth
- Tachometer
- Trim
- A-pillar grab handle
- LH/RH black cowl trim panels
- LH/RH color keyed cowl grab handles
- Medium flint w/single stowage area door trim panels
- Molded vinyl-faced front headliner
- Windshield wipers - interval

## SAFETY/SECURITY

Y\_\_N\_\_

- Air bags - second generation
- Air bag - driver & passenger side
- Safety belts - medium flint w/height adjustable D-ring

## WEIGHT RATINGS

Y\_\_N\_\_

Front Gross Axle Weight Rating	5,000
Rear Gross Axle Weight Rating	9,600
Gross Vehicle Weight Rating	14,500

# Barrow County Emergency Services Ambulance Bid Specs

## ADDITIONAL OPTIONS

Y\_\_N\_\_

- YZ Oxford White Clear Coat
- ME Medium Flint Cloth Captain's Chairs
- 782A Preferred Equipment Package
- 18A Exterior Upgrade Package
- 18C Interior Upgrade Package
- 47A Ambulance Prep Package: Includes Auxiliary Heater/AC connector pkg, front max GAWR, frame pucks, badging
- 948 Keyless / Alarm
- 41H Heater, Engine Block

## 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.

## SECOND ENGINE DRIVEN A/C COMPRESSOR

Y\_\_N\_\_

A second Engine Driven A/C compressor shall be installed and dedicated to the Module with the exact location to be determined at the pre-construction conference.

## BRUSH GUARD

Y\_\_N\_\_

A **black brush guard** shall be installed on the front bumper.

## BATTERY - TWO SYSTEM

Y\_\_N\_\_

The vehicle shall have a two (2) battery, 12-volt system rated at 1540 cold cranking amps (CCA). One battery will be securely installed in a slide out drawer, located on the lower right front of the module. The second battery shall be installed under the chassis hood.

## EXHAUST MODIFICATION

Y\_\_N\_\_

Modify exhaust system on the cutaway chassis to extend below and even with outer edge of module body.



# Barrow County Emergency Services Ambulance Bid Specs

**FLOOR CONSOLE - ANGLED FRONT - REMOVABLE PLATES - ALUMINUM** Y\_\_N\_\_

A center floor console manufactured out of aluminum and covered in a black onyx scratch resistant, multi-use polychromatic coating with a clear epoxy finish shall be installed in the cab. The console shall include a raised area to accommodate the Weldon Vista 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.

**HEAT SHIELDS** Y\_\_N\_\_

Protective heat shields shall be installed above the exhaust system as recommended by the chassis manufacturer.

**HIGH IDLE SYSTEM, AUTOMATIC** Y\_\_N\_\_

An aftermarket 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. The system will automatically go to high idle, but will adjust

**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

**RUNNING BOARDS - STAR PUNCHED DIAMOND PLATE** Y\_\_N\_\_

Flared aluminum diamond plate running boards with a star punched non-skid surface shall be provided on the cab. The running boards shall be wider toward the rear extending out towards the corners of the module. The running boards shall be bright dip anodized after they are formed to retain finish and increase corrosion resistance.

**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.

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## **ELECTRICAL SYSTEM - WELDON V-MUX, MICRO PROCESSOR BASED** Y\_\_N\_\_

A Weldon V-MUX 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 (Vista) in the cab, one (1) color control console (Vista) in the patient compartment, four (4) control nodes (Hercules), and a cab warning display with video input and monitoring capabilities.

The system must be a Weldon V-MUX. **No exception.**  
Bidders who propose any other proprietary electrical system shall be considered as non-compliant.

## **Documentation required with bid submission** Y\_\_N\_\_

Bidder must supply with his/her bid proposal, a listing of not less than 500 ambulances produced with the Weldon v-mux system within the past 5 years. The documentation shall include a production order number, the purchaser's agency name, and the date the ambulance was delivered.

Bids submitted without this documentation shall not be considered.

## **VISTA IV MCC - PUSH BUTTON** Y\_\_N\_\_

A Weldon V-MUX Vista IV interface module / display screen shall be provided and installed in the cab. The Vista module shall be operated through the use of push buttons.

## **VISTA IV ACP - PUSH BUTTON** Y\_\_N\_\_

A Weldon V-MUX Vista IV interface module / display screen shall be provided and installed in the patient compartment. The Vista module shall be operated through the use of push buttons.

## **WARNING DISPLAY - MULTIPLEX ELECTRICAL SYSTEM** Y\_\_N\_\_

A digital warning display shall be integrated into the cab display console and programmed through the multiplex system to provide visual and audible indications for:

- Parking brake set condition
- Parking brake release condition
- 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

## **DAYTIME RUNNING LAMPS - MULTIPLEX ELECTRICAL SYSTEM** Y\_\_N\_\_

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

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**MASTER CONTROL CONSOLE (MCC) - MULTIPLEX ELECTRIC SYSTEM** 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.

**ATTENDANT CONTROL PANEL (ACP) - MULTIPLEX ELECTRICAL** Y\_\_N\_\_

The Attendant Control Panel (ACP) shall contain a color microprocessor screen, which will control all equipment installed in the patient compartment.

**ELECTRICAL COMPARTMENT (PDQ) - MULTIPLEX ELECTRICAL SYSTEM** 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.

**SPARE CIRCUIT - MULTIPLEX ELECTRICAL SYSTEM** Y\_\_N\_\_

One (1) spare 15 amp circuit shall be provided.

**WIRING HARNESS CONNECTORS - MULTIPLEX ELECTRICAL SYSTEM** Y\_\_N\_\_

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

**RADIO TIE-IN POINTS - MULTIPLEX ELECTRICAL SYSTEM** 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".

**EMERGENCY MASTER SWITCH - MULTIPLEX ELECTRICAL SYSTEM** Y\_\_N\_\_

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.

**CONTROL PANEL SWITCHES - MULTIPLEX ELECTRICAL SYSTEM** Y\_\_N\_\_

The switches on the master control console and attendant control panel screens shall have dimmable perimeter backlighting for easy identification.

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**MODULE POWER SWITCH - MULTIPLEX ELECTRICAL SYSTEM** Y\_\_N\_\_

A module power switch for the electrical system shall be provided on both the master control console and the Attendant Control Panel screens.

**MODULE DISCONNECT - MULTIPLEX ELECTRICAL SYSTEM** Y\_\_N\_\_

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 the check-out lights.

**VOLTMETER - MULTIPLEX ELECTRICAL SYSTEM** Y\_\_N\_\_

One (1) digital voltmeter shall be provided on the master control console screen.

**FLASHER - MULTIPLEX ELECTRICAL SYSTEM** Y\_\_N\_\_

The flasher shall be provided within and programmed by the multiplex electrical system.

**FLASHING HEADLIGHTS - MULTIPLEX ELECTRICAL SYSTEM** Y\_\_N\_\_

The headlights (high beams) shall be programmed through the multiplex system to alternate flash (wig-wag), 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.

**PARK OVERRIDE - MULTIPLEX ELECTRICAL SYSTEM** Y\_\_N\_\_

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.

**LOAD MANAGER-SEQUENTIAL SWITCHING SYSTEM-  
MULTIPLEX ELECTRIC** Y\_\_N\_\_

The load manager-sequential switching system shall be controlled by the microprocessor based 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 non-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.

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## **WARNING LIGHTS FLASH PATTERN SIGNAL ALERT 75- MULTIPLEX ELECTRICAL SYSTEM**

Y\_\_N\_\_

The default flash pattern for warning lights shall be Signal Alert 75. These warning lights will be operated from a single switch labeled "flashers" via the Multiplex System on the master control console.

## **FRONT CLEAR DISABLE SWITCH - MULTIPLEX ELECTRICAL SYSTEM**

Y\_\_N\_\_

Activation of the switch on the master control console screen shall disable all forward facing clear warning lights.

## **CURBSIDE SCENE LIGHTS "ON" WITH CURBSIDE DOOR- MULTIPLEX ELECTRICAL SYSTEM**

Y\_\_N\_\_

The curbside scene lights shall be programmed to activate when the curbside door is in the open position.

## **REAR SCENE LIGHTS "ON" WITH REAR DOORS OPEN- MULTIPLEX ELECTRICAL SYSTEM**

Y\_\_N\_\_

The rear scene lights shall be programmed to activate when the rear doors are in the open position.

## **DISABLE SWITCH FOR REAR SCENE LIGHTS- MULTIPLEX ELECTRICAL SYSTEM**

Y\_\_N\_\_

A disable switch shall be installed at the rear door area to disable the rear scene lights.

## **DISABLE SWITCH FOR SIDE SCENE LIGHTS- MULTIPLEX ELECTRICAL SYSTEM**

Y\_\_N\_\_

A disable switch shall be installed at the curbside door area to disable the curbside scene lights.

## **REVERSE (TRANSMISSION) FUNCTIONS- MULTIPLEX ELECTRICAL SYSTEM**

Y\_\_N\_\_

The system shall be programmed to provide activation for the rear outboard warning lights, the rear side warning lights, the rear scene lights, and the rear side scene lights, when the transmission selector lever is placed into "reverse" position.

## **AIR HORNS - BUELL DUAL TRUMPETS 10" & 12", UNDR BMPR W/SW**

Y\_\_N\_\_

A Buell air horn system with dual trumpets, one (1) 10" and one (1) 12", shall be mounted under the front bumper, one (1) each side. The compressor shall be installed in OSS #2. The air horns shall be activated by a push button switch located on the MCC (master control console).

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## **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.

## **CAMERA REAR VIEW - SINGLE SYSTEM - VISTA SCREEN**

Y\_\_N\_\_

A color camera system connected to the cab Vista display screen shall be installed, providing rear view monitoring to the rear exterior of the module. The camera shall be connected to the video input provided in the cab's Vista screen. This camera image shall automatically be displayed on the MCC Vista when the vehicle is placed in reverse. The Vista shall resume normal operation when the vehicle is taken out of reverse.

## **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). SLX high temperature thermoplastic cross link wire shall be used.

SGX 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.

## **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.

## **INVERTER, VANNER - 1050 WATT, #20-1050CUL-DC CHARGER**

Y\_\_N\_\_

A Vanner 20-1050CUL-DC, 1050 watt inverter with battery conditioner/charger, with remote switch, shall be provided and installed.

## **LIGHT, ATTENDANT CONTROL PANEL AREA**

Y\_\_N\_\_

A 16" fluorescent light, with integral switch, shall be mounted above the left wall forward action area counter.

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**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.

**LIGHT INTERIOR OF REAR FACING OSS & PASSAGE DOORS,  
TWO (2) RED MINI LED PER DOOR Y\_\_N\_\_**

Two (2) Whelen red Mini LED lights shall be installed on the interior of all rear facing exterior compartment and patient entry doors. The lights shall be located as follows: one (1) on each upper and lower outer corner. The lights shall random flash upon door opening.

**LIGHT OSS COMPARTMENT – LED STRIP TECHNIQ E410 Y\_\_N\_\_**

Each outside storage compartment shall be equipped with clear LED strip lighting which shall be located one each side of door opening, activated by a magnetic switch.

**LIGHT, STEPWELL - CURBSIDE DOORWAY - MINI LED SURFACE MOUNT Y\_\_N\_\_**

A Whelen Mini-LED light shall be installed to illuminate the step well at the curbside doorway.

**LIGHT, TWO (2) STREAMLIGHT LITEBOX 45107 AND 12V CHARGER BASE Y\_\_N\_\_**

Two (2) stream light #45107 orange LiteBox rechargeable flashlight and 12 VDC charger base shall be installed in a designated location to be determined at a pre-construction conference

**LIGHTS, DOME LED (8) Tecniq Y\_\_N\_\_**

Eight (8) Tecniq (E08-LC20-1) LED 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. The dome lights shall be activated by switches on both the attendant control panel and the master control console. The dome lights shall be illuminated at 50% power whenever the patient compartment side or rear doors are opened.

**LIGHTS, Tecniq LED Panel (3) CURBSIDE – ANGLED Y\_\_N\_\_**

Three (3) Tecniq (E30-L010-1) 21 LED lights shall be mounted on an angled panel above the curbside seating area. These lights shall be three way switched from the attendant control panel and the master control console.

**LIGHTS, Tecniq LED Panel (3) STREETSIDE –ANGLED Y\_\_N\_\_**

Three (3) Tecniq (E30-L010-1) 21 LED lights shall be mounted on an angled panel above the street side interior cabinets. These lights shall be three way switched from the attendant control panel and the master control console.

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## **OUTLET, 125VAC -4 OUTLET TRIPP-LITE POWER STRIP**

Y\_\_N\_\_

One (1) Tripp-Lite 9 inch metal power strip shall be provided and installed. The outlet strip shall contain four (4) NEMA 5-15R-HG hospital-grade outlets with 1.28" center to center spacing and two (2) 15-amp resettable circuit breakers. The install location to be determined at the pre-construction meeting.

## **OUTLETS, 125VAC - SIX (6) 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) outlets shall be installed in the street side cabinet action area, one (1) forward and one (1) rearward, to supply 125 VAC to the monitoring equipment. One (1) shall be installed in the secondary action area. Two (2) outlets shall be installed in the lower front wall cabinet, one (1) in the upper cabinet and one (1) in the lower. One (1) shall be installed in Section #2 with the additional Vista Screen. 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".

## **OUTLETS, 12VDC – THREE (3) INTERIOR POWERPOINT**

Y\_\_N\_\_

Three (3) 12 VDC power point outlets shall be installed in the patient compartment, one (1) above the secondary action area, and one (1) in the attendant control panel area in the street side cabinet, and one (1) with the 125VAC on the curbside with the additional VISTA screen. The outlets shall be labeled, "12 VDC". A Schottky diode medical isolator shall be provided to protect the 12 VDC outlets

## **DUAL USB PORT, TWO (2) INTERIOR POWER PORT**

Y\_\_N\_\_

Two dual USB ports shall be installed in the patient compartment with wiring connected to the shoreline. Both shall be installed in the attendant control panel in the streetside cabinet.

## **RADIO ANTENNA BASES - TWO (2)**

Y\_\_N\_\_

Two (2) antenna bases with attached coax cables shall be installed on the module roof. The coax cables shall terminate in the cab behind the driver's seat. Access to the antenna bases shall be through adjacent module interior dome lights.

## **RADIO TIE-IN POINT - (2) 12V/25 AMP– CAB CONSOLE & PATIENT COMPARTMENT**

Y\_\_N\_\_

One (1) set of 12 volt/25 amp radio tie-in points shall be installed in the cab console area of the unit. The set shall include one (1) "Battery Hot", one (1) "Ignition Hot", and one (1) "Grounded" junction stud.



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One (1) set of 12 volt/25 amp radio tie-in points shall be installed in the patient compartment attendant control panel area of the unit. The set shall include one (1) "Battery Hot", one (1) "Ignition Hot", and one (1) "Grounded" junction stud.

## **RECEPTACLE SHORELINE INLET-SUPER 30 AMP, AUTO EJECT**

Y\_\_N\_\_

A Kussmaul super auto eject shoreline inlet receptacle with yellow 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 30-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.

## **SIREN, WHELEN 295-HFSA7-REMOTE WITH MICROPHONE**

Y\_\_N\_\_

A Whelen 295-HFSA7 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 200 WATT, FLUSH MOUNT SIREN with REMOTE SIREN AMPLIFIER**

Y\_\_N\_\_

- Six function siren plus radio repeat and public address. Operates two 100-watt speakers Operates in dual (outputs 2 independent siren tones creating rich harmonic dual tone sound) or mono sound modes.
- External dip switch programmable siren tones.
- PTT (push to talk) switch on microphone overrides all siren functions.
- Removable unidirectional microphone with adjustable microphone volume & adjustable preset radio repeat volume.
- SI TEST®, silent diagnostic test.
- Quick disconnect plug for ease of service or replacement.

## **12 Siren Tones**

Y\_\_N\_\_

- Airhorn • Wail • Yelp • Piercer • Manual Coast to Stop
- Manual • Mechanical Coast to Stop • Hi/Low • Yelp 249
- Warble • Whoop • Mechanical Tone

## **SIREN SPEAKERS, WHELEN SA315 - BEHIND THE GRILLE**

Y\_\_N\_\_

Whelen dual 100 watt siren speakers shall be installed behind the grille area.

## **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 V-MUX electrical system. There shall also be a check out light switch located at the curb and rear doors that

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will allow activation of the left fluorescent 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.

**LIGHTS, Techniq LED PANEL (5) ON MODULE FRONT** Y\_\_N\_\_

The vehicle shall have five (5) amber Tecniq LED (S330) Mini-LED marker lights on the front of the module near the roof line.

**LIGHTS, Techniq LED PANEL (5) ON MODULE REAR** Y\_\_N\_\_

The vehicle shall have five (5) amber Tecniq LED (S330) Mini-LED marker lights on the rear of the module near the roof line.

**LIGHTS, ICC / LED CLEARANCE - ON MODULE REAR** Y\_\_N\_\_

The vehicle shall have three (3) Whelen 900 Red Super LED with clear lenses on the rear of the module near the roof line. Two (2) red and one (1) center amber light. All lights shall have clear lens. The lights shall operate from a switch on the master control console, labeled "Flashers".

**LIGHTS, FRONT GRILLE - (4) WHELEN 500 SUPER LED-RED W/CLEAR LENS** Y\_\_N\_\_

Four (4) Whelen 500 series red super LED warning lights, with clear 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 labeled "Flashers".

**LIGHTS, FRONT MODULE - WHELEN (7)900 - (6)RED, (1) CLEAR LED W/CLEAR LENS** Y\_\_N\_\_

Seven (7) Whelen 900 series super LED warning lights with chrome flanges shall be installed on the module front. There shall be six (6) red and one (1) center clear light. All lights shall have clear lens. The lights shall operate from a switch on the master control console, labeled "Flashers".

**LIGHTS, REAR TAIL - WHELEN 600 LED STOP, TURN, HALOGEN BK-UP** Y\_\_N\_\_

One (1) pair each of Whelen 600 series LED stop/tail lights, turn lights, and halogen back-up lights with chrome bezels shall be installed on the rear of the module.

**LIGHTS, REAR WINDOW-LEVEL - WHELEN (2)900 LED - RED W/CLR LENS** Y\_\_N\_\_

Two (2) Whelen 900 series red super LED warning lights with clear 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, labeled "Flashers".

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## **LIGHTS, REAR MODULE - (2)HALO SCN CLR**

Y\_\_N\_\_

Two (2) Whelen 900 series halogen scene/load lights 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 "Rear Scene Lights".

## **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.

## **LIGHTS, ICC / LED CLEARANCE - ON MODULE SIDE – TECNIQ**

Y\_\_N\_\_

The vehicle shall have two (2) Tecniq (S330) red mini LED marker lights : one (1) red on each side at the rear of the vehicle which will also flash with turn signal.

## **LIGHTS, INTERSECTION FRONT - WHELEN 700 SUPER LED-RED W/CLR LENS**

Y\_\_N\_\_

Two (2) Whelen 700 series red super LED warning lights, with clear lens and water-proof connectors shall be mounted, in 15 degree tilt housings on the front chassis fenders, one (1) on each side. The lights shall operate from a switch on the master control console labeled "Flashers".

NOTE: When vehicle is placed in park, the override switch must be on for intersection light(s) to remain on.

## **LIGHTS, SIDE MODULE SCENE - WHELEN 900 HALOGEN - CLEAR (4)**

Y\_\_N\_\_

Four (4) Whelen 900 series (gradient optics) halogen scene lights with chrome flanges shall be installed, two (2) each module side, inboard of the warning lights. These lights shall operate from switches on the master control console labeled "Left Scene Light" and "Right Scene Light".

## **LIGHTS, SIDE MODULE WARNING - WHELEN 900 SUPER LED-RED W/CLR LENS**

Y\_\_N\_\_

Four (4) Whelen 900 series red super LED warning lights with clear lenses and chrome flanges shall be installed, two (2) each module side, outboard of the side module scene lights. These lights shall operate from a switch on the master control console labeled "Flashers".

## **LIGHTS, INTERSECTION REAR - WHELEN 700 SUPER LED-RED W/CLR LENS**

Y\_\_N\_\_

Two (2) Whelen 700 series red super LED warning lights with clear 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 labeled "Flashers".

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## **MODULE BODY CONSTRUCTION – SEAMLESS**

Y\_\_N\_\_

The module shall be fabricated entirely of parts cut and formed from .125" (minimum) thickness 5052-H32 flat aluminum sheet stock, using CNC machines capable of .0004" repeatability. This is the only alloy that may be used for body parts that are welded together.

The roll-cage type interior super-structure, aluminum partition and module shall all be welded together into a single unit to give optimum strength for patient and attendant protection. The module roof shall be designed with a minimum 1.5" crown to facilitate water runoff.

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.

No VHB bonding tape or other adhesives shall be used in the construction of the ambulance module.

## **SOLE SOURCE MODULE BODY CONSTRUCTION**

Y\_\_N\_\_

It is required that the manufacturer of this vehicle have the ability to manufacture a completed ambulance, with the exception of the chassis, within their own manufacturing facility. The modular body must be built in the manufacturer's facility and shall not be the product of a subcontractor or any company other than the manufacturer.

## **AWS ALUMINUM CERTIFIED WELDERS**

Y\_\_N\_\_

AWS Aluminum Certified Welders shall construct the module.

AWS certificates shall be required to be part of the completed bid packet. Bids without AWS certificates shall be considered non-compliant (no Exception).

## **CONNECTIONS, CHASSIS TO MODULE**

Y\_\_N\_\_

The module shall be bolted to the cab with (28) 5/16" grade 5 stainless steel bolts and nylock nuts evenly spaced along the sides and roof of the cab. A weather proof seal shall be installed between the module and cab. The module body shall be securely fastened to the chassis frame rail with (12) 12 mm bolts through rubber insulating spacers installed at twelve (12) separate locations - (six each frame rail) - providing noise insulation and easy module removal for chassis replacement. The frame mounting bolts shall be properly torqued and secured with locktite. The system used for fastening the module to the chassis frame shall be approved by the chassis manufacturer.

## **ALUMINUM PARTS - MODULE EXTERIOR**

Y\_\_N\_\_

All unpainted exterior aluminum parts shall be bright dip anodized after fabrication to retain the finish and increase corrosion resistance.

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## **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 ECK brand corrosion inhibitor spray.

## **DOOR SKINS, OUTSIDE STORAGE COMPARTMENTS- DIAMOND PLATE INTERIOR SKINS**

Y\_\_N\_\_

The interior door skins for all outside storage compartments shall be constructed of .063" thick aluminum diamond plate.

## **DOOR CONSTRUCTION - GASKET PLACEMENT**

Y\_\_N\_\_

All exterior hinged module doors shall be constructed in an inverted pan-formed design. The pan shall be constructed from .125" thick 5052-H32 flat sheet aluminum. The exterior door skin shall be constructed of .190" thick aluminum and welded to the pan.

Door gaskets shall be attached to the interior side of the door skin. Gaskets attached to interior door frames are not satisfactory and shall not be accepted.

## **EXTERIOR COMPARTMENTS DESIGN**

Y\_\_N\_\_

All exterior compartments shall include these features:

- Sound absorbing slip resistant polyurethane 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 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.
- Lockable, Eberhard "free-floating" type chrome plated handles with rotary locks. A gasket shall be installed under each handle to protect the paint.
- Drip rails shall be installed above all exterior compartment doors.

## **EXTERIOR COMPARTMENTS, VENTING**

Y\_\_N\_\_

A minimum of nine (9) square inches of venting shall be provided inside the #1, #2, #3, & #4 exterior storage compartments to provide for easier closure of the compartment doors.

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**EXTERIOR COMPARTMENTS, VENTING - OXYGEN STORAGE** Y\_\_N\_\_

A minimum of nine (9) square inches of venting shall be provided in the exterior oxygen storage compartment, to dissipate any leaking oxygen gas.

**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.

**HANDLES, EBERHARD - CHROME FREE FLOATING TYPE** Y\_\_N\_\_

Eberhard #EMC-1-2110 chrome "free-floating" handles shall be installed on each exterior module door. The handles shall be large enough to accommodate a gloved hand.

**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.

**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.

**DOCK BUMPERS, REAR** Y\_\_N\_\_

Formed hard rubber dock bumpers shall be attached to the rear bumper.

**HOOK - FERNO # 559 - "J" TYPE ONE (2) IN OUTSIDE STORAGE COMPARTMENT** Y\_\_N\_\_

Two (2) Ferno "J" type equipment hooks (Model# 590) shall be installed in an outside storage compartments to stow purchaser supplied/installed equipment and turn out gear items. Exact placement and compartment location to be determined at a pre-construction conference.

# Barrow County Emergency Services Ambulance Bid Specs

## **ZICO SCBA HOLDERS KD-UH-6-SF (#23891) TWO (2)**

Y\_\_N\_\_

Two (2) Zico SCBA holders KD-UH-6-SF (#23891) shall be provided and installed in a fixed location to be determined at the pre-construction meeting.

## **DOOR SLIDING - MODULE CURBSIDE PASSAGE**

Y\_\_N\_\_

The module body shall include a sliding side entry door to access the curbside of the patient compartment. The door shall slide out and towards the rear of the module body. The door design must meet FMVSS 206 for sliding doors and shall have been cycle tested in excess of 100,000 cycles. The door shall not extend out more than 5 1/4" from the module when in the open position and shall be flush in the closed position. The door shall operate on a total of nine (9) casters and three (3) tracks for ease of operation. The door shall be held closed with two (2) rotary latches and two (2) locking tabs. The door must have a system to prevent the door from self-closing, when unit is parked on an incline. A measured force of ten (10) pounds maximum shall be required to release the door from the open to closed position. A chrome 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 air-core, automotive type door seals to prevent any water from leaking into the vehicle interior. A drip rail shall be installed above the door.

## **DOCUMENTATION REQUIRED:**

Y\_\_N\_\_

The bidder must submit with this bid proposal a listing of not less than 200 ambulances produced with curbside sliding doors in the past four years. The listing is to include a production order number, the purchaser's agency name, and date the ambulance equipped with the curbside sliding door was delivered.

Failure to provide the required documentation shall be considered as non-responsive.

## **LOWERED MODULE SIDES**

Y\_\_N\_\_

Module sides to be as low as possible and still comply with KKK-1822-F ramp break over angle. Lowered sides will allow easier entry into the module as well as increased compartment storage.

## **DOORS - REAR PASSAGE**

Y\_\_N\_\_

There shall be a 47.50" wide x 59" high rear door opening in the patient compartment. The doors shall be flush without a protruding flange or lip. The right rear passage door shall have a lockable, chrome exterior handle. The left rear door shall have a non-locking, chrome exterior handle. All handles shall be installed with a gasket to protect the paint. The hinge shall be full length stainless steel with a 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 .213" steel door latch activator rods with turn buckle adjusters. The doors shall be lockable from the inside and outside.

# Barrow County Emergency Services Ambulance Bid Specs

All doors shall shut on molded, air-core, 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.

**FENDERETTES - POLISHED ALUMINUM**

Y\_\_N\_\_

Polished aluminum fenderettes shall be installed around the rear wheel well openings.

**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 of 180 degrees.

**SWITCH DOOR UNLOCK, WATERPROOF-  
HIDDEN IN FRONT GRILLE AREA**

Y\_\_N\_\_

An exterior hidden door unlock switch shall also be included and located in the front grille area.



# Barrow County Emergency Services Ambulance Bid Specs

## **LOCKS POWER - PASSAGE, COMPARTMENTS, KEY FOBs**

Y\_\_N\_\_

Power door locks shall be included on module passage doors and five (5) outside storage compartments. 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. A keyless entry system shall be installed. The system shall operate with the OEM key fobs to lock/unlock all chassis and module doors.

## **MUD FLAPS, REAR - BLACK RUBBER**

Y\_\_N\_\_

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.

## **REAR STEP/BUMPER -FLIP-UP CENTER SECTION- STAR PUNCHED AND ANODIZED**

Y\_\_N\_\_

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 17" on each end of the bumper shall be constructed from heavy gauge stamped polished stainless steel bumper parts and shall provide smooth rounded corners. The step shall be constructed of star punched .125" thick aluminum diamond plate. Two (2) rear LED step illumination lights shall be provided. All diamond plate surfaces shall be bright dip anodized. 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.

## **RUB RAILS, ANODIZED ALUMINUM**

Y\_\_N\_\_

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.

## **STEPWELL, CURBSIDE DOORWAY**

Y\_\_N\_\_

An aluminum diamond plate step well liner shall be installed in the curbside doorway step area.

## **STONE GUARDS, MODULE FRONT - ANODIZED DIAMOND PLATE (24" H)**

Y\_\_N\_\_

Bright dip anodized aluminum 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.

## **KICKPLATE/THRESHOLD, REAR DOORWAY - ANODIZED DIAMOND PLATE**

Y\_\_N\_\_

A bright dip anodized 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.

# Barrow County Emergency Services Ambulance Bid Specs

## **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.

## **VEHICLE ID PLACARDS (Total 3)**

Y\_\_N\_\_

Three (3) vehicle ID placards shall be provided and installed as follows:

- One (1) located forward on the street side of the module
- One (1) located forward on the curb side of the module
- One (1) located on the rear of the module

## **WINDOWS, PASSAGE DOOR - (CURB SLIDING, REAR FIXED)**

Y\_\_N\_\_

The curbside passage door shall have a 16" x 23" openable (*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.

## **SHELF LINER OSS COMPARTMENT SHELF**

Y\_\_N\_\_

Soft padded non-skid 1/8" thick liner shall be installed on the shelves located in the outside storage compartments. Number of shelves to be lined to be determined at pre-construction meeting.

## **TURTLE TILE MATTING (LT GRAY) BOTTOM OF OUTSIDE COMPARTMEN**

Y\_\_N\_\_

Lt. Gray Turtle tile matting with ramps shall be installed in the bottoms of outside storage compartments #1, #2, #3, & #4 to ensure proper ventilation of the compartment and stored equipment.

## **OUTSIDE STORAGE #1 - STREETSIDE FORWARD #1**

Y\_\_N\_\_

(forward streetside compartment) shall have a 70.00" high x 18.25" wide clear door opening with 79.75" high x 24.25" wide x 20.75" deep interior dimensions. Main Oxygen storage shall be on the right side of vertical divider with storage for one (1) "M" or "H" oxygen cylinder. Oxygen bracket and divider shall be bolted in. A spring loaded hinged acrylic door shall be provided to allow access from inside the patient compartment to the oxygen cylinder valve. The oxygen cylinder shall be secured with a Zico QR-MV bracket. A cylinder changing wrench shall be provided and secured inside the oxygen cylinder compartment. The compartment door shall be held open with a spring loaded gas cylinder. A 9-square inch vent shall be provided in the oxygen storage compartment to permit leaking gas to dissipate to the exterior of the vehicle. A locking handle shall be installed on the exterior of the door. The oxygen cylinder shall be provided by the purchaser.

# Barrow County Emergency Services Ambulance Bid Specs

## **SHELF TRACK - EXPOSED - OSS #1**

Y\_\_N\_\_

Unistrut 1-1/4" x 3/4", 19 gauge "T" grooved track channel shall be installed in outside storage compartment #1. Exposed tracks will be welded in place and coated with Gatorhyde material for a cleaner look and no exposed fasteners.

## **SHELVES TWO (2) IN OUTSIDE STORAGE #1**

Y\_\_N\_\_

Two (2) adjustable shelves with sprayed on polyurethane material shall be provided and installed in outside storage compartment #1.

## **OUTSIDE STORAGE #2 - STREETSIDE CENTER #2**

Y\_\_N\_\_

(street side center compartment) shall have a 37.50" high x 38.5" wide clear door opening with double doors, and shall have 40.50" high x 43.75" wide x 20.75" deep interior dimensions. One (1) fuse holder shall be installed on the inner door skin of the forward compartment door. The compartment double doors shall be held open with two (2) spring loaded gas cylinders. A locking handle shall be installed on the exterior forward door.

## **SHELF TRACK - EXPOSED - OSS #2**

Y\_\_N\_\_

Unistrut 1-1/4" x 3/4", 19 gauge "T" grooved track channel shall be installed in outside storage compartment #1. Exposed tracks will be welded in place and coated with Gatorhyde material for a cleaner look and no exposed fasteners.

## **SHELF ONE (1) IN OSS #2**

Y\_\_N\_\_

One (1) adjustable shelf with sprayed on polyurethane material shall be provided and installed in outside storage compartment #2.

## **OUTSIDE STORAGE #3 - STREETSIDE REAR - TALL DOOR #3**

Y\_\_N\_\_

(street side rear compartment) shall have a 58.50" high x 30.75" wide clear door opening with 60.25" high x 34.5" wide x 20.75" deep interior dimensions. This compartment **shall not have inside access**. 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.

## **SHELF TRACK - EXPOSED - OSS #3**

Y\_\_N\_\_

Unistrut 1-1/4" x 3/4", 19 gauge "T" grooved track channel shall be installed in outside storage compartment #1. Exposed tracks will be welded in place and coated with Gatorhyde material for a cleaner look and no exposed fasteners.

# Barrow County Emergency Services Ambulance Bid Specs

## **SHELVES ONE (1) IN OSS #3**

Y\_\_N\_\_

One (1) adjustable shelves with sprayed on polyurethane material shall be provided and installed in outside storage compartment #3.

## **OUTSIDE STORAGE #4A BOARD/SCOOP, #4B O2 CYL ZICO QR-MV BRKT #4**

Y\_\_N\_\_

(rear curbside compartment) shall have split compartments (#4A / #4B), with a 68.00" high x 24.75" wide clear door opening: compartment #4A shall have 77.75" high x 10.00" wide x 20.75" deep interior dimensions. This compartment shall provide storage for backboards and a scoop stretcher. Compartment #4B shall have a 77.75" high x 18.50" wide x 20.75" deep interior dimensions. Two (2) adjustable shelves shall be installed in compartment 4B. 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.

## **OUTSIDE STORAGE #5 - CURBSIDE FORWARD #5**

Y\_\_N\_\_

(forward curbside compartment) shall have a 46.75" high x 17.25" wide clear door opening. This compartment provides inside/outside storage, and shall have two (2) 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.

## **BATTERY STORAGE COMPARTMENT WITH SLIDE OUT TRAY- CURBSIDE**

Y\_\_N\_\_

A compartment shall be located in the front curbside corner of the module with a heavy duty slide-out drawer. The compartment door shall be located above the front rub rail, and hinged on the forward edge. A locking handle shall be installed on the exterior of the door. All outside storage compartments shall be keyed the same.

## **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.

## **LATCHES, CABINET, CN10 COMPLIANT AS APPLICABLE**

Y\_\_N\_\_

Cabinet(s) shall be KKK-A-1822F Change Notice 10 compliant and conform to all applicable SAE J3058 requirements.

## **CABINET - LEFT WALL, UPPER REAR #1 - FIXED FRAME**

Y\_\_N\_\_

The left wall upper rear interior cabinet (#1) shall have a door opening of 10.75" high x 31.0" wide with interior dimensions of 13.25" high x 33.0" wide x 17.25" deep. The cabinet shall contain a Lift – Up restocking door frame. The cabinet shall be enclosed by one (1) set of sliding acrylic doors and contain one (1) adjustable shelf.

# Barrow County Emergency Services Ambulance Bid Specs

## **CABINET - LEFT WALL, UPPER #1A**

Y\_\_N\_\_

The left wall upper rear interior cabinet (#1A) shall have a door opening of 10.75" high x 26.75" wide with inside dimensions of 13.25" high x 28.75" wide x 17.25" deep. The cabinet shall contain a Lift – Up restocking door frame. The cabinet shall be enclosed by one (1) set of acrylic doors and contain one (1) adjustable shelf.

## **CABINET - LEFT WALL, UPPER #2A**

Y\_\_N\_\_

The left wall upper rear interior cabinet (#2A) shall have a door opening of 19.5" high x 12.75" wide with inside dimensions of 21.50" high x 15.25" wide x 17.25" deep. The cabinet shall contain a right-hinge restocking door frame. The cabinet shall be enclosed by one (1) set of acrylic doors and contain one (1) adjustable shelf.

## **LEFT WALL - ATTENDANT CONTROL PANEL - HINGED PANEL**

Y\_\_N\_\_

The color microprocessor 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.

## **CABINET - LEFT WALL, LOWER REAR #3 - INSIDE/OUTSIDE**

Y\_\_N\_\_

**There will not be a Left Wall, Lower Rear #3 Cabinet.** This opening shall be deleted to allow for Outside Storage #3 – Street side rear to be a sealed compartment for storage of firefighter's turnout gear and SCBA's. This is to eliminate gasses from the firefighter's turnout gear and SCBA's from entering the patient compartment.

## **CABINET - LEFT WALL – BELOW REAR ACTION AREA**

Y\_\_N\_\_

The left wall cabinet below the rear action area shall have a door opening of 11.25" high x 11.25" wide with interior dimensions of 12.75" high x 12.75" wide x 16.25" deep. The cabinet shall be enclosed by one (1) set of sliding acrylic doors and contain one (1) adjustable shelf.

## **PRIMARY ACTION AREA**

Y\_\_N\_\_

The primary action area shall be located beside the attendant seat with work area dimensions of 48.50" wide x 17.00" deep.

## **SECONDARY ACTION AREA**

Y\_\_N\_\_

The secondary action area shall be located to the rear of the CPR seat with work area dimensions of 21.00" high x 16.00" wide x 17.00" deep. On the curbside wall above the secondary action area shall have a second Vista Screen, one (1) 125vac outlet, one 12VDC outlet, and one dual usb port installed on an angled panel above the countertop.

# Barrow County Emergency Services Ambulance Bid Specs

## **DRAWER - SLIDE-OUT / WRITING TABLE STREETSIDE INTERIOR**

Y\_\_N\_\_

A slide-out drawer with hinged acrylic writing table shall be provided in the street side wall beside the attendant seat. The drawer shall be constructed of .090" thick aluminum.

The table writing surface shall be constructed of 1/4" clear acrylic which measures 14.25" wide x 11.25" deep. The drawer interior dimensions shall be 4.50" high x 14.50" wide x 13.25" deep. The drawer shall be secured with one (1) latch. The writing surface shall be installed on top of the drawer with a hinge.

## **CABINET - FRONT WALL, UPPER #1**

Y\_\_N\_\_

The front wall, upper interior cabinet (#1) shall have a door opening of 14.25" high x 25.50" wide with interior dimensions of 16.00" high x 27.25" wide x 17.00" deep. This compartment shall be enclosed by one (1) set of sliding acrylic cabinet doors. The compartment shall contain one (1) adjustable shelf. To the left of this cabinet shall be the PROAIR IW-3856 Heat/AC System.

## **CABINET - FRONT WALL, LOWER - INSIDE/OUTSIDE ACCESS**

Y\_\_N\_\_

The front wall lower cabinet shall have a door opening of 17.75" high x 25.25" wide with interior dimensions of 19.50" high x 31.50" wide x 20.75" deep. This cabinet shall provide inside/outside access and shall have one (1) adjustable shelf on Unistrut adjustable track brackets. One (1) clear light mounted in a removable panel will provide illumination in this compartment. There shall be aluminum beveled ramp edging installed on two edges of each shelf. This compartment shall be enclosed by one (1) pair of 3/8" thick, hinged acrylic doors. Each door shall have a full length hinge, a full length handle, and a latch.

Underneath the front wall lower cabinet shall be a pull out drawer with inside dimensions of 5.25" high x 25.50" wide x 16.25" deep. This drawer shall have a locking stainless steel flush pull latch.

Underneath the pull out drawer shall have installed a MEDI KOOL Model MK-MICRO /H MICRO DEPTH refrigeration unit (see attached). This unit shall be in its own compartment with ventilation on the left and right side of the unit. The exact dimensions of the vents will be determined at the preconstruction meeting.

The remaining cabinet underneath the refrigeration unit will also have inside, outside access and shall have an adjustable shelf installed. There will be no doors installed and will be covered with a net (red).

# Barrow County Emergency Services Ambulance Bid Specs

## **CABINET - FRONT WALL, PDQ (VENTED DOOR)**

Y\_\_N\_\_

The power distribution cabinet (PDQ) shall have a vented, hinged aluminum door secured by a chrome locking lever latch. Door to open towards rear of the ambulance module.

## **CABINET - FRONT WALL, LOWER BELOW PDQ (SINGLE VENTED DOOR)**

Y\_\_N\_\_

The compartment below the power distribution cabinet (PDQ) shall have a door opening of 9.00 high x 11.75" wide with interior dimensions of 9.00" high x 11.75" wide x 19.50" deep. The compartment shall have a vented, hinged aluminum door secured by a chrome locking lever latch. Door to open towards rear of the ambulance module.

## **PARTITION DOORWAY - WITH HINGED DOOR**

Y\_\_N\_\_

A walk-through doorway shall be provided between the cab and patient compartment. The doorway shall extend from the floor to the cab headliner. A hinged door shall be provided for the walk-through partition. The door shall only be opened and closed from the cab side to provide maximum security. The door, in the open position, shall be recessed into the side of the lower front wall cabinet. The door shall be automatically secured while in the open or closed positions, and shall have a window with a minimum of 150 square inches of viewing area. The window shall be located to enable the driver to view into the patient compartment, and to minimize glare from the rear dome lights.

## **CABINET - RIGHT WALL, REAR WITH (1) DOOR FACING AISLE #1**

Y\_\_N\_\_

A storage compartment (#1) shall be provided to the rear of the squad bench and shall be constructed of .125" thick aluminum. The compartment shall face the patient compartment aisle and have a door opening of 30.00" high x 12.25" and contain four (4) adjustable shelves. The compartment shall be enclosed by a 3/8" thick, hinged acrylic door and latch.

## **CABINET – RIGHT WALL, ABOVE SQUAD BENCH #2 & #3**

Y\_\_N\_\_

Two storage compartments shall be installed over the squad bench and have door openings of 6.25”h x 27.25”w and interior dimensions of 6.25”h x 27.25”w x 10.25”h with a center squeeze latch installed in both doors. The cabinet shall contain a Lift – Up restocking door frames. There shall be a minimum of 43” headroom below the cabinets.



# Barrow County Emergency Services

## Ambulance Bid Specs

### **HEAT/AIR CONDITIONING, PROAIR 4X4 AC/HEAT CORE**

Y\_\_N\_\_

A ProAir IW-3856 580 CFM heater/air conditioner system with 56,000 BTU heating capacity and 38,000 BTU cooling capacity utilizing a 4x4 AC/Heat core and with a 10-speed blower controlled through, the pulse-width-modulated output of the microprocessor based electrical system, 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. The rear heater shall have EPDM/Nomex heater hoses. The rear air conditioner shall have barrier air conditioner hoses for R-134A refrigerant. Full module HVAC controls shall be located on both the rear ACP screen and the cab MCC screen.

The module heat and ac system shall be installed in the upper portion of the front wall. Four (4) adjustable heat/ac vents shall be located above the heater/ac

### **CONDENSER – HOSELINE TMC 2007, MODULE FRONT**

Y\_\_N\_\_

A Hoseline TMC 2007 condenser shall be installed on the front of the module. Condenser shall be installed with PR 182-5 brackets. Condenser and brackets are to be painted to match the module.

### **SEATING - SQUAD BENCH BASE W/ STORAGE CNS COMPLIANT VALOR A-VAL BACK WITH FORWARD CABINET**

Y\_\_N\_\_

A squad bench seat with one (1) individual seating positions and ONE (1) VALOR A-VAL shelf mount back frames with internal bolsters will be installed on the curb side of the patient compartment. There shall be two ONE (1) seat belts shall consist of four (4) point / four (4) retractors single click internal mount belt system. A forward cabinet with two pull out drawers shall be installed. The dimensions of the drawers shall be 4.00” high X 10.00” wide X 12.50”deep. A sharps/waste drawer shall be installed below the two upper drawers. All drawers shall have locking stainless steel flush pull latches. The squad bench seats shall be KKK-A-1822F Change Notice 8 compliant and conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seating configuration has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The VALOR A-VAL shelf mount back frames and the bench shall be padded and covered with cushioned, color coordinated, cut and sewn vinyl. A storage area shall be provided in the squad bench base under the lift up cushion. 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.

8/1/17



# Barrow County Emergency Services Ambulance Bid Specs

**ATTN SEAT - USSC VALOR R - BACK INTEGRAL CHILD, SWIVEL SEAT CN8 COMPLIANT** Y\_\_N\_\_

A USSC Valor rear facing, R-back attendant seat with an integrated child seat shall be installed at the head of the patient cot. The attendant seat shall be a two (2) position swivel seat mounted on a pedestal base with a heavy duty seat frame for an ABTS (All Belts To Seat) application with four (4) point / four (4) retractors single click internal mount belt system. The seat shall be 20" wide with discontinuous recline and a 6" horizontal" slide for fore and aft adjustment(s). The seat shall be KKK-A-1822F Change Notice 8 compliant and conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seat has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The seat shall be padded and covered with sewn matching antimicrobial vinyl upholstery

**CPR SEAT FIXED, VALOR A-VAL BACK, CN8 COMPLIANT** Y\_\_N\_\_

A CPR seat shall be installed on the street side of the patient compartment aft of the main action area counter. The CPR seat shall be KKK-A-1822F Change Notice 8 compliant with VALOR A-VAL shelf mount back frame and internal bolsters. The seat belt shall consist of a four (4) point / four (4) retractors single click internal mount belt system. The seat shall conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seating configuration has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment. The VALOR A-VAL shelf mount back frame and the seat shall be padded and covered with cushioned, color coordinated, cut and sewn vinyl.

**HOLD OPENS - SQUAD BENCH LID - GAS CYLINDERS** Y\_\_N\_\_

Two (2) gas cylinders hold -opens shall be provided and installed to hold the cushion in the open and closed position.

**CABINET CONSTRUCTION - INTERIOR – ALUMINUM** Y\_\_N\_\_

All interior cabinets shall be constructed of .090" thick welded aluminum. Wood products shall not be used in the construction of any interior cabinet. All cabinet exteriors, interiors, drawer fronts, drawer interiors, and aluminum doors shall be sealed with a washable sprayed-on multi-use polychromatic coating.

# Barrow County Emergency Services Ambulance Bid Specs

## **RECESSED ADJUSTABLE SHELF TRACK – CABINETS**

Y\_\_N\_\_

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.

## **CABINET DOORS - BRONZE ACRYLIC**

Y\_\_N\_\_

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.

## **CABINETS/ WALLS - POLYCHROMATIC COATING - MARBLE STONE**

Y\_\_N\_\_

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 #99-7371 Marble Stone sprayed-on multi-use polychromatic coating, to create a laminate-free interior.

## **COUNTER TOP - SOLID ACRYLIC – RAVEN BOULDER (BLACK)**

Y\_\_N\_\_

A Meganite solid acrylic counter top, Lava Granite (Dark Gray) #657, with a 1/2" lip shall be installed to prevent equipment from sliding off. The solid acrylic counter top shall be provided on both the primary and secondary action area counters, fore and aft of the CPR seat.

## **UPHOLSTERY - SPRADLING "ARCTIC" CHARCOAL #9017**

Y\_\_N\_\_

All cushions, head pads and seats shall be covered with Spradling International "Arctic" Charcoal #9017 expanded vinyl upholstery material. The arctic vinyl and all foam cushion material shall comply with FMVSS #302 flame spread requirements.

## **LONPLATE II, NON-SLIP EMBOSSED SM. GRID - GUNMETAL #424**

Y\_\_N\_\_

The floor in the patient compartment shall be covered with Lonseal brand "Lonplate II" non-slip; small grid (embossed) Gunmetal #424, 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.

# Barrow County Emergency Services Ambulance Bid Specs

**ASPIRATOR / SUCTION – SSCOR – W/ELECTRIC PUMP- RECESSED** Y\_\_N\_\_

An SSCOR W/electric pump suction system 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 (2) 1200 ml disposable 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.

**ASSIST HANDLES, (6) BLACK RUBBER** Y\_\_N\_\_

A total of six (6) 10-7/8" black vulcanized rubber with steel core assist handles shall be provided and installed: 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.

**CLOCK - TRIN TEC, 8" 12/24 HR, QUARTZ BATTERY - FT SQ BENCH** Y\_\_N\_\_

A Trin Tec 8" diameter, 12/24 hour battery operated quartz clock shall be installed on the curbside forward facing wall at the foot end of the squad bench.

**COT FASTENER - STRYKER PERFORMANCE LOAD CENTER POSITION CN8** Y\_\_N\_\_

A Stryker Performance - LOAD (center mount) fastener system shall be installed on the module floor to accommodate a Stryker cot.

**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.

**EXHAUST VENTILATOR, 3-SPEED - MULTIPLEX ELECTRIC SYSTEM** Y\_\_N\_\_

A three-speed, 300 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 pulse width modulated from a switch on the attendant control panel vista screen. 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, not through the roof.

**ZICO QR-D-2 STORAGE BRACKET FOR "D", JUMBO "D"  
OR STEEL "D" CYLINDER** Y\_\_N\_\_

Zico #QR-D-2 storage bracket which shall be CN9 compliant to meet J3040 requirements shall be installed for one (1) "D", Jumbo "D", or steel "D" oxygen cylinder in a location to be determined at a pre-construction conference.

# Barrow County Emergency Services Ambulance Bid Specs

**FIRE EXTINGUISHER - (1) ABC DRY CHEM 10 LB. WITH BRACKET** Y\_\_N\_\_

One (1) ABC Dry-Chemical, 10 lb. Fire extinguisher shall be shipped loose with the vehicle

**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.

**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.

**GLOVE DISPENSER - (3) BOX – ABOVE ENTRY DOOR – CURBSIDE (ABS)** Y\_\_N\_\_

A three (3) - box glove dispenser unit, with a clear plexi hinged access panel with three (3) cut-outs, shall be recessed in the headpad above the curbside entry door. The dispenser shall be 8.25" high x 33.50" wide with interior dimensions of 5.38" high x 30.25" wide x 3.25" deep.

**GRAB RAIL, 1-1/4" DIAMETER, (96") OVER COT AREA** Y\_\_N\_\_

One (1) 1-1/4" diameter x 96" long stainless steel grab rail shall be installed on the ceiling for attendant/ patient balance control. The grab rail shall be attached to the ceiling with three (3) mounting brackets that secure it to the super structure of the module. Installation of the grab rail shall comply with AMD-008 requirements.

**HEADLINER - REAR PATIENT COMPARTMENT** Y\_\_N\_\_

The headliner in the patient compartment shall be one-piece, seamless, .090 thick aluminum finished with sprayed-on multi-use polychromatic coating.

**I V HANGERS - CEILING RECESSED - CAST PRODUCTS #IV2008-1 (2)** Y\_\_N\_\_

Two (2) Cast Products #IV2008-1 recessed, dual, ceiling I.V. hangers shall be provided. One (1) installed near the street side above the cot area, and one (1) near the curbside above the squad bench area.

# Barrow County Emergency Services Ambulance Bid Specs

## **NET, SQUAD BENCH - CURBSIDE INTERIOR (RED)**

Y\_\_N\_\_

A removable net shall be installed at the forward end of the curbside squad bench. The net shall be red in color and constructed of safety belt webbing material. The net shall be anchored to the curbside wall, ceiling, and the forward end of the squad bench into .50" thick aluminum tapping plates. The net shall be removable for cleaning, via the use of seatbelt type buckles.

## **OXYGEN OUTLETS – FOUR (4) WALL - OHIO MEDICAL TYPE**

Y\_\_N\_\_

Three (3) Ohio Medical flush mounted, quick release wall outlets shall be installed. Two (2) in the forward street side cabinet action, one (1) shall be installed in the wall above the squad bench, and one (1) installed in the ceiling over the stretcher area with the exact location to be determined at the prebuild conference.

## **FLOW METER, OXYGEN - THORPE STYLE**

Y\_\_N\_\_

One (1) Thorpe style oxygen flow meter (15LPM) shall be shipped loose with the completed vehicle.

## **OXYGEN SYSTEM, ELECTRIC - MULTIPLEX ELECTRIC SYSTEM**

Y\_\_N\_\_

A 12 VDC controlled electric O2 system operated through the v-mux multiplex electrical 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 microprocessor 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.

## **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.

# Barrow County Emergency Services Ambulance Bid Specs

## **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 CPR seat, and on the curbside wall behind the squad bench. The pads shall be covered with a flame retardant color coordinated vinyl upholstery material.

## **SHARPS AND TRASH CONTAINERS - ACCESS THRU SQUAD BENCH LID**

Y\_\_N\_\_

A 6.9 qt. #BD5489 sharps container, and a 8 qt. trash container shall be installed in the forward end of the squad bench base. The containers shall be access through drawer located underneath the two drawers at the forward end of the squad bench and labeled with a biohazard warning label.

## **SQUAD BENCH FACE - VINYL FLOORING MATERIAL**

Y\_\_N\_\_

The face of the squad bench shall be covered with vinyl flooring material.

## **DOOR PANELS - MODULE PASSAGE DOORS – FULL LENGTH ALUMINUM W/ACCESS PANELS**

Y\_\_N\_\_

The inner door panels shall be manufactured from aluminum, and covered with a washable sprayed-on multi-use polychromatic coating. The panels shall run the full length of the door and will contain a removable latch access panel.

## **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 CPR seat cushion down to the flooring material to protect this area when the cot is taken in or out of the vehicle.

## **TURTLE TILE - SKID-RESISTANT MAT, CURBSIDE STEPWELL**

Y\_\_N\_\_

Skid resistant charcoal gray turtle tile matting shall be installed in the curbside step well.

## **PPG PAINT PROCEDURE**

Y\_\_N\_\_

All non-anodized aluminum module body surfaces shall be completely chemically steam cleaned, filled with premium body filler as needed, sanded smooth and primed with F-3993 epoxy primer and then primed again with F-4930 high solid primer.

The cured primer surfacer shall be DA sanded with 320 grit and cleaned with DX-330. F-4930 high solid primer shall then be applied, where needed, as a sealer.

# Barrow County Emergency Services Ambulance Bid Specs

**CLEAR COATING - MODULE PAINT** Y\_\_N\_\_

The entire module shall be clear-coated, using an Axalta Process, sprayed over the final paint coat

**BUFFING, PAINT – MODULE** Y\_\_N\_\_

The paint on the module sides shall be buffed to a high shine using a recommended paint buff system.

**PAINT CAB TWO-COLOR METALLIC COLOR, PLUS CLEAR COAT** Y\_\_N\_\_

The entire cab shall be sprayed two-color metallic and then clear coated. The PPG paint code and color will be provided at the pre-construction meeting.

**PAINT MODULE THREE- COLOR, PLUS CLEAR COAT** Y\_\_N\_\_

The entire module shall be sprayed three-color metallic and then clear coated. The PPG paint code and color will be provided at the pre-construction meeting. The roof of the module shall be painted white.

**BLACK REFLECTIVE MATERIAL IN RUB RAILS** Y\_\_N\_\_

Rub rails shall incorporate a 5/8" wide black reflective scotchlite safety accent stripe.

**DOOR REFLECTIVITY** Y\_\_N\_\_

Reflective material (25" x 2.5" red/silver 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.

# Barrow County Emergency Services Ambulance Bid Specs

## 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

## WARRANTIES

Y\_\_N\_\_

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

- Structural Module Warranty - Limited Life Time
- Ambulance Conversion Warranty - 2 Years/30,000 Miles
- Electrical Warranty (Multiplex-based systems) - 7 Years/ 84,000 Miles
- PPG Paint Warranty - This pro-rated warranty covers the areas of the ambulance body finished with specified PPG 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 the Manufacturer/PPG and performed by the Manufacturer.

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



# Barrow County Emergency Services Ambulance Bid Specs

Your Climate Control Solution

Page 10

## MODEL: MK-MICRO /H MICRO DEPTH



The smallest, most efficient refrigeration unit available. Compressor can be mounted to the rear, right, left or top of the unit. Door can be hinged right or left.

### Internal Dimensions

**10" Wide x 9 7/8" Deep x 5 3/4" High**

External Dimensions--includes 1"

Flange NOT INCLUDING

COMPRESSOR

13" Wide x 12 5/8" Deep x 10 1/2" High

### Compressor Location and Dimensions:

The compressor can be mounted on the left, right, top or rear of a unit.

Please make sure to include the compressor dimensions when measuring for installation.

### COMPRESSOR LEFT, RIGHT, REAR :

13" Wide x 7" Deep x 7

1/2" High COMPRESSOR

### TOP:

13" Wide x 7" Deep x 8 1/2 High

### Weight

Unit weight is 35 lbs.

8/1/17

**BID FORM**

**Page 1**

**(SUBMIT ONE ORIGINAL (UN-BOUND) AND FOUR COPIES)**

PROJECT: **RFB2018-9** – EMERGENCY MEDICAL AMBULANCE  
(Per attached specifications)

SUBMITTED TO: Barrow County Board of Commissioners

SUBMITTED BY (NAME, ADDRESS AND TELEPHONE NUMBER OF COMPANY):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Barrow County Board of Commissioners:

Having carefully examined the Request for Bid and Related Documents for RFB2018-9, and Addendum(s) \_\_\_\_\_, the undersigned proposes to furnish the following vehicle per Specifications for the following amounts:

Emergency Medical Ambulance	Delivered Price	Lead Time in Calendar Days	Warranty Period*
1 New 2018 Ford E450 Cutaway Chassis, 158" WB 4x2 DRW (100C.A.) Gas Engine Emergency Medical Ambulance per attached specifications. Attach detailed specifications and explanation of any deviations to the specifications.	\$ _____ Each	_____ Days	_____
<b>GRAND TOTAL – 1 vehicle</b>	\$ _____		

Barrow County Board of Commissioners would like to explore all of its options when considering the purchase of an Emergency Medical Ambulance. Therefore, we have made a provision below for your Company to provide additional information for demo units you may have available.

**OPTIONAL:**

Please list any available Demo vehicles that are similar in specifications referenced in this RFB below along with price. Provide a complete set of specifications along with a list of existing equipment, photos, warranty and delivery in calendar days.

DEMO \$ \_\_\_\_\_

**BID FORM**

**Page 2**

Bidder agrees to accept the Barrow County Purchase Order Form to execute the actual purchase of the equipment; no other contract document is required for the purchase. No monies will be paid up front; payment will be made Net 30 days from receipt of material.

Signed, sealed, and dated this \_\_\_\_\_ Day of \_\_\_\_\_, 2017.

Bidder: \_\_\_\_\_(Seal)  
(Company Name)

By: \_\_\_\_\_

Title: \_\_\_\_\_

\*Attach warranty statement.

**BID FORM**

**Page 3**

**EXCEPTIONS / CLARIFICATIONS**

Each vendor may copy this form as necessary to sufficiently list all exceptions and variations from specifications (please list as shown by page, reference number and check if vendor chooses not to supply, or is unavailable or describe deviation or substitution in detail, if furnished). Purchaser will be the sole judge of proposed substitution equivalency.

VENDOR NAME: \_\_\_\_\_

OFFERING: \_\_\_\_\_

EXCEPTION PAGE: \_\_\_\_\_ OF \_\_\_\_\_

<u>SPEC</u>	<u>REF.</u>	<u>CANNOT</u>	<u>N/A</u>	<u>EXPLANATION FO DEVIATION &amp; SUB:</u>
<u>PAGE</u>	<u>NO.</u>	<u>SUPPLY</u>		