



HYDE COUNTY
Emergency Services

30 Oyster Creek Road/PO Box 95

Swan Quarter, NC 27885

Telephone: (252) 926-4191 Fax: (252) 926-3709



**REQUEST FOR PROPOSALS (RFP)
TO PROCURE TWO (2) TYPE I FORD F-450 AMBULANCES**



Issued by the Hyde County Emergency Services Department

Proposals to be submitted before: July 3, 2017 @ 5:00 PM



HYDE COUNTY

Emergency Services



30 Oyster Creek Road/PO Box 95

Swan Quarter, NC 27885

Telephone: (252) 926-4191 Fax: (252) 926-3709

TO: All Prospective Proposers for the Purchase of Two (2) Type I Ford F-450 Ambulances

FROM: Justin L. Gibbs, Hyde County Emergency Services Director

DATE: June 19, 2017

RE: **Request for Proposals (RFP) to Procure Two (2) Type I F-450 Ambulances**

Proposals will be received by the Hyde County Emergency Services Department (HCESD) until 5:00 PM on Monday, July 3, 2017.

Proposals should be mailed to:

Hyde County Emergency Services Department
Attn: Justin L. Gibbs, Emergency Services Director
P.O. Box 95
Swan Quarter, NC 27885

** If you are mailing your proposal, please reference the Hyde County RFP # H06-2017-AT1-F450X2 on the envelop/package.*

Or delivered to our physical address at:

Hyde County Emergency Services Department
30 Oyster Creek Road
Swan Quarter, NC 27885

Please note that if the proposal is mailed rather than delivered, it is the full responsibility of the proposer to ensure that the package is received by the Hyde County Emergency Services Director prior to the specified time and date of the closing. Proposers must submit the forms

provided in this request with all the blanks completed. **The County of Hyde will not accept proposals that are not timely or properly completed/executed.**

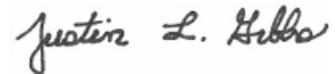
The County of Hyde intends to award this contract to the lowest responsible and responsive proposer. All proposals will be evaluated based upon the following criteria:

- Completeness of the Proposal
- Manufacturing and Delivery Schedule
- Primary Manufacturer's Demonstrated Capabilities and Qualifications
- Primary Manufacturer's Past Performance on Similar Proposals
- Primary Manufacturer's Maintainability and Recommendations
- Primary Manufacturer's Logistical and Service Support

A bid opening will be held in the Hyde County Government Center Multipurpose Room on July 5, 2017 at 10:00 AM. The bid tabulation will be posted on the local government's website at: http://www.hydecountync.gov/departments/emergency_services.php.

Any questions regarding submittal or specifications should be emailed to Justin L. Gibbs at justin.gibbs@hydecountyems.co and a Frequently Asked Questions (FAQ) document will be posted on the website listed above.

Thank you for your interest in submitting a proposal and we look forward to reviewing the contents!



Justin L. Gibbs
Hyde County Emergency Services Director
(O) 252-926-4191
(F) 252-926-3709
(C) 252-542-0806

justin.gibbs@hydecountyems.co

HYDE COUNTY EMERGENCY SERVICES DEPARTMENT

IT IS AGREED BY THE PROPOSER THAT THE SIGNING AND DELIVERY OF THIS PROPOSAL REPRESENTS THE ACCEPTANCE OF THE TERMS AND CONDITIONS PRESENTED HEREIN AND IF AWARDED THE CONTRACT BY THE COUNTY OF HYDE, THIS PROPOSAL SHALL SERVE AS THE BASIS FOR THE AGREEMENT BETWEEN THE PARTIES.

Sign in ink in the space provided below. UNSIGNED proposals will be considered incomplete and the proposer will be classified unresponsive.

Name of Firm: _____

Signature: _____

Title: _____ Date: _____

Street Address: _____

Mailing Address: _____

City: _____ State: _____ ZIP Code: _____

Contact Numbers: _____ (Telephone) _____ (Fax)

Email Address: _____

Make: _____

Model: _____ Manufactured Year: _____

Delivery will be made within _____ days of receipt of the chassis by the manufacturer.

BID AMOUNT: _____

DELIVERY AMOUNT: _____

County of Hyde

One (1)

== Ford, F-450,165"WB, 4x4, XLT,153",#1153F - 620.035 12/22/16 ==

Y___N___

One (1)

CHASSIS:

Y___N___

A1.0 SCOPE, PURPOSE AND CLASSIFICATION

A1.0.1 SCOPE

This specification covers a new commercially produced surface emergency medical care vehicle(s), herein referred to as an “ambulance” or “vehicle”. This vehicle shall be in accordance with the Ambulance Design Criteria of the National Highway Traffic Safety Administration, United States Department of Transportation, Washington DC. This specification is based on current KKK - A1822 - E revision. It is the intent of this agency to purchase vehicle(s) that are professionally engineered and designed. It is paramount to this agency that vehicle(s) presented be built by a reputable manufacturer with considerable experience in the ambulance manufacturing field. To this end, this agency requires that each manufacturer provide the following:

- 1] A statement of fact, signed by an officer of the manufacturing company, disclosing that the manufacturer has delivered five hundred (500) ambulances within the last twelve (12) months of the date of this bid.
- 2] The size and location of manufacturing facilities and number of production staff.
- 3] Interior pictures to verify plant facilities.
- 4] A list of on-site engineering staff with educational accreditation.
- 5] ISO 9001:2008 Certification.

Failure to provide this agency with the documentation required will be deemed non-responsive.

A1.0.2 PURPOSE

The purpose of this document is to provide the manufacturer with a set of specifications and test parameters that will meet the criteria to manufacture a vehicle as set forth by this agency. This agency seeks a vehicle that will deliver “fair value”. Fair value is defined by this agency as the manufacturer's ability to provide a safe, functional, and practical ambulance conversion that will work in junction with the chassis specified at a reasonable cost. The specifications within this document are a basis to deliver such a vehicle to this agency. This agency at

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its discretion shall assess the intangible assets of the manufacturer such as, but not limited to, after quality, delivery support, customer service, parts availability and warranty turn around time.

A1.0.3 CLASSIFICATION

This specification calls for the following type of vehicle in accordance with the current KKK-A1822-F revision.

A1.1 GENERAL

This is an engineer, design, construct and deliver type specification meeting the needs of this agency. Attention has been given to the engineering and design aspect of this specification that will attain our goal of fair value. It is the manufacturer's responsibility to deliver a product meeting the criteria as set forth. This agency reserves the right to increase the equipment quantities that are specified. In addition, other agencies will be permitted to purchase equipment under this contract as a result of this specification, unless prohibited under law.

A1.1.1 SITES OF WORK

Other than the chassis, specified accessories, and raw materials such as aluminum, wood, etc.; all shops and sub-shops shall be within the complex(s) that are directly owned and controlled by the primary manufacturer. Any assemblies including, but not limited to, upholstery, fiberglass, cabinetry, electrical, structural and paint application, that are performed or supplied outside of the primary manufacturer's location(s) must be noted. The name, address, and contact person supplying the primary manufacturer with the assemblies must be provided in writing to this agency. Non-disclosure will be sufficient grounds for rejection of bid or termination of contract. Ambulances or chassis' imported for consideration of this specification into the United States under the North America Free Trade Act must provide documentation of compliance with all United States laws applicable. Further, any import ambulance must be independently certified and tested within the United States to meet KKK-A1822-F certification.

A1.1.2 EXAMINATION OF SPECIFICATIONS

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It is incumbent on each manufacturer to be thoroughly familiar with the specification contained herein. The specification will require a “YES” or “NO” or when requested a definitive answer to each section or subsection. Sections or subsections not marked with a “YES” or “NO” or answered shall be deemed incomplete and considered non-responsive. A “YES” answer constitutes a complete compliance to the section or subsection as written. A “NO” shall indicate noncompliance and does not eliminate a manufacturer from competition. A manufacturer may object or counter to a specific section or subsection. A manufacturer must indicate in writing, as an attachment, the section or subsection in dispute. The manufacturer must include the verbiage as written, new verbiage presented, explanation of verbiage with consequences and supporting tests and documentation. Failure to comply will be deemed as non-responsive. This agency reserves the right to determine compliance.

A1.1.3 DEFINITIONS: The following definitions shall apply with regards to these specifications.

A1.1.4 PURCHASER: The end user of the equipment specified or the applicable purchasing agency acting on behalf of the end user.

A1.1.5 CONTRACTOR: The individual, firm, partnership manufacturer, or corporation to whom the contract is awarded by the Purchaser and is subject to the terms thereof. For bidding purpose the contractor, vendor, bidder, manufacturer are synonymous.

A1.1.6 EQUAL: This agency supports the design, engineering, quality and materials as specified in this document. This shall not prohibit the bidding of unlike product. However, any deviation from the specification must be marked and submitted per section A1.1.2. Failure to do so shall be deemed non-responsive.

A1.1.7 MANUFACTURER: The manufacturer within this specification shall be considered the “primary manufacturer” of the ambulance conversion. The chassis requirement as set forth in this specification is the responsibility of the primary manufacturer to procure. This agency considers the chassis platform as a conveyance for the ambulance conversion. It is imperative that the primary manufacturers procure the **exact** chassis from the chassis manufacturer. After market modifications by the primary manufacturer to achieve chassis specification will not be tolerated. This agency will require documentation from the chassis manufacturer pertaining to the chassis requirements for this agency. Failure to provide documentation after award and prior to construction may result in the termination of the contract. Expenses to re-bid will be the responsibility of the manufacturer in default.

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A2.0 SPECIAL CONDITIONS

A2.1 BIDDERS RESPONSIBILITY AND QUALIFICATION

A2.1.1

It is not the intent of these specifications to call for an unusual or experimental vehicle(s). The primary manufacturer shall have a minimum of 10 years of uninterrupted manufacturing of similar or identical vehicles to the specifications set forth in this bid.

A2.1.2

If requested by the purchaser, the primary manufacturer shall supply upon request a list of fifteen (15) agencies that have purchased similar or identical vehicles within the past year from date of bid. The list will have contact names and phone numbers.

A.2.1.3

For the purpose of this section, if the bidder of record and the primary manufacturer are separate business entities, then each shall be required to submit financial, insurance, and/or licenser to conduct business within this jurisdiction. Failure to provide proper documentation with the bid response may result in any bid being deemed non-responsive.

A.2.1.4

The primary manufacturer shall be ISO 9001:2008 certified. **No Exceptions.**

A.2.1.5

The primary manufacturer shall employ full time a Quality Control Manager whose primary function is to monitor quality. **No Exceptions.**

A2.2 PAYMENT, DELIVERY AND ACCEPTANCE

A2.2.1

A deposit may be remitted with the order not to exceed ten percent (10%) of the total contract amount. This agency reserves the right to issue a binding municipal

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Purchase Order in lieu of a deposit. The choice to submit either the deposit and/or the binding purchase order will be that of this agency.

Prepayments or progress payments for any part or material after contract award may result in a termination of the award. The contract will be given to the next responsible primary manufacturer. It is the intent of this agency to do business with a company of sufficient financial means to meet the financial burdens necessary complete and delivery the vehicle as specified.

Unless otherwise requested, the primary manufacturer shall arrange over the road delivery of the completed vehicle to this agency's designated local address under the vehicles own power. Costs of transportation and preparation are to be included with the price as bid. The primary manufacturer, may as an option, offer a line item credit for pick up by this agency at their place of manufacture.

Payment in full will be made upon delivery once an inspection of the vehicle by this agencies authorized representative(s) confirms compliance with the specification. The delivery, acceptance inspection, and payment shall take place on the same day. In the event it is deemed necessary for this agency to inspect the vehicle(s) at the primary manufacture location, a temperature controlled inspection area separate from the production facility shall be available.

A2.2.2

All bid prices and conditions must be specified on the Bid Proposal Form.

A2.2.3

Bid prices shall be valid for sixty (60) days. In the unforeseen circumstance that this agency requires the primary manufacturer to extend pricing requirement; then it will be at the discretion of this agency to request in writing from the primary manufacturer any deviation in prices quoted. The primary manufacturer may revise pricing and state in writing reasons for any change and certify the amended pricing for sixty (60) additional days.

A2.3 BID EVALUATION

Bids received shall be evaluated by the Purchaser. This evaluation will be based on the following:

Completeness of the proposal
Manufacturing and Delivery schedule
Primary manufacturer's demonstrated capabilities and qualifications

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Primary manufacturer's past performance on similar Bid Proposals
Primary manufacturer's maintainability and recommendations
Primary manufacturer's logistical and service support

A2.3.1

Bid proposals taking total exception to these specifications will not be accepted.

A2.3.2

Bid proposals that do not comply with the prescribed method to take exceptions listed in paragraph A1.1.2 will be rejected without further consideration.

A2.3.3

This agency seeks the highest level of value for the cost. To assure this agency is receiving such value the primary manufacturer must submit evidence of compliance with KKK-A1822-F testing parameters. The testing is to be performed by an independent testing facility and verified by person(s) with the standing of Professional Engineer. If further testing is required by any lawful agency of the Federal or State Government, then it shall be incumbent upon the primary manufacturer to provide this agency with certification required.

A2.3.4

This agency also recognizes Ford Motor Company's Qualified Vehicle Modifiers (QVM) accreditation. Therefore, regardless of chassis specifications the primary manufacturer must include with this proposal their current QVM certification.

A2.3.5

Internal testing performed and certified for a primary manufacturer will not be considered by this agency.

A2.3.6

The primary manufacturer may submit certification of all “member in good standing” of any public or private association that may have bearing on this specification i.e. AMD, NTEA.

A2.3.7

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To insure this contract is awarded to a primary manufacturer who has the resources to meet the performance and warranty criteria specified herein, the primary manufacturer shall state in the bid proposal if it is a public or private company. If the primary manufacturer is privately held then it shall include the most current financial statement by a Certified Public Accountant not more than twelve (12) months old, or current financial statement of the parent company. If the primary manufacturer is a publicly held company or wholly owned by a publicly held company, then it shall state what stock exchange and under what symbol it is traded under. **Bids not meeting this requirement cannot be accepted.**

Note: In performing the evaluation, only information contained within the primary manufacturer's written proposal will be considered.

A2.4 CONTRACT AWARD

The Purchaser reserves the right to increase the number of vehicles or equipment specified under this contract. If awarded, the primary manufacturer agrees that additional agencies may purchase under the same terms and prices afforded by any contract arising from the bid award, unless prohibited by law.

A2.4.1

The purchaser has the right to waive any informalities, irregularities, and technicalities in procedure.

A2.5 WARRANTY

This agency is concerned with the ability of the primary manufacturer to warrant the conversion after delivery. This agency expects a minimum of a fifteen (15) year modular construction warranty and twelve (12) months and twelve thousand (12,000) mile full warranty on the conversion. In addition, each manufacturer shall submit their various warranties and warranty options, if applicable, with the proposal for evaluation. Also, each primary manufacturer will supply the name and phone number of a contact person in the event this agency requires clarification of the submitted warranty documents.

The primary manufacturer will provide the location of the closest approved warranty center. Indicate to this agency, in writing, to be included with this proposal; the process to initiate and file a warranty claim.

A2.5.1

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Due to the high demands on a pre-hospital care vehicle, this agency demands the primary manufacturer have available a twenty-four hour a day technical assist service. This 24/7 service must be staffed by the primary manufacturer's service personnel, include telephone number: _____.

A2.6 DELIVERY

The primary manufacturer will provide in writing to accompany this document a proposed delivery time. The delivery time proposal will include the transit time of the finished vehicle.

A2.7 BID GUARANTY

A Bid Guaranty is not required for this bid.

A2.8 PERFORMANCE BOND

A Performance Bond is not required for this bid.

A2.9 INDEMNIFICATION AND INSURANCE

This agency seeks to mitigate future liability exposure; therefore, all primary manufacturers will submit their Certificate of Insurance for evaluation. This agency will only consider a primary manufacturer with a minimum of Twenty-Five Million United States Dollars (\$25,000,000.00 USD) that is based on a **PER INCIDENT** basis. This insurance shall be issued by a company rated "A" or better as reported in the current edition of Bests Key Rating Guide, published by Alfred M. Best Company, Inc. Aggregate liability coverage will not be considered regardless of amount. Failure to comply will be deemed non-responsive.

A2.10 FAMILIARITY WITH LAWS

The primary manufacturer will be familiar with all Federal, State and Local laws, ordinance, code rules and regulations that may in any way effect the work. Ignorance on the part of the primary manufacturer is not acceptable.

A2.11 PRE-CONSTRUCTION CONFERENCE

The successful primary manufacturer shall be required to hold a pre-construction conference with representatives of this agency to finalize construction details. In the event it is deemed necessary by both parties that the conference be held at a location other than at this agency; the following shall occur. The primary

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manufacturer will provide adequate transportation, lodging, and meals for two (2) designated personnel from this agency. Further, if the location is in an excess of three hundred (300) miles from this agencies location, the transportation shall be by a commercial air carrier. Private or corporate aircraft may not be used.

A2.12 DRAWINGS

The primary manufacturer shall provide a set of drawings that accurately depict the vehicle as specified. The drawings will show all exterior and interior planes with dimensions. Failure to comply will be deemed non-responsive.

A2.13 EMPLOYEE STATEMENT

It is mandated by the United States Government that all employees currently and to be employed during the duration of this contract are not discriminated against because of their race, creed, color, sex, nationality origin and disability. Further, this agency must be satisfied that the primary manufacturer's labor pool is treated in a fair and equitable manner. Therefore, it will be the responsibility of the primary manufacturer to include a human resource statement outlining employment status, working conditions, and benefits.

A2.14 ANTI-COLLUSION STATEMENT

By signing this bid, the primary manufacturer agrees that this bid is made without any understanding, agreement or connection with any other person, firm or corporation making a bid for the same purpose and this bid is in all respects fair and without collusion or fraud.

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One (1)

Ford 2017 F-450, 4x4, XLT, 6.7L, 153", #1153F 2017-1

Y___N___

3.0 TECHNICAL REQUIREMENTS CAB - CHASSIS

3.1 GENERAL VEHICULAR DESIGN, TYPES, AND FLOOR PLAN

The ambulance and the allied equipment furnished under this specification shall be the primary manufacturer's current commercial vehicle of the type and class specified. The ambulance shall be complete with the operating accessories as specified herein. It shall be furnished with such modifications and attachments as necessary and specified to enable the vehicle to function reliably and efficiently in sustained operation. The design of the vehicle and the specified equipment shall permit accessibility for servicing, replacement and adjustment of component parts and accessories with minimum disturbance to other components and systems.

3.1.2

The ambulance shall be a Type I, Class I, and shall be a chassis furnished with a two (2) door conventional cab. The chassis shall be suitable for subsequent mounting of a modular (containerized), transferable equipped ambulance body conforming to the requirements herein.

3.1.3

The design of the vehicle shall utilize floor plan "A" loading arrangement of patients into the patient compartment. All litters shall be loaded into position with the heads of the patients forward in the vehicle.

3.2 VEHICLE COMPONENTS, EQUIPMENT, AND ACCESSORIES.

The emergency medical care vehicle, chassis ambulance body, equipment, devices medical accessories and electronic equipment to be delivered under this contract shall be standard commercial products, tested and certified, to meet this specification. The vehicle shall comply with all Federal Motor Vehicle Safety Standards (FMVSS) and United States regulations applicable or specified for the year of manufacture. The primary manufacturer shall procure the chassis, components, equipment and accessories as specified and be the current technical data and materials of all suppliers.

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3.3 MATERIALS

Materials used in the construction shall be new and meet the quality conforming to this specification. Materials shall be free of defects.

3.4 VEHICLE OPERATION, PERFORMANCE, AND PHYSICAL CHARACTERISTICS

The following is a description of the cab and chassis that will meet the requirements of this specification. In addition, the chassis will comply with paragraphs 3.4.1 through 3.6.14 of Federal Specification KKK-A-1822F.

3.5 CHASSIS MANUFACTURER AND MODEL YEAR

The chassis shall the requirements of this specifications a 2017 Ford.

3.6 MODEL PHYSICAL CHARACTERISTICS

Vehicle:	Ford Chassis Cab	
Body Style:	Super Duty F-450 Dual Rear Wheel	
Drive Train:	Four Wheel Drive	
	213 Electronic Shift on the Fly	
Model Number body code:	F4H Regular Cab 169" wheel base XLT	
Gross Axle Weight:	Front	Rear
	7,000 lb.	12,000 lb.
Gross Vehicle Weight	Rating	
	16,500 lb.	
Engine Type:	99T 6.7L Diesel V8 with 98R Manual Regen	
Displacement	6.7 liters	
Fuel System	Turbocharged DI	
SAE net HP	325 @ 2000 RPM	
SAE net Torque	570 foot pounds @ 2000 RPM	

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Wheelbase:	169 inches
Transmission:	6 - speed Automatic, Electronic
Rear Axle Ratio:	4:10 Ltd Slip
Tire Size:	LT225/70Rx19.5F, BSW All Season, 2 front, 4 rear
Spare Tire Size:	LT225/70Rx19.5F, BSW All Season
Wheels	All including spare, steel 19.5.0 x 6.0
Brakes:	4-Wheel ABS System
Engine Block Heater:	Code 41H
Alternators:	Dual HD Alternators, Code 67B
Batteries:	Dual, 78-AH 750 CCA
Fuel Tank:	Single 40 Gallon, aft of rear axle
Exterior Upgrade Package:	647A
Interior Upgrade Package:	647A
Cab seats:	Code 3- 40/20/40 Cloth
Ambulance Prep. Package:	Code 47L
A/C Heater Connector Pkg:	Code 57L
Steering:	Power
Stereo	AM/FM, Single CD Player, Clock
Running Lights	Day Running Lights, Code 942
Pedals	Adjustable Gas and Brake Pedals, Code 62M

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4.5 ELECTRICAL GENERATING SYSTEM

The vehicle shall be equipped with the OEM supplied dual HD OEM alternators.

4.6 ENGINE AUTOMATIC HIGH IDLE SPEED CONTROL

The Engine high idle shall be regulated by the OEM supplied high idle speed control. The control shall be mounted in the cab console.

4.7 DRIVER'S COMPARTMENT

The driver's compartment shall be as required by paragraphs 3.9.1, 3.9.2, and 3.9.4 of Federal specification KKK - A - 1822F as well as section 3.0 of this document. The cab shall be equipped with the chassis manufacturer's high back seats. The safety restraint system for the driver and passenger shall be installed by the chassis manufacturer. Modifications or substitutions of the chassis manufacturer's cab seats or restraint system will not be acceptable.

4.8 OUTSIDE REAR VIEW MIRRORS

The vehicle mirrors should be firmly secured, vibration less rear view mirrors totaling at least one hundred and twenty five square inches. The mirrors shall be OEM, manually telescoping trailer tow, power/heated glass, integrated clearance lights and turn signals, and a two-way fold.

Bidder Complies YES_____ NO_____

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One (1) **Bellows, Passthru, Unigrip, F1 2008+, Std** Y__N__
CAB PATIENT COMPARTMENT

The modular body shall be attached to the cab chassis by means of a rubber bellows with one hundred and fifty square inches of open viewing area.

Bidder Complies YES_____ NO_____

One (1) **Grille Guard, Rhino, #3371-MC, F1, 2011+** Y__N__
GRILL GUARD

A Rhino Grille Guard for the specified chassis shall be installed per the manufacturer's instructions. This chromed grille guard shall be for the center section, with wraps for the headlight.

Bidder Complies YES_____ NO_____

One (1) **Rear Suspension - Liquid Spring- 2017 F450, 4x4** Y__N__
REAR SUSPENSION

This unit shall have a "Liquid Spring" rear suspension installed by the manufacturer. It shall include electronic controls, automatic height control, kneeler, and OEM sway bar. The dump and fill function shall be operated by opening or closing the right rear door entrance door. It shall have both an enable switch and a dump indicator light in the cab console and shall only operate when the vehicle is in neutral or park with park brake set.

CLASS®, or **C**ompressible **L**iquid **A**daptive **S**uspension **S**ystem, is the next generation vehicle suspension system. Utilizing a strut, with a compressible fluid as the spring/damping medium, and its sophisticated on-board microprocessor, **CLASS®** adapts the entire vehicle's response to road variations and the driver. Unlike current steel and air sprung suspension systems, **CLASS®** is the only commercial suspension system that can automatically and instantaneously change the spring stiffness and damping at each wheel over a very broad range with minimal power consumption while the vehicle is being driven and without driver intervention.

Changing the spring stiffness and damping at each wheel independently provides the ability to reduce ride harshness while increasing roll and pitch control. The traditional compromises of balancing ride and handling performance in steel and air sprung suspension designs are eliminated. **CLASS®** employs an optimized 5-link suspension configuration that enhances ride and handling versus conventional suspensions. **CLASS®** substantially reduces the impact loading into the vehicle frame and body thereby lowering maintenance costs and extending the vehicle's life.

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Aside from operational benefits of improved ride and handling, vehicle manufacturers may also realize benefits. While **CLASS**® is tuned to specific chassis platforms, its software can be tuned to specific applications while using the same common suspension hardware for the chassis platform, thus providing greater utilization of a chassis for a variety of body configurations with each one tuned accordingly. A user friendly driver interface provides a means for minor adjustment of the suspension response to fit operator preferences for certain road conditions.

Compared to typical air systems, **CLASS**® is a closed hydraulic system which eliminates the need for extra add-on components such as air dryers and heaters. Additional standard functional features such as load-leveling, suspension “kneeling”, and diagnostics are built-in.

One (1)

Ignition Security System, Kussmaul, #091-160 (Not Dodge)
IGNITION SECURITY SYSTEM

Y__N__

An Ignition Security System shall be installed in the vehicle with a 3 position switch located on the dash to the right of the steering column. The first position shall allow for key removal with the vehicle running. The second position shall be the off position. The third position shall allow for key removal with the vehicle running and activate the OEM horn if there is an attempt to put the vehicle in gear.

Bidder Complies YES_____ NO_____

One (1)

Cab Flooring, Black Rubber, 2009+, F350/450, OEM
CAB FLOORING MATERIAL

Y__N__

The OEM cab carpet shall be replaced with an OEM purchased black rubber flooring.

Bidder Complies YES_____ NO_____

One (1)

Hoses, Heater, No Max, to Rear, STD
HEATER HOSES

Y__N__

Nomax heater hoses shall be installed.

Bidder Complies YES_____ NO_____

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One (1)

Heat/AC, F1, 2011+, Combo, 12vdc/110vac, (2) BM Cond, Ducted
ENVIRONMENTAL SYSTEMS

Y___N___

The ambulance shall be equipped with heating, ventilating, and air conditioning systems that operate using re-circulated air and ambient air and shall be capable of maintaining interior temperature within the established comfort zone of 68 degrees Fahrenheit 78 degrees Fahrenheit while operating between 0 degrees and 95 degrees Fahrenheit ambient. Environmental system components shall be readily accessible for servicing at the installed location. The airflow selector switch shall provide a high, medium and low setting. The switch shall be a common switch for both the heater and air conditioner. These environmental control switches shall be immediately accessible the attendant while seated in the primary attendant seat located at the head of the primary patient.

The module control thermostat shall be located on a removable panel above the action wall. The system shall automatically maintain the set module temperature every time the vehicle is operated. The combo air conditioning /heating unit shall be located in the top of the right front cabinet and ducted to an air plenum in the liner with eight ducts, (4) each side.

The air conditioning system shall be powered by 12 volt and 110 volt. A 30 amp Auto Eject Shoreline shall be installed to power the 110 volt A/C system. The electric heating system consisting of 17 watt heat strips shall run off 110 volt only. The 12V side heating shall use the engine coolant run through a heat exchanger.

A dual external condenser shall be mounted under the curbside of the patient compartment. The condensers shall be Hoseline BMC1006. They shall have dual 12" fans and provide 2564 CFM and 45,000 BTU's. The condenser shall run with both the 12VDC and the 110 volt air conditioning system.

Primary manufacturers shall submit testing documentation from an independent laboratory for compliance with Federal Specification KKK-1822F with this proposal.

Bidder Complies YES_____ NO_____

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One (1) **Inlet, Auto Eject, 30amp, White, for 12v/110v AC unit** Y__N__
An additional 30 amp Auto Eject shoreline inlet with a GFI shall be installed for the 110 side of the HVAC system. The inlet shall have a white cover. The inlet shall be adjacent to the standard 110VAC shoreline inlet unless otherwise directed by this Agency.

Bidder Complies YES_____ NO_____

One (1) **Battery Sw, 5min Timer, F1, Fig 5B, Batt under Hood** Y__N__
BATTERY SYSTEM

The vehicle shall be supplied with a dual 12 volt battery system. Two OEM batteries. The battery system shall be wired in accordance with KKK - A - 1822F. The system must meet SAE J541 for starter circuit voltage drop. The batteries shall be activated through the OEM ignition switch. The ignition switch shall only turn off power the module and not the chassis circuits. When the ignition is shut off, a five minute timer keeps the module powered up for unloading patients. A momentary rocker switch shall be installed which will disable the timer. It shall be labeled TIMER BYPASS. It shall be located on the side of the center console.

Bidder Complies YES_____ NO_____

One (1) **Console, Center, Pass-thru, Mica Finish, F1, 2008+** Y__N__
INSTRUMENT CONSOLE

A console shall be installed housing the switching panel and radio installation. This console shall be attached under the dash below the line of sight of the driver. The console shall extend the full length of the cab between the driver's and passenger's seats. Provisions shall be made available for storage of convenience items for the crew. An access panel shall be installed on the top of the console facilitating service. The switches shall be full size rocker switches with LED on the indicators. The switch assembly shall be 1.97 inches tall by 1.064 inches wide with silver plated copper contacts and a .250 inch spade type terminal. The switch and rocker material shall be a thermal set molding material. The complete switch assembly will be tested to withstand one thousand (1,000) volts RMS dielectric. Documentation of switch testing to be included with the bid. The switches must have a positive "throw" feel and an audible "click" upon activation.

There will be an area for radios to be installed with map pockets at the rear against the back of the cab.

County of Hyde

Does your bid comply with this requirement?

Yes () No ()

One (1)

Console, A/A, Wood, Angled
ACTION AREA CONSOLE

Y__N__

There shall be a console in the action area of the rear patient compartment house the switches. The console shall be manufactured out of 3/4" Laminated marine grade Plywood and be angled so that the switches will be easily accessible for an EMT in the attendant seat or a CPR seat.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Covers, Wheel, Phoenix, F450, 4X2/4x4, 1153/1170
WHEEL COVERS

Y__N__

There shall be Phoenix Wheel Covers installed prior to delivery. They shall be model NF19 and shall include the extender kit for the rear wheels, model #AP4.

Does your bid comply with this requirement?

Yes () No ()

One (1)

== Type 1 Ford - 153" Module - #1153F - 620.035 12/22/16 ==

Y__N__

One (1)

Type 1 - 153" Module - Standard Model Series
VEHICLE BODY AND PATIENT AREA

Y__N__

BODY ACCOMMODATIONS

The ambulance body and patient compartment shall be sufficient in size to meet the requirements of paragraph 3.10.1 of Federal Specification KKK - A1822 - F. The interior layout shall be such that a technician can administer life support treatments to at least one person during transport. The modular body shall be 153 inches in length and 95 inches wide.

Bidder Complies YES _____ NO _____

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PATIENT COMPARTMENT INTERIOR DIMENSIONS

Length: As measured from the bulkhead to the inside edge of the rear doors at the floor shall be at least (143") one hundred and forty three inches. There shall be at least (25") twenty five inches but not more than (30") thirty inches of clear space at the head of the primary patient, measured from the face of the backrest of the attendant's to the forward edge of the style one cot.

Width: Shall be measured after the installation of the street side cabinets will be (44 3/4") forty four and three quarter inches between the cabinet wall and the face of the squad bench.

Height: The patient compartment shall provide at least (66") sixty six inches of height over the primary patient area from the floor to the ceiling.

Bidder Complies YES_____ NO_____

One (1)

Type 1 - 153" Module General Body Construction Spec **GENERAL BODY CONSTRUCTION**

Y___N___

It is the intention of this agency to specify a modular body that is constructed solely of aluminum including side skins, roof skin, all structural box tubing, corner and roof extrusions, tapping plates, gusset plates, retention plates, doors, door extrusions, sub structure moisture barrier and drip rails. The modular shall be engineered, built and warranted by the primary manufacturer. This agency will not accept a proposal from a primary manufacturer, as defined within this document, that supplies a modular from an agency, builder, supplier, other than the primary manufacturer. This section shall be the construction parameters this agency has deemed as fair value. Primary manufacturers that deviate from these specifications may take exception as set forth in section A1.1.2.

Bidder Complies YES_____ NO_____

The exterior of the body shall be constructed utilizing a full six sided box framework with a combination of high strength 6061-T1 and 6063-T6 alloy aluminum and having an outer surface of aluminum sheet with a temper and alloy of 5052-H32 for strength, weld integrity and corrosion resistance. The front, sides, and rear of the modular shall be configured from a single sheet of .090 aluminum. The one piece sheets shall be used to maximize integrity against dust, toxic fumes, cracking, and moisture penetration. The openings for doors, warning lights and exterior compartments shall be cut on the horizontal plane with a computer controlled plasma cutter for accuracy and integrity of temper. The roof and side skins shall be installed utilizing a very high bond adhesive to allow

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absorption of vibration and to eliminate "panning". The skins shall be welded to the interlocking extrusion framework at the outer perimeter of the sheets by a programmable robotic welder using a MIG welding tip and Argon gas.

Bidder Complies YES _____ NO _____

The roof shall be a single .090 sheet of 5052-H32 alloy aluminum. The roof sheet shall be completely welded to the extruded roof assembly. The use of multi-section roofs shall not be acceptable due to the possibility of cracks causing environmental intrusion.

Bidder Complies YES _____ NO _____

The roof substructure assembly shall consist of four perimeter roof rail extrusions, lateral roof bows and interconnecting corner caps. The roof rail extrusions shall be engineered and designed by the primary manufacturer and shall be double hollow of 6063-T6 .125 aluminum. A integrated roof recess shall be incorporated to create a smooth transition from the one piece roof sheet to the perimeter drip rail. The perimeter drip rail shall be extruded as a design feature of the roof rail extrusion. The roof rail extrusion shall overlay the side skin by one half inch. The roof sheet shall be seam welded to the perimeter roof extrusion. The lateral roof bows shall be two inch by two inch by .125 square extrusions of 6061-T6 alloy aluminum. The structural members shall be located to support the roof skin on fourteen inches between roof bows. The roof bows shall interconnect with the roof rails and be continuously welded at all contact points. The finished roof shall incorporate a machine rolled crown of not less than one and half inches in height to provide additional strength and allow water run off. A one inch by two inch by .125 6063-T6 extrusion shall be secured to the top of the vertical extrusions. The perimeter extrusion shall be welded to the vertical structures with a minimum of six inches of weld. An industrial adhesive shall be applied around the perimeter before the roof assembly is mated to the sill. The roof structure shall be attached to the sill and welded. To insure a complete contact with the industrial adhesive mechanical fasteners shall be employed to cinch the roof structure to the sill.

Bidder Complies YES _____ NO _____

The corner caps shall be designed to interlock with the roof perimeter, vertical corner extrusions and roof sheet. The corner caps shall be cast aluminum made from matched metal dies to insure a smooth and pleasing appearance. The caps shall act as a stress relief device to absorb energy and disperse the force along the roof extrusions in the event of a collision. The outer edge DOT lights shall be installed as described in section 5.1.

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Bidder Complies YES _____ NO _____

The corners of the modular body shall be designed and engineered by the primary manufacturer and constructed of 6063-T6 alloy aluminum. The corner extrusion shall be double hollow with a minimum thickness of .125 and .250 at the outer corner. The extrusion is designed with a unique forty five degree angled appearance while maintaining very high strength and impact energy absorption. A polyurethane sealer shall be applied to seal the crevice between the corner extrusions and the side assemblies.

Bidder Complies YES _____ NO _____

The side assemblies shall be reinforced utilizing 6061-T6 alloy aluminum two by two box tubing. The side structures shall frame a perimeter around all door openings and shall be a minimum of .125 in thickness. Intermediate skin stiffeners shall be located to preclude skin deformation. Additional gusset plates shall be .250 inch aluminum and shall be welded at all contact points between the corner assembly and the roof perimeter.

Bidder Complies YES _____ NO _____

This agency is extremely concerned with purchasing a vehicle from a primary manufacturer who can provide the necessary service after sale. Therefore, as previously stated the modular shall have a fifteen year warranty and be engineered, designed and built by the primary manufacturer.

Bidder Complies YES _____ NO _____

This agency is extremely concerned that the modular body be designed and built with the highest level of integrity and quality. Documentation and certification that the modular body being proposed meets Static Load Test Code for Ambulance Body Structure AMD Standard 001 must be included with this proposal.

Bidder Complies YES _____ NO _____

Quality and Safety Documentation.

The ambulance manufacturer responding to this vehicle specification shall demonstrate to this Agency that the ambulance being proposed offers the highest possible quality and safety standards.

To meet this Agency's requirements for quality the Bidder shall provide documentation that the ambulance manufacturer has in place a quality

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management system that meets the requirements of the International Organization for Standardization (ISO). A copy of the ISO Registration Certificate shall be included in the bid response.

To meet this Agency's requirements for safety standards the Bidder shall provide documentation that the ambulance manufacturer has conducted "dynamic" testing to validate the design, manufacturing processes, materials and workmanship used in the production of the ambulance proposed in response to this specification.

To validate the materials, manufacturing processes, quality management system and workmanship utilized in the installation of seats, seat belts, secondary restraining devices, cabinet construction, oxygen cylinder retention and module to chassis attachment a Hygee sled test shall be performed. This test shall simulate a frontal impact to the ambulance module at a minimal impact force of 20 g. A test report from a third party testing agency independent of the ambulance manufacturer shall be submitted with the bid response proving compliance to this requirement.

Bidder Complies YES_____ NO_____

To validate the materials, manufacturing processes, quality management system and workmanship utilized in the construction of the modular body the Bidder shall provide documentation that the ambulance manufacturer has conducted a side impact crash test. The Institute for Highway Safety (IIHS) Crash Test Protocol Version 5 shall be used as a guideline for this testing requirement.

The "target" vehicle (Ambulance) shall be struck by the "bullet" (SUV / Pickup Truck) vehicle at the fore and aft center of gravity of the target vehicle. To comply with the requirements of this specification the bullet vehicle shall be a SUV or pickup truck with a minimum gross vehicle weight (GVW) of at least 4,000 lbs. To provide this Agency accurate data in a "real world" environment the use of a Moving Deformable Barrier (MDB) and cart as the "bullet" vehicle is not permissible.

The "target" vehicle (Ambulance) shall contain instrumented Anthropomorphic Test Devices (crash test dummy) meeting the following requirements and seating locations.

1. Squad Bench Hybrid 3 ATD instrumented with head, chest, and pelvic accelerometers, upper neck load cell, chest potentiometer, and femur load cells.
2. Ambulance Cot - Hybrid 3 ATD instrumented with head, chest, and pelvic accelerometers, upper neck load cell, chest potentiometer, and femur load cells.

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3. Street Side CPR Seat - Hybrid 3 ATD instrumented with head, chest, and pelvic accelerometers, upper neck load cell, chest potentiometer, lumbar load cell, and femur load cells.

4. Attendant Seat EuroSID 2 ATD instrumented with head accelerometers, upper neck, abdomen, and pubic load cells, and rib potentiometers.

For the purpose of determining **PASS FAIL** results the Injury Assessment Reference Values (IARVs) from FMVSS 208, FMVSS 214 and the Insurance Institute for Highway Safety (IIHS) shall be used. A test report from a third party testing agency independent of the ambulance manufacturer shall be submitted with the bid response proving compliance to this requirement.

Bidder Complies YES _____ NO _____

The above requirements are in addition to the current minimum requirements for testing as outlined in KKK-A-1822.

Additionally, all welders employed by the primary manufacturer shall be certified to the American Welding Society Standard AWS D12, and certification documents must be provided if requested.

All body welds shall not only be inspected by the primary manufacturer but shall also be inspected by an outside engineering firm and said firm shall conduct another visual inspection and a dye penetration test designed to reveal any flaws or imperfections in the welds. Documentation on this process must be provided if requested. NO EXCEPTION.

Bidder Complies YES _____ NO _____

One (1)

Type 1 - 153" Module Vehicle Body Structure Spec
VEHICLE BODY STRUCTURE

Y ___ N ___

All parts of the ambulance body, as specified in paragraph 3.10.6 of Federal Specification KKK - A - 1822F, shall, where applicable, be of welded construction. Where fasteners are used in such areas as hinge attachment, hardware attachment, etc., the fasteners shall be ceramic coated aluminum and stainless steel. Any hole drilled into the modular body painted surface shall be coated with an ECK corrosion inhibitor prior to installation of the part. NO EXCEPTION.

Bidder Complies YES _____ NO _____

Tapping plates of 6061-T6 alloy aluminum varying in widths of one quarter to one half inch shall be welded to the framing to secure the installation of equipment such as; cabinets, benches, partitions, cylinders, cot fasteners, etc. The

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body and panel joints shall be watertight and all openings between the chassis and modular shall be sealed. In addition, a drip rail shall be supplied over each exterior compartment. The drip rail attached in such a manner as to provide for quick and easy replacement. Drips rails attached by mechanical fasteners shall not be used.

Bidder Complies YES_____ NO_____

BODY MOUNTING

The mounting system shall not cause any chassis frame deformation. There shall be ten mounting points, five on each frame rail. The modular body shall have full perimeter welded sill rails of one half inch by two inch of 6061-T6 alloy aluminum and be attached to the vehicle utilizing one inch by three inch sill plates of 6061-T6 alloy aluminum. The modular body shall be welded to the sill plates at every exposed seam. At all outrigger mounting locations a double compression, neoprene rubber isolator mounts shall be used to minimize chassis vibration transfer to the modular body. The modular body and sill plates shall be attached to the frame rails using three quarter inch grade eight bolts. Any method contrary to QVM which may void the chassis warranty shall not be accepted.

Bidder Complies YES_____ NO_____

FLOOR

The floor shall be at lowest level permitted by clearances, but not more than thirty three inches from the ground. The floor structure shall consist of two by two by .125 structural box section with 6061-T6 alloy aluminum. The floor structure shall be welded with eight inches of weld at every joint. The openings created for the placement of exterior compartments shall have six inches of weld to insure a smooth surface to fit the compartment in the structure. Tapping plates of one quarter inch and one half inch of 6061-T6 aluminum shall be completely welded both sides to the floor assembly. The finished floor assembly shall be securely welded to the wall structures with eight inches of weld and skipped welded every four inches to the exterior compartments. All critical load points shall be reinforced with one quarter inch by three inch by four inch gusset plates. Above the floor channels there shall be an aluminum moisture shield .050 inches thick. The entire underside of the modular shall be sealed with a waterproof sealant. All hollow structural shapes or cavities shall be sealed utilizing an approved expandable foam.

Bidder Complies YES_____ NO_____

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The rear patient access shall be equipped with an exterior aluminum threshold mount to the lower door jamb. This threshold will protect the bottom door jam, in addition the rear patient floor shall have a fourteen gauge stainless steel cot protector.

Bidder Complies YES_____ NO_____

EXTERIOR STORAGE ACCOMMODATIONS

The exterior compartments shall be constructed of .090 aluminum and shall be formed by a computer controlled brake and shear to decrease the amount of welding to fully enclose the compartment. The compartment therefore, shall be water tight. The compartment shall be welded in place to the side and floor structure with an additional bracket welded to a bracket connecting the exterior wall two with the floor structure. The floor of the exterior compartments shall be at least two inches below the lower door frame lip to help prevent equipment from falling out should a door not be closed. The compartment floor shall be supported from beneath with one by two by .125 6061 T-6 rectangular tubing welded to the underside and the floor structure. All exterior compartments shall be vented above the floor line with machine stamp louvers. The exterior compartment shall be lockable with one key fitting all doors. The compartments shall be equipped with handle and door locks. Each exterior compartment shall be provided with a sealed light to be illuminated upon the door opening. The light shall be activated by a magnetic switch. A door open indicator light shall be visible on the driver's console. The compartment configuration shall be as described.

Bidder Complies YES_____ NO_____

PATIENT COMPARTMENT SOUND LEVEL

Shall meet the requirements of paragraph 3.13.8 of Federal Specification KKK - A - 1822F.

Bidder Complies YES_____ NO_____

One (1)

INTERIOR CABINETS -Duralite Construction, Wood INTERIOR SURFACES

Y___N___

All vertical edges of cabinets shall be of an aluminum extrusion with a 3/4 inch radius designed to free the interior of the patient's compartment of all sharp edges or projections. The face and inside of the cabinets shall be covered by a commercial grade laminate, adhered to the cabinet face by a high quality poly vinyl adhesive using a thermal press application. The wood, adhesive and

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laminates shall be pressed together at 200 degrees for four minutes in a thermal platen press. There shall be no voids of the adhesive between the laminate and the cabinet surfaces.

Bidder Complies YES _____ NO _____

CABINET CONSTRUCTION

The interior cabinets, squad bench assembly, shelves and doors shall be constructed of Marine Grade Featherply plywood; due to the product's ability to be customized to fulfill the needs of this agency, the additional acoustical and thermal insulation properties, repair ability, and the safety factor of not producing sharp fragments or shards in the event of a serious collision. The thickness of the finished panels used to construct the cabinets, shelves and doors shall be 3/4 inches including mica and adhesive. Any construction materials that provides anything less than 3/4 inch panels in cabinet construction is not acceptable to this agency. NO EXCEPTIONS .

The squad bench lid shall be attached to the squad bench assembly via a stainless steel piano hinge the entire length of the bench. The squad bench shall be equipped with a locking device to automatically secure the lid upon closing. The patient compartment wall panel (behind the squad bench) and the cabinet compartment wall panel shall be constructed of 1/4 inch plywood and covered with color coordinating high pressure laminate.

The cabinets shall be constructed using 8 mm dowels placed no farther than 32 mm apart. The dowels shall be a hardwood and pre-glued.

The doors on the upper cabinets shall be surface mounted with European hinges and 3mm edge banding. The doors on the center and lower cabinets shall be flush mounted using continuous stainless steel piano hinge and a 3 mm edge banding. All doors and cabinet openings shall be covered with a 3 mm edge banding with radius edges.

Bidder Complies YES _____ NO _____

INTERIOR STOWAGE ACCOMMODATIONS

The interior of the patient compartment shall provide but not be limited to a minimum volume of thirty cubic feet of enclosed cabinets. Interior cabinet, shelf and compartment space shall be conveniently located for medical supplies, devices or other equipment. All interior cabinets shall be fully lined inside with high-pressure plastic laminate. The equipment and supplies necessary for airway

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management shall be within easy reach of the medic at the head of the stretcher.
Interior cabinet dimensions are as described.

Bidder Complies YES _____ NO _____

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One (1) **Module Skins, 0.125 inch** Y__N__
MODULE BODY SKINS

The module skins shall all be 0.125 inches thick.

Bidder Complies YES____ NO____

One (1) **Headroom, 72 in. Type 1 - 153" module, #1153F/D/C** Y__N__
INTERIOR HEADROOM

The interior headroom shall be a minimum of 72 inches.

Bidder Complies YES____ NO____

One (1) **Drop Skirt, 4 inches forward of rear wheels, Both sides** Y__N__
DROP SKIRT

The skirt line forward of the rear wheels on both sides of the module shall be dropped 4 inches.

Bidder Complies YES____ NO____

One (1) **Coating, Scorpion, Rear Bumper Supports** Y__N__
RUBBER COATING

The rear bumper supports shall be sprayed with Scorpion X02 rubber coating in a black color. Scorpion X02 is a three component acrylic-reinforced aliphatic, aromatic polyurethane protective coating system. The product has high tensile strength, excellent abrasion resistance, superior elongation, high non-skid rating, and excellent UV stability and weathering characteristics.

Bidder Complies YES____ NO____

Six (6) **Compartments, Diamond Plate Finish (1) Per Compt** Y__N__
COMPARTMENT FINISH

The exterior compartments shall be manufactured using aluminum diamond plate. The diamond plate shall be 0.100 inches thick.

Bidder Complies YES____ NO____

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Four (4) **Compartments, Std, Floor 3" Drop Down from Door Opening** Y__N__
EXTERIOR COMPARTMENTS

The bottom of compartments B1, B2, D and E shall drop down 3 inches from the door opening for maximum storage space in the compartment. This will also help prevent items stored in the compartment from falling out if on uneven surface.

Bidder Complies YES_____ NO_____

Two (2) **Compartments, Sweepout** Y__N__
EXTERIOR COMPARTMENTS

The bottom of compartments C-1 and S-1 shall be flush with the door opening to provide for a sweep out design. Sweep out on compartment F shall allow for ease of loading the oxygen bottle.

Bidder Complies YES_____ NO_____

One (1) **Duraseam Doors, with Hidden Jambs** Y__N__
Duraseam Doors

All door frames to be cut to size using a programmable double miter saw to ashore accuracy and repeatability of components. All latch, door pins, switch and tapped hinge holes are to be added to door frame and jamb by means of a programmable milling operation to maintain consistency of all hardware cutout positions.

The outer face of door shall be formed from one sheet of 5052-H32 aluminum. The door shall be flush with the body side. The outer skin shall be bonded to the door frame with structural adhesive that meets ASTM D 412 tensile strength, elongation, and elastic modulus. Adhesive to utilizes micro spheres to maintain a constant bond thickness around the inside skin edge to seal entire skin to frame. The door frame shall meet exterior skin with a smooth seamless transition. There shall be no seams or crevices on the door or door frame which allows the possibility of corrosion.

Both patient compartment and exterior compartment doors shall be provided with extruded rubber seal system consisting of a hollow cell bulb gasket. The gasket shall insert into an appropriately designed groove in the inner door extrusion. This will provide the best seal possible. Glued on seals or seals that are mounted to the compartment openings are unacceptable as they will easily be torn by loading of equipment stored in the compartments.

All doors shall be attached using minimum ¼-20 stainless steel hex bolts with stainless steel piano hinge with a pin size of at least 0.250 inch in diameter. The hinge must be punched with 0.265 diameter holes for exact fit of door to jamb

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with ¼- 20 hex bolts. Maintaining the close tolerances allows a replacement door to be fabricated that will match the old door bolt pattern that can be mounted in exactly the same place with the close tolerances.

All compartment doors shall be constructed the same as the entry doors to ensure continued door alignment and matched latching capabilities. All access doors must be encased by a door jamb that is separate from the body skin and bonded in place with the same structural adhesive as described in paragraph two on page one. After jamb is bonded to skin both skin and jamb are to be routed with the same radii as the door skin. After bonding to skin, the jamb is also welded to the 2" X 2" tubular body frame members. The door jamb shall be a 0.125"/0.380 thick 6063-T6 aluminum extrusion

The interior surface of the patient compartment doors (rear and curb side) shall be finished in a safe and attractive manner that harmonizes with the interior finish. The door panels shall be designed to allow removal without disturbing the door latching hardware. The door panels shall be attached using automotive speed clips in conjunction with foam pads to enhance sound deadening. Door panels must be flush fitting not overlay. Doors using pliable materials such as upholstery are prohibited due to greater risk of contamination by blood borne pathogens through stitching or when cut or torn.

The three (3) patient compartment doors shall be fitted with stainless steel, flush fit, "paddle latch" hardware on the interior and an "automotive style" handles on the exterior. The patient compartment doors shall be provided with a keyed lock and the rear doors and side door shall be lockable from the inside without a key per FVMSS. All patient compartment doors shall have emergency release handles to activate rotary latches in the event of door component failure.

All entry and compartment doors shall be insulated with 2-1/2" thick closed cell block foam insulation.

When the doors are opened, the hinges, latches and door checks shall not protrude into the access area. All patient compartment doors shall employ the same type locking hardware. All door latches shall comply with requirements of FVMSS 206

The locking devices shall be two-stage rotary latches and shall be FMVSS 206 certified. Where applicable there shall be two door latches, one at the top and one at the bottom, controlled by a single locking handle. The Latches shall into an adjustable "Nader" type pin located in the door frame. The Nader pin will utilize a captive nut to provide adjustment and replacement without loss of nut plate. The locking system shall be activated from the locking handle by metal push rods.

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The outside door handles shall be a rugged “automotive style” that are near flush with door skin. These handles shall provide adequate clearance for the use of gloves. The hand/ glove clearance area of the handle shall be a minimum of .812” deep and 4.125 long. On the curb side and rear doors, the inside handle shall be a “paddle style” type constructed from stainless steel and shall be equipped with an inside door lock. All exterior storage compartments and module entry doors shall be lockable with the same key.

The compartment and entry doors shall be painted separately from the body. The doors shall then be installed on the painted module jamb. A Corrosion inhibitor shall be applied to both the door frame and jamb side of the hinge leafs. Additional corrosion inhibitor to be applied in all screw holes in both door frame and jamb.

Bidder Complies YES _____ NO _____

One (1)

A, Compt, Single Door, Hoseline, 153" Module, 72" HR, T1
COMPARTMENT A

Y___N___

Compartment A is the passenger side forward compartment. The door opening dimensions shall be a minimum of 65.5 inches high and 16.75 inches wide.

Bidder Complies YES _____ NO _____

One (1)

B1, Compt, Std, 153" Module , T1, 72"HR, #1153F/D/C only
COMPARTMENT B1

Y___N___

Compartment B1 is on the passenger side just behind the rear wheel. The door opening dimensions shall be a minimum of 19.25 inches high and 22.5 inches wide. The interior dimensions shall be approximatley 22.5 inches high and 25 inches wide and 18.5 inches deep.

Bidder Complies YES _____ NO _____

One (1)

B2, Compt, Std, 153" Module, T1, 72"H.R.
COMPARTMENT B2

Y___N___

Compartment B2 is the passenger side rear compartment. The door opening dimensions shall be a minimum of 81.5 inches high and 13 inches wide. The interior dimensions shall be approximately 82 inches high and 15 inches wide and 18.25 inches deep.

Bidder Complies YES _____ NO _____

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One (1) **D, Compt, 3/4, 153" Module, T1, 72" H.R, #1153F/D/C only** Y__N__
COMPARTMENT D

Compartment D is the driver's side rear compartment. The door opening dimensions shall be a minimum of 58.25 inches high and 29.25 inches wide. The interior dimensions shall be approximately 61.5 inches high and 32.5 inches wide and 18.25 inches deep.

Bidder Complies YES____ NO____

One (1) **E, Compt, Std, 153" Module, T1, #1153F/D/C only** Y__N__
COMPARTMENT E

Compartment E is on the driver's side just forward of the rear wheel. The door opening dimensions shall be a minimum of 36.75 inches high and 26.5 inches wide. The interior dimensions shall be approximately 39 inches high and 29.75 inches wide and 18.25 inches deep.

Bidder Complies YES____ NO____

One (1) **F, Compt, Std,3/4 High,153" Module,T1,72" HR,#1153F/D/C only** Y__N__
COMPARTMENT F

Compartment F is the driver's side forward compartment. The door opening dimensions shall be a minimum of 58.5 inches high and 16.75 inches wide. The interior dimensions shall be approximately 59 inches high and 20 inches wide and 18.25 inches deep.

Bidder Complies YES____ NO____

One (1) **With Dogleg for Stairchair in Compt "F"** Y__N__
COMPARTMENT F

Compartment F shall have a dogleg in the forward section of the compartment approximately 59 inches high by 12 inches deep by 21.75 inches deep. This recess shall be for storage of a Stair chair.

Bidder Complies YES____ NO____

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One (1) **Housing, Fuel Fill, Cast, F1/C1/D1/M2** Y__N__
FUEL FILL HOUSING

A cast aluminum fuel fill housing shall be installed according to the chassis manufacturer's instructions.

Bidder Complies YES_____ NO_____

One (1) **Divider, Vertical, B2, 3/16" Thick, Recessed Adj Track, Std Model only** Y__N__
EXTERIOR VERTICAL DIVIDERS

One (1) vertical divider(s) shall be located in compartment B2. They shall be manufactured of 3/16 inch thick aluminum and be painted with scratch resistant gray rubber coating. The divider shall be approximately 11 inches wide and extend from the top of the compartment to the bottom.

Bidder Complies YES_____ NO_____

Four (4) **Shelf, Adjustable,(2), RF Cabt Custom** Y__N__
EXTERIOR COMPARTMENT SHELF

The exterior compartment shelves shall be manufactured from 0.125 inch aluminum. Each shelf shall have a 0.125 inch thick ribbed rubber mat. The shelf track shall be a heavy duty extruded aluminum. There shall be two adjustable shelves in the RF Compartment/Cabinet.

There will be (2) adjustable shelves in Compt. D. One at the bottom of each inside/outside opening

Bidder Complies YES_____ NO_____

One (1) **Shelf, Fixed, Cmpt E, for Electrical storage, w/ Divider** Y__N__
EXTERIOR ELECTRICAL SHELF

A fixed exterior shelf shall be located in the left center compartment "E" near the top of the compartment. It shall serve the sole purpose of holding electrical equipment.

There will also be (1) adjustable shelve located mid height for the lower section of the compartment.

Bidder Complies YES_____ NO_____

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One (1)

Window,Upper,CS/Slider,Rr/Fixed,Priv Tint,PAN,Std Model only
STEP WELL AND WINDOWS

Y___N___

The curb side door step well shall have a light recessed into wall one of the step well. It shall be automatically lit when the side and rear doors are opened. The light shall be activated by a switch. The step well shall be finished with a polished aluminum diamond plate. There shall be a window in each of the three patient access doors. The window frame shall be of an extruded aluminum design with a protective anodized finish. The curbside entry door window shall include a sliding window to allow for fresh air when needed. The two rear door windows shall have fixed glass. The glass shall have a privacy tint.

The curbside window shall have the following dimensions: 26 1/2 inches high and 19 1/2 inches wide. The rear windows shall be 22 1/2 inches high and 13 1/2 inches wide.

Bidder Complies YES_____ NO_____

One (1)

Handles, Patient Entry, Trimark, Chrome "SafePass" ILOS
PATIENT ENTRY DOOR LATCHES, HINGES AND HARDWARE

Y___N___

When the doors are opened, the hinges, latches and door checks shall not protrude into the patient compartment. All patient doors shall employ the same type of locking hardware. All door latches shall comply with FMVSS 206. The locking devices shall be two stage rotary latches and shall be in accordance with FMVSS. There shall be two door latches, one at the top and one at the bottom, controlled by a single locking handles. The latches shall lock into an adjustable Nader type pin located in the door frame. The Nader will utilize a captive nut to provide adjustment and replacement without loss of the nut plate. The door latching mechanism shall have an upper and lower patented "Emergency Release Latch" to allow egress from the vehicle if a system failure should occur.

Bidder Complies YES_____ NO_____

The door handles shall be Trimark OEM style handle with a large enough space for gloved hands to operate the handle. The door handles shall be free floating with 1008 cold rolled steel mechanical components with Nitrotec treated wear components. The locks shall be a KeyOne Plus lock cylinder with a reversible key. The KeyOne Plus system allows the lock core to be removed with a special key and allows it to be rekeyed for additional security and keying fleets the same. The rear trailing door shall have a patented side release paddle handle that removes the necessity of reaching inside the patient compartment door. The door entry system shall have been tested to 100,000 cycles.

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Bidder Complies YES_____ NO_____

The locking system shall be from the locking handle by aluminum push rods. The patient compartment doors will be equipped with an inside door lock. All entry doors shall have horizontal aluminum reinforcements welded to the door frame and the entry doors shall have closed cell block foam insulation.

Bidder Complies YES_____ NO_____

Six (6)

Handle, Module Compt, Trimark, Chrome, ILOS
COMPARTMENT DOOR LATCHES, HINGES AND HARDWARE

Y___N___

When the doors are opened, the hinges, latches and door checks shall not protrude into the patient compartment. All compartment doors shall employ the same type of locking hardware. All door latches shall comply with FMVSS 206. The locking devices shall be two stage rotary latches and shall be in accordance with FMVSS. There shall be two door latches, one at the top and one at the bottom, controlled by a single locking handles. The latches shall lock into an adjustable Nader type pin located in the door frame. The Nader will utilize a captive nut to provide adjustment and replacement without loss of the nut plate.

Bidder Complies YES_____ NO_____

The compartment door handles shall be Trimark OEM style handle with a large enough space for gloved hands to operate the handle. The door handles shall be free floating with 1008 cold rolled steel mechanical components with Nitrotec treated wear components. The locks shall be a KeyOne Plus lock cylinder with a reversible key. The KeyOne Plus system allows the lock core to be removed with a special key and allows it to be rekeyed for additional security and keying fleets the same. The compartment door entry system shall have been tested to 50,000 cycles. The door handle shall be mounted to the exterior door panel using mechanical fasteners and rubber gaskets that will eliminate the possibility of electrolysis. All doors shall have closed cell block foam insulation.

Bidder Complies YES_____ NO_____

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One (1) **ELECTRIC DOOR LOCK PACKAGE OPTIONS: Click to add** Y__N__

Two (2) **Door Locks,Electric, Trimark, (1)DOOR, Entry Door** Y__N__
POWER DOOR LOCKS

The module entry doors shall include power door locks that enable remote activation.

Bidder Complies YES_____ NO_____

Six (6) **Door Locks,Electric, Trimark, (1)DOOR, Compt Door** Y__N__
POWER DOOR LOCKS

The six (6) compartment doors shall include power door locks that enable remote activation.

Bidder Complies YES_____ NO_____

One (1) **Switch,Momentary Rocker,Activate Elect Door Locks** Y__N__
A momentary rocker switch shall be located on the curb side wall at the head of the squad bench to power door locks for the compartment and entry doors.

Bidder Complies YES_____ NO_____

One (1) **Switch, Stealth, Cab Doors (not Dodge)** Y__N__
A stealth switch shall be located in the grille area unless otherwise specified by this Agency and enable the power door locks for the cab doors. The switch must be weather resistant.

Bidder Complies YES_____ NO_____

One (1) **Circuit, OEM Door Lock to activate Mod Doors(not Dodge)** Y__N__
A circuit shall be installed to enable the power door locks for the compartment and entry doors to be operated off the OEM cab door lock switches.

Bidder Complies YES_____ NO_____

One (1) **Hold Opens,Rr Doors,Cast,Grabber (2), 5.5", Std Model only** Y__N__
REAR DOOR HOLD OPENS

The rear doors shall be held open by (2) 5.5 inch Cast Grabber. The U shap-ed piece shall be attached to the door. It shall enter into a rubber insert when the door is in the open position. A corrosion inhibitor shall be applied to the mounting holes prior to installation.

Bidder Complies YES_____ NO_____

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Five (5) **Hold Open, Gas Strut, Ext Compt, 30lb, Std** Y__N__
COMPARTMENT DOOR HOLD OPEN

Five (5) Compartments shall have a 30 pound gas strut in lieu of a spring loaded hold open.

Bidder Complies YES_____ NO_____

One (1) **Hold Open, Gas Strut, RF Compt, 30lb, Std** Y__N__
COMPARTMENT DOOR HOLD OPEN

The right front compartment shall have a 30 pound gas strut in lieu of a spring loaded hold open.

Bidder Complies YES_____ NO_____

One (1) **Holdopen, Gas Strut, CS Entry Door, 35# Standard.** Y__N__
CURBSIDE ACCESS DOOR HOLD OPEN

The curbside access door shall have a gas strut hold oprn to hold the door at approximately 90 degrees.

Bidder Complies YES_____ NO_____

One (1) **Panels, Entry, Durasafe, Stainless Steel, w/ Chevrons, STD** Y__N__
DOOR PANELS

The upper and lower portion of the curbside and rear access door panels shall be brushed stainless steel. The center shall be reflective chevron covered aluminum.

Bidder Complies YES_____ NO_____

One (1) **Flare, Fender, Bright Finish, Std Model only** Y__N__
REAR FENDERS

Bright finish aluminum fender flares shall be provided around the rear wheel well openings to provide protection from wheel wash. A corrosion inhibitor shall be applied to the mounting holes prior to installation.

Bidder Complies YES_____ NO_____

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One (1)

Bumper,Rear,w/ Skids & Flip Up,F1/C1,w/LED DOT Its,Std Model
BUMPERS AND STEP

Y___N___

The chassis manufacturer shall supply the vehicle's front bumper. The rear bumper and step assembly shall be a single unit constructed of ten gauge steel "C" formed channel and .100 inch thick aluminum tread plate as measured at the thinnest point of the tread plate. The center step of the bumper assembly shall be designed to allow it to flip up and out of the way to facilitate patient loading. The flip up section of the of the rear bumper shall be diamond plate to meet the requirements of KKK - A - 1822F specification. The diamond plate flip up step shall be punched with three rows of raised star-shaped holes to create additional non-skid surface. A 1.5" x 2" x 0.125" aluminum box tube shall be welded inside the step full width on the side farthest from the rear of the vehicle. A stainless steel hinge with a center pin of .250 inch shall be used to attach the flip up section of the rear step to the main rear bumper assembly. There shall be eye beam constructed skid plates with tow eyes mounted as part of the frame of the bumper. This assembly shall be bolted to the frame of the chassis with 5/8 inch Grade 8 bolts. There shall be a one half inch clearance between the bumper assembly and the rear of the modular body to allow water drainage and inhibit water collection. There shall be a two inch red LED marker light on the street side and curb side of the bumper assembly. These lights shall be a sealed unit and the connectors protected with an adhesive heat shrink. The lights shall illuminate with the vehicle head light control.

Bidder Complies YES_____ NO_____

One (1)

Running Boards, Standard,F450, w/ Gator Grip, #1153F
RUNNING BOARDS

Y___N___

Diamond plate running boards shall be installed just under the cab doors for both the driver and passenger. The diamond plate step shall be punched with rows of raised star-shaped holes to create additional non-skid surface. The boards shall allow for easy entry into the cab.

Bidder Complies YES_____ NO_____

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One (1) **Skirtrails, Extruded Rubber w/Refl Tape, 146-153" Module** Y__N__
SKIRT RAILS

Extruded aluminum channel with extruded rubber insert shall be provided on street side and curbside of modular body. The rails shall be installed along the lower edge of the body. The rails shall be offset from the sides by a minimum of one quarter inch to allow water and road wash not to collect between the rail and modular rail. Rubber spacers shall be used to install the rails to eliminate the possibility of electrolysis. A corrosion inhibitor shall be applied to the mounting holes prior to installation.

Bidder Complies YES_____ NO_____

One (1) **Tape, Reflective, White, For Extruded Rubber Skirtrails** Y__N__
SKIRT RAIL REFLECTIVE TAPE

Reflective tape shall be inserted into channel in extruded rubber skirtrail and secured with stainless steel screw at each end. Color shall be white.

Bidder Complies YES_____ NO_____

One (1) **Stone Guard, Front, Dia Plate, 13.38"** Y__N__
FRONT STONE GUARDS

The lower front corners of the patient compartment shall have stone guards attached to the corner extrusion. They shall be diamond plate aluminum and extend from the bottom edge of the corner extrusion up approximately 13 inches. A corrosion inhibitor shall be applied to the mounting holes prior to installation.

Bidder Complies YES_____ NO_____

One (1) **Kickplate, W/Recess, No Light Holes, Duraseam** Y__N__
REAR KICK PLATE

Above the rear bumper and below the rear doors, there shall be a full length riser of aluminum diamond plate for a protective kick panel. The kick panel shall be securely fastened with ceramic coated stainless steel screws to inhibit rust that could result from electrolysis and run the full rear width of the module. Pop rivets are not acceptable. There shall be a recess in the center of the kick plate for the installation of the tag holder.

Bidder Complies YES_____ NO_____

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One (1) **Tow Eyes, Chrome, in Rear Kickplate** Y__N__
RECOVERY DEVICES

The rear of the patient compartment shall have two chrome tow eyes that are accessed through two holes in the rear kick plate. The holes in the kick plate shall be covered with a rubber covered metal trim.

Bidder Complies YES_____ NO_____

One (1) **Holder, License Plate, Cast, C30002, STD** Y__N__
LICENSE PLATE HOLDER

A Cast Products license plate holder shall be installed in the rear kickplate.

Bidder Complies YES_____ NO_____

One (1) **Sill Protectors, Stainless, All Compts, Std Model only** Y__N__
COMPARTMENT SILL PROTECTORS

All compartments shall have a stainless steel sill protector. The sill protectors shall be manufactured from 20 gauge stainless steel and cover the bottom door frame protecting it from scratches.

Bidder Complies YES_____ NO_____

One (1) **Diamond Plate, @ Fuel Fill, 10in Wide** Y__N__
DIAMOND PLATE BELOW FUEL FILL

A ten inch wide diamond plate panel shall be installed just below the fuel fill. It shall extend to the bottom of the skirtrail.

Bidder Complies YES_____ NO_____

One (1) **Zico Electric Step** Y__N__

Installed under the curb side entrance door. The step will automatically deploy when the entrance door is opened. A momentary cut off switch will be installed at the head of the squad bench next to the door lock switch.

One (1) **Stepwell, Double Step, ILOS, Type 1** Y__N__

STEP WELL

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The curbside entry stepwell shall be a double step due to the drop skirt making the initial step lower and therefore not ergonomic for entry into the vehicle. The steps shall be approximately equal in rise and run.

Bidder Complies YES _____ NO _____

One (1)

Mud Flaps, Rear, W/Logo, Std Model only
REAR MUD FLAPS

Y__N__

Wheeled Coach Logo mud flaps shall be installed just behind the rear tires.

Bidder Complies YES _____ NO _____

One (1)

PAINT/BELTS:
PREPARATION FOR PAINTING, COLOR AND MARKINGS

Y__N__

10.1 Color, Paint and Finish. Ambulance body and all attached equipment exterior surfaces, except polished metal parts, shall be thoroughly cleaned, treated, and coated with a firm primer and preservative with rust inhibiting properties, and painted white to match the OEM chassis. Ferrous metal interior surfaces shall be painted or, when not exposed for painting, shall be treated or coated to resist corrosion.

The final stage manufacturer's painted components shall have a paint film not less than 1.25 mils. thick and a minimum total thickness of 4 mils., including primers. The final film of painted surfaces shall be smooth and uniform, free of grit, streaks, blushing, runs, sagging, blisters, "fish-eyes, "orange peel", pinholes, or other surface irregularities. Exterior finish paint shall not be required on the underbody and inside surface of the body skirting. The modular body shall be painted with an AkzoNobel (or equal) high quality automotive polyurethane acrylic paint.

Bidder Complies YES _____ NO _____

10.1.1 All modular body doors shall be removed prior to paint and shall be painted separately from the modular body. After painting, the doors are to be re-installed. The doors shall be painted using the same method as the modular body.

Bidder Complies YES _____ NO _____

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10.2 Modular Body Preparation. The entire exterior of the modular body shall be cleaned and prepared for painting according to the following minimum requirements:

10.2.1 Substrate Preparation:

- The modular body shall be thoroughly degreased using an acetone degreaser and the wipe on – wipe off method.
- Any areas that require filling will be first be abraded with 80 grit sandpaper using a DA orbital sander. If any welds require grinding, 24 grit paper shall be used. Any plastic filler used shall be mixed and applied per Manufacturer’s instructions. After filler application, the surface shall be prepared using 80 grit sandpaper followed by 120 grit paper using a DA orbital sander.
- A minimum of two (2) coats of Wash primer EMCF shall be applied to all plastic filler areas allowing to flash five (5) minutes between coats.
- The Wash primer shall be sanded with 320 grit sandpaper using a DM orbital sander.
- A fine textured glazing putty shall be used to fill any additional surface flaws, pinholes and/or scratch marks. After curing, the surface shall be sanded with 320 grit sandpaper using a DA orbital sander.
- The substrate shall be sanded with 180 grit sandpaper using a DA orbital sander to remove any final imperfections.
- The modular body shall again be thoroughly degreased using M-600 degreaser and the wipe on – wipe off method.
- All corner extrusions and the top drip rail to be caulked as necessary.

Bidder Complies YES_____ NO_____

10.2.2 Aluminum Pretreatment. The modular body shall be pretreated with a chromium free conversion coating that is specifically formulated for treating aluminum and its alloys. Prior to the pretreatment application, all diamond plate is to either be removed or properly masked to prevent staining. After application, the modular body shall again be thoroughly degreased using M-600 degreaser and the wipe on – wipe off method.

Bidder Complies YES_____ NO_____

10.2.3 Wash Primer. The modular body shall be primed with a medium build, chromate-free, self-etching wash primer that offers excellent corrosion resistance without the use of metal preps and

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conditioners. There shall be a minimum of two (2) medium wet coats applied allowing a five (5) minute flash between each coat. The final coat shall be allowed to flash for 30 minutes. The primer shall be sanded with 320 grit sandpaper using a DA orbital sander or 400 grit dry sandpaper by hand. After sanding, the modular body shall again be thoroughly degreased using M-600 degreaser and the wipe on – wipe off method.

Bidder Complies YES_____ NO_____

10.2.4 Sealer. To enhance the adhesion between the substrate and top coat of paint, a transparent sealer/adhesion promoter shall be applied to the modular body. A minimum of two (2) wet coats of sealer shall be applied. The initial coat shall be allowed to flash 10 minutes before the application of the second coat. Once the sealer has cured, the body is to be sanded smooth with 320 grit sandpaper using a DA orbital sander.

Bidder Complies YES_____ NO_____

10.2.5 Top Coat. The top coat of paint shall be a high solid two-component polyurethane enamel, suitable for automotive refinishing, trucks and equipment. Paint shall provide an easy application with excellent flow along with superior gloss and durability in a two-coat application.

Bidder Complies YES_____ NO_____

10.2.6 Final Sand and Buff The entire exterior surface of the module shall be sanded with a minimum 1200 to 1500 grit sand paper and then followed by 3000 grit wet sandpaper. The exterior of the module will then be polished using the 3M 3000 buffing system with 3M Perfect-It III buffing compound to provide a smooth, high gloss final surface finish. This process shall provide a smooth, high gloss finish that is resistant to scratching and chipping. If proper vehicle care is taken.

Bidder Complies YES_____ NO_____

10.3 Color Standards and Tolerances. Shall be as required by paragraph 3.16.2.1 of Federal Specification KKK-A-1822F.

Bidder Complies YES_____ NO_____

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10.4 Salt Spray Resistance. Shall meet the requirements of paragraph 3.16.3 of Federal Specification KKK-A-1822F.

Bidder Complies YES _____ NO _____

One (1)

Paint, OEM White Sikkens Crossover Codes

Y__N__

The ambulance shall be painted black and white and have decals installed to match our fleet of ambulances. Photos will be provided along with the bid specs.

One (1)

Roof Star, White Border, Installed, Std Model Only

Y__N__

ROOF TOP MARKINGS

A "Star of Life" of not less than 32 inches and conforming to KKK-1822F section 3.16.4.C shall be installed on the ambulance rooftop.

Bidder Complies YES _____ NO _____

One (1)

ELECTRICAL SYSTEM: Circuitboard

Y__N__

ELECTRICAL SYSTEMS AND COMPONENTS

The emergency medical vehicle's electrical system must meet KKK - A1822 - F Section 3.7.1. This agency will specify systems, components, materials, and production methods within this section. However, a failures can occur whether the vehicle is under warranty or outside the warranty parameters. This agency operates the vehicle on a twenty four hours a day, seven day a week (24/7) basis. Therefore, the primary manufacturer will provide a local service facility during regular business hours and a 24/7 support service staffed by trained technicians to assist this agency.

Local service
facility _____

24/7 Service assistance, phone number _____

Bidder Complies YES _____ NO _____

The driver and patient compartment control consoles shall be constructed in a way that the switches and any gauges are easily serviced. They shall be accessible through service panels. These panels will be secured in the closed position in a positive manner, yet can be easily opened for service.

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Bidder Complies YES _____ NO _____

5V-10-0050

The control console gauges shall be internally illuminated and controlled by the headlight switch rheostat. All lights and fixtures installed on the module exterior shall have a corrosion inhibitor applied to all mounting holes prior to installation. NO EXCEPTIONS

Bidder Complies YES _____ NO _____

5V-10-0055

The driver and patient console shall incorporate full size "Euro-Style" rocker switches. The switch assembly shall be 1.97 inches tall by 1.064 inches wide with silver plated copper contacts and a .250 inch spade type terminal. The rocker switch shall incorporate a LED indicator lamp and rated at 15 Amps continuous service. The switch and rocker shall be of a thermo set molding material. The complete switch assembly shall be designed to withstand one thousand (1,000) volts RMS dielectric test. The switches shall have a positive "throw" feel and an audible click upon activation and deactivation

Bidder Complies YES _____ NO _____

5V-10-0060

The rocker switches, as described in section 4.1.3, shall have integrated label lens area that is illuminated by two independent LED's. The LED brightness shall be controlled by the headlight rheostat. The label shall be white legends on black poly carbonate background.

Bidder Complies YES _____ NO _____

5V-10-0065

The OEM throttle monitor shall be mounted in the primary manufacturer's console. It shall be mounted to be easily accessible to the driver.

Bidder Complies YES _____ NO _____

5V-10-0070

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WARNING INDICATORS

The electrical system shall incorporate a warning light panel in the driver's console. It shall provide indicator lights for showing when a patient compartment door(s), side and rear, are open. This shall be a flashing red LED light. There shall be an exterior compartment "door open" warning light. This shall be a flashing red LED light of the same size.

Bidder Complies YES _____ NO _____

5V-10-0075

A battery indicator light shall be provided. It will be a green light located in the warning light panel. It shall illuminate when the battery switch is in the "ON" position. The light shall be steady burn to indicate the batteries have been selected.

Bidder Complies YES _____ NO _____

5V-10-0080

WIRING INSTALLATION

The ambulance body and accessory electrical equipment shall be served by circuit(s) separate and distinct from the vehicle chassis circuits. Wiring methods must conform SAE J1292. All wiring provided by the primary manufacturer shall be copper and conform all the SAE J1127 and SAE J1128 requirements. All low tension primary cable shall have GXL or better insulation. All low tension battery cable shall have SGX insulation. Documentation from the wiring manufacturer that the wire used by the primary manufacturer is in compliance with this requirement shall be submitted with the proposal. Bids not meeting this requirement will not be accepted.

Bidder Complies YES _____ NO _____

5V-10-0085

The wiring shall be permanently color coded to identify wire function. Wires shall be permanently heat ink embossed with both number and function codes. The function code shall be the descriptive name of the circuit served. The number code shall be the exact purpose of that circuit. This number code shall be completely referenced in a detailed wiring schematic provided with the vehicle. The function and number code shall be embossed at a minimum of four inch

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intervals the entire length of the wire terminating into all switch and control panels. The use of multi-conductor cable must be function and color coded and shown on the wiring diagram.

Bidder Complies YES _____ NO _____

5V-10-0090

Wiring shall be routed in conduit or high temperature looms with a rating of 300 degrees Fahrenheit where necessary to protect it. All added wiring shall be located in accessible, enclosed, and protected locations and kept at least six inches from the exhaust system components. Electrical wiring and components shall not terminate or be routed in the oxygen storage compartment except for the oxygen controlled solenoid, compartment light, and switch. All conduits, looms, and wiring shall be secured to the body or frame with insulated metal cable straps in order to prevent sagging and movement which results in chafing, pinching, snagging or any other damage. All apertures on the vehicle shall be properly grommeted and sealed for passing wiring and conform SAE 1292. All items used for protecting or securing the wiring shall be appropriate for the specific application and be standard automotive, aircraft marine, or electronic hardware.

Bidder Complies YES _____ NO _____

5V-10-0095

Circuit connections shall be made on barrier style terminal blocks utilizing binding post screws for positive mechanical connections. minimize the potential for wiring shorts and voltage drops all wiring terminals shall be brass, tin plated, annealed, ETP copper with nylon high heat insulation. Serration's, inside the barrel, provide maximum contact and tensile strength after crimping. Connection shall be machine crimped, UL standards, with a high quality crimping tool that produces crimps for a given size wire and terminal that are precisely alike in appearance and performance. Crimping pressure must be controlled by a ratchet device on the hand tool or a corresponding pre-calibration in the crimping jaws of an automated machine. Crimping pressure can neither over-stress nor under stress the terminal-barrel-machined dies.

Bidder Complies YES _____ NO _____

5V-10-0100

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No splices shall be permitted except for connection of "pig-tail" devices. Butt splices are permitted for connection of "pig-tail" devices. The use of IDC (Insulation Displacement Connector) connectors, ie: "3M Scotchlok" type fasteners, is not acceptable.

Bidder Complies YES _____ NO _____

5V-10-0105

The various wiring installations as supplied with this vehicle shall be of the automotive "harness" design. For ease of identification and future replacement these harnesses shall be engineered and manufactured in the following sections.

1. Engine compartment harness.
2. Driver's control console harness.
3. Main module harness.
4. Chassis rear lighting harness.

This agency is extremely concerned the primary manufacturer has the ability to control, warranty and replace the harnesses. To that end, the primary manufacturer shall not subcontract the construction of these harnesses.

Bidder Complies YES _____ NO _____

5V-10-0110

WIRING CRITERIA AND CIRCUIT BOARD

All wiring devices, switches, outlets, etc., except circuit breakers, shall be rated to carry a minimum of one hundred and twenty-five percent (125%) of the maximum ampere load for which the circuit is protected. All wires carrying a load of more than 5 amperes shall be a minimum of 16 AWG. There shall be a master electrical component panel located in the vehicle. It is preferred that the master panel be mounted on or near the bulkhead of the patient compartment. Standard circuit breakers, relays, and diodes shall be mounted on a printed circuit board that is easily accessible. All components on the circuit board are to be permanently labeled as their function.

Bidder Complies YES _____ NO _____

5V-10-0115

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The printed circuit board shall be designed and manufactured as follows: A screen printed board with all circuits fully numbered and labeled. The circuit board shall be a double-sided copper trace printed circuit with a double-sided laminated isolator. The board shall be non photo imageable solder mask over bare copper with hot air leveled solder over non masked copper. Fuse capacity is the beginning factor in calculating trace width to ensure proper current carrying capability. The circuits shall then be oversized as much as space permits for maximum cooling of the board. All holes shall be plated through. The terminal strips shall be mounted on the board for connection of the above mentioned wiring harness. Automotive transient suppressers must be incorporated into circuit board at the point of cable entry to the board. All relays must include built in noise suppression. The suppression must be accomplished with a IN4001 parallel with the coil. The relay must have a 40 ampere continuous contact rating with one form C contact arrangement. Normally open contact must have a maximum initial voltage drop of 200 milli-volts at 40 ampere contact load. The relays must withstand 24 VDC for five minutes conducting rated contact current in case of accidental 24 volt jump start condition. Circuit board options must be programmable via jumpers to facilitate addition of options. The color of wire and circuit number must be screened printed at the terminal block connections on the board for rapid identification and relation schematics. Documentation that the above requirements are met must be included with the bid document.

Bidder Complies YES _____ NO _____

5V-10-0120

The printed circuit board shall incorporate red LED indicators for on board diagnostics for input, output, and switching circuits for troubleshooting at a glance.

Bidder Complies YES _____ NO _____

5V-10-0125

CIRCUIT BOARD CERTIFICATION

The printed circuit board must meet the following specifications:

1. Packaging and Interconnecting Acceptability Standard number IPC 600
2. UL-796
3. Solder mask, IPC number SM-840

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4. Solder in conformance with MIL SPEC QS-571
5. Laminate in conformance with IPC number 4101

Certification must be included with this bid.

Bidder Complies YES _____ NO _____

5V-10-0130

A service loop of wire or harness, per KKK-A1822-F specification, shall be provided at all electrical components, terminals, and connection points. All relays shall be mounted for ease of serviceability. All high current diodes greater than 5 amperes shall be heat sink mounted. provide the optimum circuit "overload" protection, the electrical system's main circuit board shall allow for the use of stud type automatic reset pole breakers. One spare 15 ampere circuit breaker shall be provided for future use. A solid state electronic flasher shall be heat sink mounted to the panel for control of the flashing warning light system. All wiring between the cab and module shall be connected to a terminal strip(s) or block(s) or use multi pin connectors on the electrical component panel and shall provide for future module replacement. All connectors and terminals provided shall comply with SAE J163, J561, or J928 as applicable.

Bidder Complies YES _____ NO _____

5V-10-0135

MASTER MODULE DISCONNECT SWITCH OR DEVICE

This device shall be located on the driver's compartment console and shall be permanently labeled and back lighted with a LED light and the brightness controlled by the head light rheostat. The "MASTER" disconnect switch shall be considerably different in size and feel from the other console switches.

Bidder Complies YES _____ NO _____

5V-10-0140

PATIENT COMPARTMENT CONTROLS

All switches and controls for the patient compartment shall be located on a service panel in the Action Area angled slightly toward the rear of the vehicle.

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The switches and controls shall be identical as referenced in section 4.1.3 of this document. These switches shall not function until the "MASTER" switch in the driver's console is in the "ON" position. The patient compartment switches shall be permanently marked and back lighted by a LED light.

Bidder Complies YES_____ NO_____

5V-10-0145

ELECTROMAGNETIC RADIATION AND SUPPRESSION

Must meet KKK - A1822 - F specification. Documentation from an independent testing laboratory must be included with the bid.

Bidder Complies YES_____ NO_____

One (1)

Coax Cable, RG58/U, (1), Additional, Std Model only

Y___N___

From Port # 1 to behind the front passenger seat.

One (1)

**Coax Cable, RG58/U, (1) Each, Standard, Terminate:
ANTENNA CABLE INSTALLATION**

Y___N___

From Port # 3 to behind the front passenger seat

Shall meet the requirements of paragraph 3.14.3 of Federal Specification KKK - A - 1822E.

Bidder Complies YES_____ NO_____

One (1)

**Outlet, Cigar Lighter, STD, (2), A/A
INTERNAL 12 VOLT DC POWER**

Y___N___

The patient compartment shall be furnished with a 12 volt DC, 20 ampere capacity, separately protected circuit, with two outlets. The outlets shall be Cigar Lighters and shall be located (1) in the Action Area, (1) in the R/F cabinet next to the 110 VAC outlet.

Bidder Complies YES_____ NO_____

One (1)

**Outlet, Dual USB Port, 5VDC, 2.1Amp output, Standard
PORT 5 VOLT DC POWER USB STYLE**

Y___N___

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The Drivers compartment shall be furnished with a 5 volt DC, 2.1 ampere capacity, separately protected circuit, with a Dual USB outlet. It shall be located in the center console to the passenger side.

One (1) **Outlet, Kussmaul, USB Dual Port, 5VDC, 3 Amp output, switch panel Style, IATS** Y__N__
PORT 5 VOLT DC POWER USB STYLE

The patient compartment shall be furnished with a 5 volt DC, 3 ampere capacity, separately protected circuit, with a Dual USB outlet. It shall be located in the action area switch panel.

One (1) **Power Source, 12VDC, 20A, Ignition/Shoreline Hot** Y__N__
POWER SOURCE

A 12VDC power source shall power customer supplied portable battery charging devices. It shall be 20 amp and ignition/shoreline switch hot. The power source shall be split into two locations tagged and identified (1) behind driver's seat and (1) behind action area in module.

One (1) **Power Source,12 VDC,15 Amp (+-), Std Model only** Y__N__
POWER SOURCE

A 12VDC power source shall power Radios. It shall be 15 amp and Ignition hot. This will be located in the cab console.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Power Source,12 VDC,30 Amp (+-), Std Model only** Y__N__
POWER SOURCE

A 12VDC power source shall power Radios It shall be 30 amp and Constant hot. This will be located behind the cab passenger seat.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Camera, (2), Backup, Safety Vision, w/Color LCD Monitor** Y__N__
BACKUP CAMERA

A Safety Vision backup camera with color LCD monir shall be installed. There shall be two cameras mounted (1) on the rear of the module to assist with backing

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the unit and (1) mounted on the interior patient module over the rear doors to view towards the front of the ambulance. The monitor shall be mounted in the cab visible to the driver, preferably on the front corner of the cab switch panel – passenger side.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Refrigerator,Norcold,12VDC/110VAC, #DE0751BB-T** Y__N__

The refrigerator will be mounted in the R/F cabinet – lower left section.

One (1) **Super Auto Eject,20 amp, ILOS, White, Std Model Only** Y__N__
SHORELINE INLET

A 20 amp Super Auto Eject shoreline inlet with a GFI and interrupter shall be installed and located above compartment E.

Does your bid comply with this requirement?

Yes () No ()

One (1) **110 VAC OUTLETS:** Y__N__
115 VOLT AC UTILITY POWER

115 volt AC utility power must meet KKK - A1822 - E. Utility power shall be as describ-ed in KKK - A1822 - E paragraph 3.7.8.1. Electrical 115 volt AC receptacles shall be as described in KKK - A1822 - E paragraph 3.7.8.2.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Outlet, 110 VAC, Duplex, (2), STD** Y__N__
110 VAC OUTLETS

Two 110VAC duplex outlets shall be installed in the patient compartment. One outlet shall be located in the action area, and one outlet shall be located in the right front cabinet.

Does your bid comply with this requirement?

Yes () No ()

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One (1) **Outlet, 110 VAC, Duplex, IATS** Y__N__
ADDITIONAL 110VAC OUTLET

An additional 110VAC duplex outlet shall be installed in the telemetry area.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Blockheater, Engine, W/Switch, Wired to Shoreline** Y__N__
ENGINE BLOCKHEATER

An engine block heater shall be installed with a switch located on the driver side of the center console. It shall be wired to the shoreline.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Inverter/Charger, Vanner 20-1050CUL-DC** Y__N__
INVERTER/CHARGER

A Vanner 20-1050CULW inverter charger shall be installed. It shall power the 110VAC outlets. A switch shall be installed in the action area.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Meter, Analog, Volts, F1** Y__N__
VOLTMETER

The vehicle shall include a Datcon analog voltmeter. It shall be located in the front center console next to the ammeter.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Alarm, Low Voltage, Audio/Visual** Y__N__
LOW VOLTAGE ALARM

The electrical system shall be monitored by a system that provides both an audible and visual warning in case of low voltage in the ambulance. The alarm

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shall sound if the system voltage at the batteries drops below 11.8 Volts for a 12 Volt nominal system for more than 120 seconds.

Bidder Complies YES _____ NO _____

One (1)

Switch, Emergency Master, Non Seq
EMERGENCY MASTER SWITCH

Y__N__

An Emergency Master Switch shall be located in the Engine Cover Console just to the right of the Master Switch. The engaged emergency master switch shall turn on all of the emergency lights if the master switch is in the on position.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Siren Speakers, Cast SAD/P3806-11FSD-1, F1, 2011-16, Std

Y__N__

These shall be thru the bumper speakers

One (1)

Siren, Whelen, WS-295-SLSA1, Standard
SIREN, PUBLIC ADDRESS SYSTEM

Y__N__

The ambulance shall be equipped with hands free electronic siren with silent testing. The siren shall be a Whelen WS-295-SLSA1.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Siren, Whelen, Howler installed, Ford F-Series, IATS
SIREN AMPLIFIER

Y__N__

There shall be a Whelen Howler installed behind the front bumper of the chassis. Howler is an add-on to any 100/200 watt siren amplifier and is not a replacement to the vehicles primary siren. Uses low frequency tones to synchronize with the vehicles primary siren tones

Includes low frequency siren amplifier and speaker(s). Works with any sweeping, Hi/Low, or electronic mechanical tones generated by the primary siren. The Howler includes 8 different tone durations, 7.5-60 seconds and uses the primary siren speaker output wires and divides the frequency to one of three frequency bands via dip switch. Selections are 1/4 tone 1/2 tone, or a composite of both. Includes two external cancel controls. Choose from 12 volt or ground deactivation

Bidder Complies YES _____ NO _____

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One (1) **Airhorn, Buell, 5440 comp, 10 & 12 inch horns** Y__N__
AIR HORNS

A Buell 5440 air horn system shall be installed with two horns. One horn shall be 10 inches long and one horn shall be 12 inches long. The compressor shall be mounted in compartment E. The trumpets shall be mounted under the front bumper. There will be a momentary switch on the driver's side of the cab switch panel to activate the air horns.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Switch, Siren/Horn Thru Horn Ring** Y__N__
SIREN/HORN SWITCHING

The siren shall be switched through the horn ring.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Panel, ECX, Door Ajar, w/ Circuit** Y__N__
VISUAL ALARMS

A visual depiction of the ambulance shall alert the driver with an audible alarm and an illuminated door to show which entry or compartment door is opened.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Alarm, Back-Up, Auto Reset, Std Model only** Y__N__
BACKUP ALARM

A backup alarm with a cut off switch shall activate when the vehicle is shifted into reverse. The alarm shall automatically be reset and engage when the vehicle is placed in reverse again. The device must meet OSHA and SAE J994 requirements, and shall be rated (SAE) for Type C or B.

Does your bid comply with this requirement?

Yes () No ()

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One (1)

Alarm, Backup Sensor
PROXIMITY ALARM

Y__N__

A proximity alarm shall be installed. The sensors shall be located on the rear module above the kickplate area. The control box shall be located in the cab area.

Does your bid comply with this requirement?

Yes () No ()

One (1)

VEHICLE EXTERIOR LIGHTING
VEHICLE EXTERIOR LIGHTING REQUIREMENTS

Y__N__

The basic exterior ambulance lighting shall comply with FMVSS standard number 108 and the requirement herein and include:

1. Amber front, rear directional signals, red brake and hazard warning lights.
2. Front and rear side marker lights.
3. Back up light(s).
4. Loading lights.
5. Clearance lights
6. Ambulance emergency lights.
7. Flood lights.
8. Spotlight(s)

Note: This agency is concerned for the safety of the patients, crew, and the public sharing the roadways. Therefore, this agency requires the primary manufacturer to incorporate recessed DOT marker lights at the highest point of the vehicle. The marker lights shall be visible 360 degrees. In addition, each corner marker light shall be visible 180 degrees, also at each corner the marker light lens cover shall be tilted upward on a 45 degree angle be visible above the horizontal plane for 360 degrees. These measures will insure the vehicle will be visible in low light conditions with the headlights in the "on" position. **Bolt on upper clearance lights or clearance lights within the support side extrusions will not be acceptable.** The rear side marker light shall be a minimum of two inches in diameter and shall function as a turn signal indicator as described in KKK - A1822 - E.

Does your bid comply with this requirement?

Yes () No ()

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F3-10-1000

EMERGENCY LIGHTING SYSTEM

The emergency lighting system must provide the vehicle with 360 degrees of visual warning ability. The system must display highly perceptible and attention getting signals that function in a modal system and convey the message in the primary mode to clear the right of way. In the secondary mode hazard vehicle stopped on right of way.

Does your bid comply with this requirement?

Yes () No ()

F3-10-2000

The basic warning light system shall contain twelve red, one clear and one amber light. These lights shall function in a dual mode system as shown in KKK - A - 1822E and meet the physical and photo metric requirements of paragraph 3.8.2.1 of that same document. The upper body warning lights shall be identical and mounted at the extreme upper corner areas of the ambulance body below the horizontal roof line, with the single clear light mounted between the two front facing red upper corner lights and the amber light centered above the rear doors. The two red grill lights shall be mounted per KKK - A - 1822E specifications without compromising the chassis manufacturer's air intake into the engine compartment.

Does your bid comply with this requirement?

Yes () No ()

F3-10-3000

PHOTO METRIC AND PHYSICAL REQUIREMENTS

As specified by KKK - A - 1822E. All emergency light switches shall be labeled as specified in paragraph 3.7.11 of KKK - A - 1822E, and the primary/secondary mode switch(s) shall have an indicator light to show the driver which mode is activated. All warning light control switches, as described in section 4.3.1 of this document, shall be located in the driver control console and arranged to provide the warning signal modes and combinations as specified in Table 1 of KKK - A - 1822E, page 19. An independent testing laboratory will certify that the system meets these requirements. Test documents to be included with this proposal.

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Does your bid comply with this requirement?

Yes () No ()

Eight (8)

Light, M9RC, LED, Whelen, Red, Clear Lens, ILOS, W/Flange

Y__N__

A Whelen M9RC Red Super LED light with a clear lens shall be located (2) Front of the module, std location, (2) each side of the module, std location, and (2) on the rear of the module – std location.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Light, M9AC, LED, Whelen, Amber, Clear Lens, ILOS, W/Flange

Y__N__

A Whelen M9AC Amber Super LED light shall be located on the rear center of the module above the rear entry doors.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Light, M9C, LED, Whelen, Clear, ILOS, W/Flange

Y__N__

A Whelen M9C Clear Super LED light shall be located on the front center of the module – std location.

Does your bid comply with this requirement?

Yes () No ()

Two (2)

Light, M9K, LED, Whelen, R/A, Clear Lens, IATS, W/Flange

Y__N__

A Whelen M9K Red/Amber Super LED light shall be located (2) rear mid body to shine thru the upper door windows when the rear entry doors are opened..

Does your bid comply with this requirement?

Yes () No ()

Four (4)

Light, M9D, LED, Whelen, R/C, Clear Lens, ILOS, W/Flange

Y__N__

A Whelen M9D Red/Clear Super LED light with a clear lens shall be located on the front of the module between the center clear and the outer reds.

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Does your bid comply with this requirement?

Yes () No ()

Four (4)

Light, Whelen M2D, Red/Clear, Lens Clear, w/ Flange ILOS

Y__N__

- (2) will be mounted on the upper grille as grille warning lights
- (2) will be mounted on the front fenders as front intersection warning lights

One (1)

Corner Cap Lts, Multi-LED, (2) Amber (2) Red w/ Flashers, Std Model CLEARANCE LIGHTS

Y__N__

The primary manufacturer shall incorporate DOT marker lights at the highest point of the vehicle. The marker lights shall be visible 360 degrees. In addition, each corner marker light shall be recessed and visible 180 degrees. Also at each corner, the marker light lens cover shall be tilted upward on a 45 degree angle to be visible above the horizontal plane for 360 degrees. These measures will insure the vehicle will be visible in low light conditions with the headlights in the "on" position. Bolt on upper clearance lights or clearance lights within the support corner extrusions will not be acceptable. Amber lenses shall be installed on the front corners and Red lenses shall be installed on the rear corners. The light shall be LED and flash at high intensity when activated through a separate switch located on the cab console.

Does your bid comply with this requirement?

Yes () No ()

Three (3)

Light, Clearance, Red LED, Std Model only MARKER LIGHTS

Y__N__

Two red LED marker lights shall be installed in the rear bumper. One shall be installed on the driver's side and one installed on the passenger side of the rear bumper pontoons. There will also be (3) mounted above the drip rail of the module to illuminate at any time the headlights are activated.

Does your bid comply with this requirement?

Yes () No ()

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Four (4)

Light, LED, Whelen, Clear, #M9LZC w/Flange, ILOS, (1)
EXTERIOR FLOOD LIGHTS

Y__N__

Four Whelen M9LZC Clear LED lights shall be installed. Loading lights shall not be less than seventy-five inches above the ground and shall not be obstructed by open doors. Two floodlights shall be located on each sides of the vehicle and be firmly fastened to the body surfaces below the roof line. The side flood lights shall be controlled from the cab console and be independently switched.

Does your bid comply with this requirement?

Yes () No ()

Two (2)

Light, LED, Whelen, Clear, #M9LZC w/Flange, ILOS, (1)
EXTERIOR FLOOD LIGHTS

Y__N__

Two Whelen M9LZC Clear LED lights shall be installed. Loading lights shall not be less than seventy-five inches above the ground and shall not be obstructed by open doors. Two floodlights shall be located on each sides of the vehicle and be firmly fastened to the body surfaces below the roof line. The side flood lights shall be controlled from the cab console and be independently switched.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Scene Lights, C/S, Activated W/C/S Door
SCENE LIGHT ACTIVATION

Y__N__

The curbside scene lights shall be activated when the curbside door is opened.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Scene Lights, (4), To Activate W/ Reverse Gear.
ADDITIONAL REAR SCENE LIGHTS ACTIVATION

Y__N__

The front and rear scene lights on both the curbside and street side shall activate when the vehicle is place in the reverse gear.

Does your bid comply with this requirement?

Yes () No ()

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One (1) **Light, License Tag, (2), Trucklite #15205 LED, ILOS** Y__N__
LICENSE TAG LIGHT

There shall be two license tag lights installed on either side of the rear license plate.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Flanges, Whelen, (6) Whelen M6 series taillight set** Y__N__
FLANGES FOR TAIL LIGHTS

Whelen chrome flanges shall be provided for the stop/tail, turn and backup lights on the rear of the vehicle.

Bidder Complies YES_____ NO_____

One (1) **Taillight Pkg, Whelen, M6 LED Stop/Tail,Turn Arrow & Max Intensity Backup** Y__N__
TAILLIGHT PACKAGE

There shall be a Whelen taillight package installed on the rear of the vehicle. The stop/tail lights shall be M6 series LED with signal alert. The turn signals shall be a M6 series LED with sequential arrow shaped design. The backup lights shall be M6 series Max intensity LED.

Bidder Complies YES_____ NO_____

One (1) **Fog Lights, Hella, Clear** Y__N__
FOG LIGHTS

Hella Fog Lights with clear lenses shall be installed on the cross bar of the grille guard.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Headliner, Flat, Expanded PVC, with (8) HVAC Ducts** Y__N__
MODULE HEADLINER

The module headliner shall be manufactured out of expanded PVC material. The liner shall be white and installed to allow flush mounting of the interior lighting. There shall be eight adjustable HVAC ducts in the liner, four on each side.

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One (1)

Lights, Dome, LED, Whelen, White Flng, (4) S/S, (3) C/S, ILOS
VEHICLE INTERIOR LIGHTING

Y__N__

The basic interior compartment shall be provided with seven overhead dual intensity LED lights. The lights shall be Whelen 80W00EZR. There shall be four lights located over the primary patient stretcher and three over the squad bench. These lights shall be mounted into the patient compartment head liner and shall not protrude into the patient compartment. The overhead shall have two levels of intensity, a high and low settings. The attendant shall be able to control the level of light via switches in the action area control panel. The dual lighting shall work together or may be separately selected from side to side. The four lights over the primary patient shall illuminate on the low setting when the side modular or rear modular doors are open. Certification shall be provided by an independent testing laboratory with this proposal.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Light, Stepwell, LED, Whelen #TOCACCCR, 2in, ILOS
STEP WELL LIGHT

Y__N__

A 2" LED step well light shall be provided in the step well area of the modular curb side door and shall be activated upon opening the curb side or rear modular doors.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Light, Grote 12v, LED Strip, In A/A ILOS
ACTION AREA LIGHT

Y__N__

A twelve volt direct current LED light strip with switch shall be provided in the attendant action area. The light shall be a Grote 60591.

Bidder Complies YES_____ NO_____

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One (1) **Light, Flex Shaft Littlelite, 12in** Y__N__
INTERIOR LIGHTING

A Flex Shaft Littlelite 12 inch light shall be installed XXXXX.

Does your bid comply with this requirement?

Yes () No ()

One (1) **LIGHTS & MISCELLANEOUS:** Y__N__

One (1) **Spotlight, Blue Eye, 400,000 CP, Std Model only** Y__N__
HANDHELD SPOTLIGHT

A hand held spotlight shall be provided with a minimum of four hundred thousand candle power lamp. The spotlight shall be a Blue Eye. It shall be in a corrosion proof housing with a protected momentary switch to prevent accidental activation. A minimum eight feet of heavy duty coiled cord will be supplied and it shall be hard wired in the cab area and accessible to the driver and passenger.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Lights,(2), 4in, LED, to Illum Running Boards, Constant Hot** Y__N__
RUNNING BOARD LIGHTS

A 4 inch LED light shall be installed on the front stone guards of both the passenger and drivers side front module. The lights shall illuminate the running boards when the cab doors are open.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Lighting, Compt, LED Hi-Brite Flex, ILOS** Y__N__
LED Hi-Brite Flex lighting shall be installed in all of the exterior compartments.

Does your bid comply with this requirement?

Yes () No ()

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Three (3) **Light, Whelen, LED, #52, Red, Flashing, IATS** Y__N__
OPEN DOOR WARNING LIGHT

A Whelen LED #52 red light shall be mounted in the lower outer corner of the entry compartment door interior panel. The light shall flash when the door is in the open position and anytime the ignition is activated.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Timer, Momentary Sw,15 Minute, Constant Hot, Std Model only** Y__N__
TIMER

An Intermatic 15 minute Timer shall be installed at the head of the squad bench. The timer shall be wired constant hot and shall power the streetside dome lights on high..

Does your bid comply with this requirement?

Yes () No ()

One (1) **Light, in Circuit Board Area, for Electrical Troubleshooting** Y__N__
ELECTRICAL TROUBLESHOOTING LIGHT

A small light with a switch shall be installed in the circuit board area for troubleshooting. The light shall be wired battery hot.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Clock, Intellitec, Installed** Y__N__
CLOCK

An Intellitec clock shall be installed in the action area of the patient compartment.

Does your bid comply with this requirement?

Yes () No ()

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One (1) **IV Warmer, Smithworks, Floor model** Y__N__
IV WARMER

A Smithworks IV Warmer shall be installed (To be Determined).

Does your bid comply with this requirement?

Yes () No ()

One (1) **Suction Pump, Standard** Y__N__
SUCTION PUMP

A suction pump shall be installed that shall comply with Federal Specifications KKK-1822E.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Insulation, Severe Weather Package** Y__N__
ACOUSTIC AND CLIMATE INSULATION

The primary manufacturer shall supply an insulating material that is non flammable with a Class A, Class 1 fire rating. It shall be certified to meet the smoke and flammability requirements of FMVSS 302. The exposed walls of the exterior compartments and wheel wells that intrude into the interior of the modular shall be covered with reflective insulating material with a value of R-14. The side, front, rear, walls as well as the ceiling shall be insulated with a one inch block foam beneath a full covering of reflective insulation. In addition, spray foam insulation shall be installed under the aluminum floor moisture barrier and between the floor structures.

Bidder Complies YES_____ NO_____

One (1) **Grabrail, Overhead, 59IN, Handicap Style, Yellow, IATS** Y__N__

An additional ceiling grab rail will be installed above the edge of the squad bench to assist any personnel in standing. This rail shall be yellow powder coated stainless steel.

One (1) **Grabrail,Overhead,117",Handicap Style,Yellow,Std Model Only** Y__N__
OVERHEAD GRABRAIL

An overhead grabrail shall be installed in the patient compartment head liner. The grabrail shall be yellow powder coated stainless steel and handicapped style with

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rounded ends. The grabrail shall be a minimum of 117 inches long and shall be mounted in a recess in the liner.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Handrails,(3),Custom "L" Shape,1",Yellow,Entry Drs,Std Model
ENTRY DOOR GRAB HANDLES

Y__N__

On each entry door there shall be an L shaped grab handle. The vertical portion of the L shall be close to the hinge of the door and run the full length of the upper window in the door. The horizontal portion of the L shall be located just under the upper window. The grab handles shall be 1 inch diameter brushed stainless steel and handicapped style.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Rack, Cylinder, Ziamatic, "M", QRM-2
OXYGEN CYLINDER RACK

Y__N__

A Ziamatic oxygen cylinder rack shall be located in compartment F. The rack shall be QRM-2 for an "M" cylinder. The rack shall be located on wall # 2 near wall # 3.

Does your bid comply with this requirement?

Yes () No ()

One (1)

O2 Sys,LF,(2)O2/(1)Vac Port A/A,(1)O2 C/S, Std Model only
OXYGEN, MAIN SUPPLY AND INSTALLATION

Y__N__

The ambulance shall have a hospital type piped oxygen system capable of storing and supplying three thousand liters of medical oxygen. The cylinder controls shall be accessible from inside the patient compartment. The pressure gauge shall be visible from either the attendant's seat or from the squad bench. The oxygen shall be piped to two self sealing Ohio adaptable oxygen outlets located in the action area and one located on the curbside wall at the head of the squad bench. The oxygen system will incorporate electrically conducted oxygen hose with a working pressure of one hundred and fifty pounds per square inch. All oxygen hose and outlets will use machine crimped brass ferrules and high pressure connectors. The entire oxygen delivery system will be pressured tested with a

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minimum of one hundred and fifty pounds per square inch of pressure of nitrogen gas for a period of four hours. The testing documentation will be delivered with the vehicle.

A vacuum port shall also be located in the action area to supply the vacuum to the suction container.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Regulator, Oxygen Cylinder, Preset 50PSI, Installed** Y__N__
One (1) REGULATOR,LGE CYL,PRESET 50PSI

One (1) **Regulator/Holder, SSCOR 22000, Std Model only** Y__N__
SUCTION ASPIRATOR

The ambulance shall be equipped with an on board vacuum aspirator. The unit shall be mounted on the action area wall above the action area tray to collect any bio fluids that may be spilled. The unit shall be an SSCOR 22000 with a stainless steel container holder. The container shall be disposable and the regulator panel shall be located in the action area panel. The vacuum pump shall be installed via a twelve volt direct current system. The on/off switch shall be located in the attendant's console.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Cot Mount, Stryker #6377, Dual Position - Change Notice 8- NOT COMPLIANT** Y__N__
SEAT, LITTER, RESTRAINT ANCHORAGE

Patient restraints shall be as specified in paragraph 3.11.8 of Federal Specification KKK - A - 1822E. Cot fasteners and safety bets shall be mounted in tapping plates. The cot fastener shall be a Stryker 6360-30-10.

Does your bid comply with this requirement?

Yes () No ()

One (1) **Non-Compliance to SAE J3027 Patient Cot Mount Notice** Y__N__
The Litter Fastener/Anchorage you have selected for this order does not meet the performance requirements of the SAE J3027 Recommended Practice for Ambulance Litter Integrity, Retention and Patient Restraint.

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Section 3.11.6 of KKK-A-1822F as revised July 1,2015 specifically relates to Litter Fasteners and Anchorage and requires the installed fastener for wheeled cots to meet the performance requirements of SAE J3027 Recommended Practice for Ambulance Litter Integrity, Retention and Patient Restraint.

Two (2)

IV Hook, Cast, Fold Down Recessed, ILOS
IV HOLDERS FOR INTRAVENOUS FLUID CONTAINERS

Y__N__

Shall be as specified in paragraph 3.11.9 of Federal Specification KKK - A - 1822E. There shall be four Cast fold down style recessed IV holders. One shall be located on the curbside at the head and foot of the cot, and one shall be located on the street side at the head and the foot of the cot.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Wrench, Oxygen, Tethered, Mods
OXYGEN WRENCH

Y__N__

An oxygen wrench shall be located in the oxygen compartment. The wrench shall be tethered so that it will not become lost.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Net, Squad Saver, at Head of Squad Bench, 2" Straps, Black
SQUAD SAVER NET

Y__N__

A squad saver net shall be attached to the end of the squad bench, the curbside wall and the overhead liner with removable latches. The net shall be made from a black nylon one inch webbing.

Does your bid comply with this requirement?

Yes () No ()

Three (3)

Seatbelt, Assy, (6) Point, (1) EA - Change Notice 8 -Compliant

Y__N__

One (1)

Dri Deck, Black, All compt. Floors and Shelves
COMPARTMENT FLOOR AND SHELF COVERING

Y__N__

All compartment floors and shelves shall have a black Dri-Deck installed.

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Does your bid comply with this requirement?

Yes () No ()

One (1)

Holder, Cylinder, Single Floor, Ferno #521, Installed
CYLINDER HOLDER

Y__N__

A single floor cylinder holder shall be shipped loose with the ambulance to be installed after delivery. It shall be a model FW521.

Does your bid comply with this requirement?

Yes () No ()

Two (2)

Seat Belt, Across Compt Opening
SECURING EQUIPMENT

Y__N__

An adjustable seat belt shall be installed (1) in B2 to secure back boards and (1) in F to secure the stair chair to keep the equipment secure during transit.

Does your bid comply with this requirement?

Yes () No ()

One (1)

MODULE INTERIOR

Y__N__

One (1)

Interior Cabinets - Duralite Construction, Wood
INTERIOR SURFACES

Y__N__

All vertical edges of cabinets shall be of an aluminum extrusion with a $\frac{3}{4}$ inch radius designed to free the interior of the patient's compartment of all sharp edges or projections. The face and inside of the cabinets shall be covered by a commercial grade laminate and adhered to the cabinet face by a high quality poly vinyl adhesive using a thermal press application. The wood, adhesive and laminate shall be pressed together at 200 degrees for four minutes in a thermal platen press. There shall be no voids of the adhesive between the laminate and the cabinet surfaces.

Does your bid comply with this requirement?

Yes () No ()

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RU-05-0000-1 CABINET CONSTRUCTION

The interior cabinets, squad bench assembly, shelves and doors shall be constructed of marine grade plywood; due to the product's ability to be customized to fulfill the needs of this agency, the additional acoustical and thermal insulation properties, repair ability, and the safety factor of not producing sharp fragments or shards in the event of a serious collision. The thickness of the finished panels used to construct the cabinets, shelves and doors shall be 3/4 inches including mica, adhesive, and glue. Any construction materials that provides anything less than 3/4 inch panels in cabinet construction is not acceptable to this agency. NO EXCEPTION.

The squad bench lid shall be attached to the squad bench assembly via a stainless steel piano hinge the entire length of the bench. The squad bench shall be equipped with a locking device to automatically secure the lid upon closing. The patient compartment wall panel (behind the squad bench) and the cab compartment wall panel shall be constructed of 1/4 inch plywood and covered with color coordinating high pressure laminate.

The cabinets shall be constructed using 8 mm dowels placed no farther than 32 mm apart. The dowels shall be a hardwood and pre-glued.

The doors on the upper cabinets shall be surface mounted with European hinges and 3mm edge banding. The doors on the center and lower cabinets shall be flush mounted using continuous stainless steel piano hinge and a 3 mm edge banding. All doors and cabinet openings shall be covered with a 3 mm edge banding with radius edges.

Does your bid comply with this requirement?

Yes () No ()

RU-05-0000-2 INTERIOR STOWAGE ACCOMMODATIONS

The interior of the patient compartment shall provide but not be limited to a minimum volume of thirty cubic feet of enclosed cabinets. Interior cabinet, shelf and compartment space shall be conveniently located for medical supplies, devices or other equipment. All interior cabinets shall be fully lined inside with high-pressure plastic laminate. The equipment and supplies necessary for airway management shall be within easy reach of the medic at the head of the stretcher. Interior cabinet dimensions are as described.

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Does your bid comply with this requirement?

Yes () No ()

One (1)

Mica, Gray Pampas #4168-01, High Gloss
INTERIOR SURFACES

Y__N__

The cabinets shall be a gray gloss color.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Flooring, Wood, Type 1, Std
FLOOR

Y__N__

A top floor of seven ply three quarter inch marine grade plywood, sanded both sides with no voids, shall be installed over the moisture barrier. The plywood shall be marine resin coated prior to installation to prevent warping due to ambient moisture absorption. The plywood floor shall be one piece from the bulkhead to the rear doors between the patient door steeple and squad bench and extend under the street side cabinets. The plywood floor shall be securely anchored to the floor sub structure with one quarter inch UNF machine by two and one half inch screws.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Flooring, Lonplate II, Gunpowder Grey #424TX, Std Model only
FLOOR COVERINGS

Y__N__

The patient compartment floor covering shall be a heavy duty material that is impervious to fluids. The flooring shall be glued to the plywood floor using an adhesive compound. The flooring shall be Lonplate II and the color Gunpowder Gray #424. There shall be no adhesive voids between the flooring and the plywood. The floor shall be designed to roll up the side of the street side and bulk head cabinets and squad bench.

Does you bid comply with this requirement?

Yes () No ()

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One (1)

Seat, Attendant, EVS, Child, Gunmetal #1880S, ILOS
ATTENDANT SEATING

Y__N__

Seating for the attendant shall consist of a contoured high back padded bucket seat. The seat covering shall be an easy clean vinyl material and be impervious to blood borne pathogens and other contaminants. Therefore, cloth seats or seats with welting seams or visible stitching will not be accepted. The vinyl shall be Gunmetal. Seating must meet OSHA regulation 1910.1030. The seat belt must be certified to KKK - A1822 - E specification and to FMVSS and shall be an integrated three-point harness. An integrated child safety seat shall be incorporated in the seat. Installation shall comply with FMVSS. The seat shall be mounted on a swivel base.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Uph, Smless, Gunmetal, No Bio, No Post & Wheel
UPHOLSTERY

Y__N__

The finish of the entire patient's compartment, including storage cabinets and equipment, shall be impervious to soap and water, disinfectants, bio fluids, mildew and shall be fire resistant per FMVSS 302. Upholstered cushions shall be a minimum of thirty two ounce nylon reinforced commercial vinyl material. Squad bench cushions and attendant seat and backrest cushions shall be fabricated in such a manner to eliminate exposed welting. Cushions with welting or beaded seams shall not be accepted due to the risk of bio fluid penetration. Describe below your method of cushion construction. The color of the upholstery shall be gunmetal gray.

Does your bid comply with this requirement?

Yes () No ()

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One (1) **Lexan Flaps, Hinged Left Side, Fixed Right Side, Std** Y__N__
INTERIOR OXYGEN VIEWING DOOR

A Lexan door shall be installed on the oxygen viewing opening.

Does your bid comply with this requirement?

Yes () No ()

There will be a Lexan flap with (3) holes cut located above the curb side entrance door to allow for the storage of gloves.

One (1) **R/F Cabinet - Custom, Hoseline Combo/Ducted, ILOS** Y__N__

The upper cabinets will have 0.50” gray lexan doors hinged right & left respectively. The lower section will have the Norcold refrigerator on the lower left side and there will be another cabinet located to the right of the refrigerator with a 0.50” lexan door. This cabinet as well as the upper cabinet will be inside/outside access.

One (1) **Lock, Key, KV-70, Installed** Y__N__
CABINET LOCK

A KV-70 key lock shall be installed on the L2 wood door.

Does your bid comply with this requirement?

Yes () No ()

Four (4) **Latch, Southco M1-64-8, 2IN S/S, Non-Locking, (1), ILOS** Y__N__

(1) on the L2 wood door. (3) on the lexan doors on the right front cabinet.

Three (3) **Latch, Southco M1-63-8, 2IN S/S, Non-Locking, (1), ILOS** Y__N__

Cabinets: R1, R2, and K2

One (1) **Squadbench,(1)D Cyl Storage,W/Biowaste, 153" only** Y__N__
SQUAD BENCH CABINET

The squad bench cabinet shall be located on the curb side of the patient compartment over the rear wheel well. The squad bench shall be a minimum of 72 inches long and be constructed of three quarter inch birch. The lid shall be attached to the squad bench assembly via a stainless steel piano hinge the entire

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length of the bench. The hinge shall attach with fasteners in a vertical position through the face of the lid and not through the edge of the cabinet and lid. The squad bench shall be equipped with a locking device to automatically secure the lid upon closing. The squad bench shall be furnished with two sets of 6 Point safety belts for seated occupants and three Two point belts for the retention of a cot when positioned on the squad bench. The anchorages for the side facing seat belt assembly shall withstand a minimum of 2,500 pounds force when tested in accordance with FMVSS 210-S5.1. A full length cushion shall be installed on the squad bench lid and on the wall as a back rest. The interior of the squad bench shall provide storage. At the head of the squad bench shall be a built in trash disposal area. A trash can shall be accessible under a red flip up lid, and a sharps container's circular opening shall be accessible through a round cutout in the squad bench lid. Both the trash can and the sharps container may be removed from the squad bench by lifting up a sectioned portion of the squad bench lid. At the head of the squad bench there shall be a drop down door which provides accessibility to storage for one "D" portable oxygen cylinder.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Lid, Squad Bench, Single W/Bio-Waste, 153", Std Model only
SQUAD BENCH LID

Y__N__

The squad bench shall have a full length lid that shall be manufactured from three quarter inch birch. The lid shall be covered in color coordinating high pressure laminate.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Handle, Trimark, Squad Bench, STD
SQUAD BENCH LATCH

Y__N__

The squad bench lid shall be secured with a paddle handle that latches automatically when the squad bench lid is closed. The latch shall hold the lid secure during transit and shall not open unless the handle is lifted.

Does your bid comply with requirement?

Yes () No ()

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One (1) **Strut, Gas, 60 LB, Installed, ILOS, Mods** Y__N__
SQUAD BENCH HOLD OPEN

When the squad bench lid is lifted, it shall be held in place by a 60 pound pneumatic hold open.

Does your bid comply with requirement?

Yes () No ()

One (1) **CS Splint, 7in Deep, 2 Sect, Gray Lexan Flapglass, 153 Module** Y__N__
CURBSIDE SPLINT CABINET

A cabinet shall be located above the squad bench near the headliner. The cabinet shall be 7 inches deep, approx 8 inches high and run the length from the curbside door to the rear wall cabinet. The cabinet shall be separated into two equal cabinets with gray Lexan Flapglass doors.

Does your bid comply with this requirement?

Yes () No ()

One (1) **H, Cabinet, Inside/ Outside Access** Y__N__
STREETSIDE REAR MIDDLE CABINET

Cabinet "H" shall be located on the street side of the patient compartment. It shall be the rear most middle cabinet and shall be 20.75 inches high and 31.75 inches wide. The opening shall provide access to compartment "D".

Does your bid comply with this requirement?

Yes () No ()

One (1) **I, Cabinet, Inside/ Outside Access** Y__N__
STREETSIDE REAR LOWER CABINET

Cabinet "I" shall be located on the street side of the patient compartment. It shall be the rear most lower cabinet and shall be 15.0 inches high and 31.75 inches wide. The opening shall provide access to compartment "D".

Does your bid comply with this requirement?

Yes () No ()

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One (1)

M, Cabinet, 1/2 height, std
STREETSIDE MIDDLE CABINET

Y__N__

Cabinet "M" shall be located on the street side of the patient compartment. It shall be the middle cabinet just forward of compartment "D" and shall be 7.25 inches high, 21 inches wide, and 19.5 inches deep.

Does your bid comply with this requirement?

Yes () No ()

One (1)

O, Cabinet, full height, std
STREETSIDE MIDDLE LOWER CABINET

Y__N__

Cabinet "O" shall be located on the street side of the patient compartment. It shall be the middle lower cabinet just below cabinet "M" and shall be 15.0 inches high, 22.0 inches wide, and 19.5 inches deep.

Does your bid comply with this requirement?

Yes () No ()

One (1)

CPR, side seat, Std Model only
CPR SIDE SEAT

Y__N__

A CPR side seat shall be located just above the rear street side wheel well. Seamless upholstered cushions shall be located on the bottom and rear wall of the seat area. Cushions shall also be located above the head area for safety.

Does your bid comply with this requirement?

Yes () No ()

One (1)

CPR, side seat, flip up lid, Std Model only
CPR SEAT STORAGE

Y__N__

A small storage area shall be located under the CPR seat and just above the wheel well. The storage shall be accessed by lifting a lid which holds the bottom seat cushion.

Does your bid comply with this requirement?

Yes () No ()

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One (1) **J, Cabinet, 72" H.R.** Y__N__
STREETSIDE REAR UPPER CABINET

Cabinet "J" shall be located on the street side of the patient compartment. It shall be the rear upper cabinet and shall be 18.5 inches high, 20.25 inches wide, and 19.5 inches deep.

Does your bid comply with this requirement?

Yes () No ()

One (1) **K, Cabinet, 72" H.R.** Y__N__
STREETSIDE REAR UPPER CABINET

Cabinet "K" shall be located on the street side of the patient compartment. It shall be the rear upper cabinet just above cabinet "M" and shall be 18 inches high, 23.5 inches wide, and 19.5 inches deep.

Does your bid comply with this requirement?

Yes () No ()

One (1) **K2, Cabinet, w/ CPR seat** Y__N__
STREETSIDE MIDDLE UPPER CABINET

Cabinet "K2" shall be located on the street side of the patient compartment. It shall be the middle upper cabinet just above the CPR seat and shall be 12 inches high, 24 inches wide, and 7 inches deep.

Does your bid comply with this requirement?

Yes () No ()

One (1) **L, Cabinet, L1, L2, L3 Combine 2 Equal Cabinets, 3/4 F, 72"** Y__N__
STREETSIDE FORWARD UPPER CABINET

Cabinet "L" shall be located on the street side of the patient compartment. It shall be the forward upper cabinet just above the action area. The cabinet shall be divided into two separate cabinets "L1 and "L2". Cabinets "L2" shall be 10.0" wide with the rest of the cabinet to the rear being open with a lexan slider. L2 will have a solid wood door.

Does your bid comply with this requirement?

Yes () No ()

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One (1)

BASEWALL DOORS:
STORAGE COMPARTMENTS AND CABINET DESIGN

Y__N__

All storage cabinets shall be easily opened but shall not come open during transit. The cabinets shall be accessible through a variety of door options.

When specified to be Lexan, the doors shall be reciprocating horizontal sliding Lexan doors. The door shall be transparent to permit viewing of supplies and the door shall open with a grab anywhere device. The handle shall run the full vertical length of the Lexan. The Lexan shall be three sixteenths of an inch in thickness and shall be enclosed in an extruded aluminum frame. The frame shall cover the entire perimeter of the cabinet opening and the Lexan set within the frame on a track lined with a material to prevent the Lexan from sliding open and shut during transport.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Cab H, Gray Lexan Slider
CABINET "H" DOOR

Y__N__

The door to cabinet "H" shall be a Lexan slider. The Lexan shall be gray.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Cab I, Gray Lexan Slider
CABINET "I" DOOR

Y__N__

The door to cabinet "I" shall be a Lexan slider. The Lexan shall be gray.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Cab M, Gray Lexan Slider
CABINET "M" DOOR

Y__N__

The door to cabinet "M" shall be a Lexan slider. The Lexan shall be gray.

Does your bid comply with this requirement?

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Yes () No ()

One (1)

Cab O, Gray Lexan Slider
CABINET "O" DOOR

Y__N__

The door to cabinet "O" shall be a Lexan slider. The Lexan shall be gray. There shall also be an adjustable shelf in this cabinet.

Does your bid comply with this requirement?

Yes () No ()

Four (4)

Restocking Feature, (1) cabinet, (2) Gas Strut, 20lbs,ILOS
RESTOCKING FEATURE

Y__N__

The restocking feature on this cabinet shall allow for the aluminum plexiglass frame to lift up for easy restocking of the cabinet. The frame shall lift open hinging at the top and be kept open by two 20 pound pneumatic pistons. The pistons shall keep the frame in the open position to allow for restocking. The frame shall latch when in the closed position with a positive mechanical latch. This will be installed on cabinets: J, K, K2, O, and L1.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Cab,A/A,W/Biowaste,Rounded Corner, Type 1
ACTION AREA CABINET

Y__N__

The action area shall provide for easy access to switches located in the action from the attendant seat, squad bench and CPR seat, if applicable. The switches shall be located in an angled cabinet on the back wall of the action area.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Telemetry Tray, Poured, Gray, Narrow, 50" Aisle, Type 3
TELEMETRY TRAY

Y__N__

The top of the telemetry cabinet shall provide a clean work area. The countertop shall be one piece with a one inch lip around the tray. The tray shall be manufactured from molded polyester resin to provide a seamless countertop. The tray shall be topped with a durable top coat of gray gel coat. NO EXCEPTION.

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Does your bid comply with this requirement?

Yes () No ()

One (1)

A/A Tray, 149"-170", W/ Bio, Poured, Gray
ACTION AREA TRAY

Y__N__

The top of the action area cabinet shall provide a clean work area. The countertop shall be one piece with a one inch lip around the tray. The tray shall be manufactured of a solid surface material. NO EXCEPTION. This tray is mandatory to facilitate cleaning and contain any fluids or bio.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Cab "J" Gray Lexan Slider
CABINET "J" DOOR

Y__N__

The door to cabinet "J" shall be a Lexan slider. The Lexan shall be gray. There shall also be an adjustable shelf in this cabinet.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Cab "K" Gray Lexan Slider
CABINET "K" DOOR

Y__N__

The door to cabinet "K" shall be a Lexan slider. The Lexan shall be gray. There shall also be an adjustable shelf in this cabinet.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Cab "K2" Gray Lexan Slider
CABINET "K2" DOOR

Y__N__

The door to cabinet "K2" shall be a Lexan slider. The Lexan shall be gray.

Does your bid comply with this requirement?

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Yes () No ()

One (1)

Cab "L1" Gray Lexan Slider
CABINET "L1" DOOR

Y__N__

The door to cabinet "L1" shall be a Lexan slider. The Lexan shall be gray. There shall also be an adjustable shelf in this cabinet.

Does your bid comply with this requirement?

Yes () No ()

One (1)

Cab "L2" Wood Door
CABINET "L2" DOOR

Y__N__

The door to cabinet "L2" shall be a solid wood door hinged on the right.

Does your bid comply with this requirement?

Yes () No ()

One (1)

SHIP LOOSE ITEMS:
STANDARD MANDATORY MISCELLANEOUS EQUIPMENT

Y__N__

Unless otherwise precluded elsewhere in this specification the vehicle shall be equipped with the following:

*One five pound fire extinguisher that is ABC dry chemical multipurpose with a quick release bracket.

*No smoking oxygen equipment signs conspicuously place in the cab and patient compartment.

*A back up alarm, audible warning device activated when the vehicle is shifted into or moving in reverse.

In addition, the following items shall be shipped loose in the vehicle:

One (1)

Bracket, Spare Tire Mounting, Ship Loose
SPARE TIRE MOUNTING

Y__N__

The spare tire mounting brackets shall be shipped loose in the vehicle.

Does your bid comply with this requirement?

Yes () No ()

County of Hyde

One (1)

Spare Tire, OEM only, Ship Loose
SPARE TIRE

Y__N__

The OEM spare tire shall be shipped with the vehicle.

Does your bid comply with this requirement?

Yes () No ()

One (1)

End Of Order
QUALITY ASSURANCE PROVISIONS

Y__N__

Defective components shall not be furnished. Parts, equipment, and assemblies, which have been repaired or modified to overcome deficiencies shall not be furnished without the written approval of the purchaser. Construction methods utilized shall be in accordance with industry standards. Component parts and units shall be manufactured to definite standard dimensions with proper fits, clearances and uniformity. The general appearance of the vehicle shall not show any evidence of poor workmanship.

At the time of delivery, the manufacturer's representative shall explain the use and operation of the new vehicle(s) and provide an owner's manual for the complete vehicle. The manual shall contain useful information on routine maintenance and trouble shooting. All warranty registration materials shall be completed and explained at the time of delivery. The manufacturer shall arrange for over the road delivery under the finished vehicle(s) own power. The vehicle(s) shall be delivered clean and free of road debris with at least fifty percent fuel on board.

The bidder shall be responsible for the performance and test requirements required herein. This agency reserves the right to perform any of the inspections and tests set forth in this specifications where such inspections are deemed necessary to assure conformation of specification. The primary manufacturer shall conform to this agency's representatives with instruments and all such assistance as may be required.

Does your bid comply with this requirement?

Yes () No ()

The primary manufacturer shall be ISO 9001:2000 certified.

Does your bid comply?

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Yes () No ()

TESTS

The primary manufacturer is obligated to prove that the vehicle, ambulance components and equipment provided meet the requirements of this specification and are compliant to Federal Ambulance Specification KKK - A - 1822E and any amendments in effect at the time of this bid. Copies shall be provided with this of the test documents and a letter from a independent testing laboratory that has performed the tests certifying that the following tests have been conducted and passed. Test documents or any source other than described above shall not be accepted. Failure to comply with the requirement shall be considered as non-responsive and will not be accepted. The certified tests are as follows and conform to the requirements of this specification and Federal Ambulance Specification KKK - A - 1822E.

- A. Vehicle Physical Dimensions (3.4.11 through 3.4.11.6)
- B. Patient Compartment Interior Dimensions (3.10.4)
- C. Stepwell, Bumpers and Facilitation (3.11 through 3.10.11, 3.10.3 through 3.10.16 and 3.9.9)
- D. Storage Compartment and Facilitation (3.11 through 3.11.2.1,3.11.4 and 3.11.6)
- E. Ambulance Body and Patient Area (3.10.1 through 3.10.3, 3.10.6 through 3.10.8, 3.10.20 through 3.10.11, 3.10.3 through 3.10.16 and 3.9.9)
- F. Vehicle Weight Distribution (4.4.3 and 3.5 through 3.5.6 and 3.19)
- G. Water Spray Test (4.4.5)
- H. 115 VAC Utility Power (3.7.8 through 3.7.8.3)
- I. Electrical System Components (3.7.8 through 3.7.8.3, 3.7 through 3.7.5, 3.7.7 through 3.7.7.4, 3.7.9 through 3.7.11, 3.8.1, 3.8.4 and 3.8.50)
- J. Patient compartment Illumination (3.8.5.1)
- K. Electrical Generating System (3.7.6 through 3.7.6.3 and AMD 005)

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- L. Warning Lights and Siren System (3.8.2 through 3.8.4 and 3.14.6)
- M. Door Latches, Hinges and Hardware (3.10.9)
- N. Static Load Test (3.10.5 and AMD 001)
- O. Patient Compartment Interior Surfaces (3.10.17 and FMVSS 302)
- P. Oxygen System Test (4.4.6, 3.12.1 and 3.12.1.1)
- Q. Oxygen Cylinder Restraint Test (3.11.3 and AMD 003)
- R. Litter Fastener and Anchorage (3.11.7 and AMD 003)
- S. Suction Aspirator System (3.12.3 and 3.12.4)
- T. Heating Criteria (3.4.2, 3.7.9 through 3.7.11, 3.6.3.2, 3.13.1 through 3.13.7)
- U. Air Conditioning Criteria (3.4.2, 3.7.9 through 3.7.11, 3.6.3.2, 3.13.7, 3.6.4.5.1 through 3.6.4.5.1)
- V. Ventilation Criteria (3.13.6)
- W. Patient Compartment Sound Level (3.13.8 and AMD 006)
- X. Patient Color and Markings (3.16 through 3.16.2 and 3.16.4)
- Y. Manuals and Handbooks (3.20 and 6.8)
- Z. Seat Belt Test (3.11.6)
- AA. Electromagnetic Radiation and Suppression (3.7.12)
- BB. Standard Miscellaneous Equipment (3.15.2)
- CC. Miscellaneous Equipment (3.7.5 and 3.9.5)

Does your bid comply with this requirement?

Yes () No ()

EXCEPTIONS

County of Hyde

Exceptions shall be submitted as set forth in section A1.1.2 of this document. This agency will accept proposals from any business entity proclaiming to manufacturer vehicle(s) to conform with this specification. Further, this agency will not deny the right of any manufacturer to present their product. However, It should be noted, that any primary manufacturer that does not take exceptions shall produce the vehicle exactly as described. Failure to produce said vehicle may be grounds for this agency to pursue a resolution of damages through civil and criminal court.

Does your bid comply with this requirement?

Yes () No ()

County of Hyde

The following are photos to show the current paint scheme of our ambulances to include 3M brand reflective graphics. The black is paint. Please look closely.



County of Hyde

