Anderson County Government

Request for Bids

100 North Main Street, Suite 214 Courthouse Clinton, Tennessee 37716 (865) 457-6218 Office (865) 457-6252 Fax

purchasing@andersontn.org http://andersontn.org/purchasing

Bid No.: 2102

Date Issued: August 26, 2020

Bids will be received until 2:30 p.m. Eastern Time on September 17, 2020

Sealed bids are subject to the <u>General Terms and Conditions</u> of this bid, and any other data attached or incorporated by reference. Bids will be received in the Anderson County Purchasing Office until the date and time specified above, and at that time publicly opened and read aloud.

ANDERSON COUNTY RESERVES THE RIGHT TO WAIVE ANY INFORMALITIES IN OR TO REJECT ANY OR ALL BIDS AND TO ACCEPT THE BID DEEMED FAVORABLE AND IN THE BEST INTEREST OF ANDERSON COUNTY.

Robert J. Holbrook, Interim Director of Finance

BID DESCRIPTION

Bid for Type III Ambulance and Type II Transit Van. Vendors are to submit one original and two copies. Questions are to be emailed to purchasing@andersontn.org.

Anderson County EMS

Clinton, TN

Bid #2102

EMERGENCY MEDICAL VEHICLE TYPE III (4X2) DRW

TYPE II TRANSIT VAN

DESIGNED TO MEET OR EXCEED THE LATEST REVISION OF KKK-A-1822-F

Anderson County ("the County") is seeking bids for two types of brand-new ambulances:

- 1. TYPE III (4X2) DRW
- 2. TRANSIT MID HIGH ROOF (4X2) TYPE II SRW

Vendors may choose to bid on only one of the two types of ambulances.

The specifications are intended to provide the guidelines and parameters of the ambulances. Many of the components can be procured from common vendors. In those instances, the model or brand specified shall be used. The bidder is encouraged to propose a like model for the items they cannot provide. Alternative construction and design methods detailed by the bidder shall not be cause for automatic rejection.

Each section requiring a response shall be marked by the bidder to acknowledge acceptance and compliance with the specification. Should the bidder choose not to comply with the specified requirements, the bidder shall disclose to the County what they are offering in comparison. Exceptions shall be documented on the "Exceptions Sheet" Exceptions shall include the section heading, the page number and a detailed description of what is proposed by the bidder. If needed to provide a full explanation, photographs may be included. Bids taking 'total exception' will not be accepted. Exceptions with descriptions claiming they meet or exceed the specification with no backing documentation may subject the bid to disqualification.

Vendors bidding on the **TYPE III (4X2) DRW** must review all the specifications listed in Sections 1-15 and indicate compliance with each specification. Exceptions to specifications must be detailed on the "Exceptions Sheet".

Section 16 provides a list of additional options for the **TYPE III (4X2) DRW** ambulance that may or may not be included in the bid award. Vendors bidding the **TYPE III (4X2) DRW** ambulance are requested but not required to provide pricing for these items. Anderson County reserves the right to add or reject these items individually.

Vendors bidding on the TRANSIT MID HIGH ROOF (4X2) TYPE II SRW must review all the specifications listed in Sections 17 - 31 and indicate compliance with each specification. Exceptions to specifications must be detailed on the "Exceptions Sheet".

Section 32 provides a list of additional options for the **TRANSIT MID HIGH ROOF (4X2) TYPE II SRW** ambulance that may or may not be included in the bid award. Vendors bidding the **TRANSIT MID HIGH ROOF (4X2) TYPE II SRW** ambulance are requested but not required to provide pricing for these items. Anderson County reserves the right to add or reject these items individually.

Drawings

The bid shall include computer aided design (CAD) drawings for the model specified here. Two dimensions (2D) sales drawings shall be acceptable for the bid submission. Standard model or generic drawings and drawings provided "upon request" are not acceptable.

Upon bid award and finalization of the order, the awarded bidder shall have three dimensions (3D) models to complete the ambulance. The 3D models shall be available to view by The County during the build process. To maintain a level of quality and craftsmanship, the entire ambulance shall be modeled with 3D CAD software before any fabrication begins. Manufacturers utilizing a different engineering method shall document this in the exceptions section of the bid reply

Referenced Publications

This bid sites specific documents or portions of documents listed below. It is the bidder's responsibility to ensure the ambulance proposed meets the requirements set forth in these documents.

Responsibility of the County

It shall be the responsibility of The County to consider the amount of equipment and personnel that will be carried on the ambulance and to specify a minimum usable payload that will accommodate this weight once the ambulance is placed in service. The County shall specify any details of the ambulance that would exceed the minimum specifications of those standards.

Responsibility of the Contractor

Bids shall provide a detailed description of the ambulance with the proposal along with a list of equipment to be furnished. Documentation of all testing data detailed in this specification shall be included in the bid proposal. Failure to comply with this requirement is considered to be non-responsive and will be subject to rejection for this cause.

Responsibility for the ambulance and customer-supplied equipment shall remain with the vendor until accepted by The County.

Manufacturing Capability

The ambulance manufacturers shall use a continuous flow production system to assemble their models of ambulances. The advantage of this continuous flow system is the entire assembly of the vehicle is broken down into logical assembly phases to which resources are attributed and properly trained. A description of the manufacturer production system shall be included with the bid response.

The manufacturer supplier base shall be horizontally integrated. Therefore, the manufacturer shall have a light supplier base able to supply the manufacturer with a vast array of components. The advantage of horizontally integrated suppliers is being able to meet production demands during peak periods without the need to hire untrained personnel. The ambulance manufacturer is to have documented consistent experience with building an ambulance in accordance with these specifications and construction products. At least 80% or greater of all ambulances built in a year are to be of aluminum and/or fiberglass interior.

The ambulance manufacturer is to have routinely built at least 400 or more ambulances of varying models of this type construction, each year for the last five (5) consecutive years. The manufacturer shall also provide a list of like models to the County upon request.

Vendor Name:	
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TYPE III (4X2) DRW SPECIFICATIONS

17.0 Schedule The manufacturer shall be able to schedule the ambulance into its production cycle to give an accurate deadline of completion from the time of the signed accepted order. The bid shall include the proposed lead-time for the completion unit and other important milestones in a Gantt chart. The manufacturer shall not be held liable for changes arising from its failure to make or delay in making delivery because of fire, flood, strike, riot, chassis shortage, accidents, acts of force majeure, or any circumstances beyond the bidding manufacturer's control. Manufacturer shall be responsible for delivery of ambulance upon completion to Anderson County, TN. Y____ N____ Does your bid comply with the specification as written? Y N Does your proposal include an exception to this requirement? 17.1 Quality Processes A manufacturer's internal quality process system shall be in place. This quality processed system shall conform to ISO-9001 specifications. To ensure the quality system is continually maintained the manufacturer shall be audited by an independent agency. Documentation on this internal quality process system shall be provided with the bid. Y____ N____ Does your bid comply with the specification as written? Y N___ Does your proposal include an exception to this requirement? 17.2 Ambulance Components All components shall be installed in accordance with the applicable manufacturer's installation instructions. The emergency medical care vehicles, including chassis, equipment, devices, medical accessories, and electronic equipment shall be standard commercial products, tested and certified to meet or exceed the requirements of this standard. Vehicles shall be free from defects that may impair their serviceability or detract from appearance. All bodies, systems, equipment, and interfaces with the chassis shall be done in accordance with OEM best practices. Y____ N____ Does your bid comply with the specification as written? Y N Does your proposal include an exception to this requirement? 17.3 Warranty The manufacturer shall include documentation of all warranties pertaining to the new ambulance. Each warranty shall be specifically detailed and shall describe what exactly is covered under the specified warranty. Warranties must be described and detailed in exact times (e.g years, months, days).

Vendor Name: _____

Module Structure:

Electrical:

Paint:

	Materials and Workmanship:OEM Materials:		
	A written statement of each of the manufacturer's warranties shall be pro-	ovided wit	h this bid
	proposal. Does your bid comply with the specification as written?	Y	_ N
2.4			
	Does your proposal include an exception to this requirement?	Y	_ N
1.4	Documentation All documentation delivered with the ambulance shall either be printed format, audiovisual format or any combination of these forms of media. shall be provided in a centralized manual, binder or CD. All documentate labeled and shall be easy for the County to review as necessary.	The docui	mentation
	The ambulance manufacturer shall deliver with the ambulance at least following documents:	one (1) co	py of the
	 The manufacturer's record of ambulance construction details, incluinformation: a. Owner's name and address b. Ambulance manufacturer, model, and serial number c. Chassis make, model, and VIN d. GAWR of front and rear axles and GVWR e. Front tire size and total rated capacity in pounds (kilograms) f. Rear tire size and total rated capacity in pounds (kilograms) g. Engine make, model, serial number, rated horsepower and torquentary h. Type of fuel and fuel tank capacity i. Electrical system voltage and alternator output in amps j. Battery make, model, and capacity in cold cranking amps (CCA) k. Chassis transmission make, model, and serial number l. Ratios of all driving axles m. Maximum governed road speed n. Paint manufacturer and paint number(s) o. Company name and signature of responsible company represent p. Documents from a certified scale showing curb weight on the axle(s) (done after construction is completed, and without person Certification of compliance of the optical warning system Siren manufacturer's certification of the siren Written load analysis and results of the electrical system performances Certification of slip resistance of all exterior stepping, standing, and 	e) rative front axlennel and ec	e and rear quipment)
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
1.5	Operations and Service Documentation The manufacturer shall deliver with the ambulance at least one (owner/operator manuals. These manuals shall also include service documentation the completed ambulance as delivered and accepted.	1) set of imentation	complete n covering
	Vendor Name:		-

The owner/operator manual shall include the inspection, service, and operations of the

a	imbulance of all major components thereof. The documentation listed here imbulance delivered and shall contain the following information:	shall be	for each
2 3 4 5	 Manufacturer's name and address Country of manufacture Source for service and technical information Parts replacement information Descriptions, specifications, and ratings of the chassis Wiring diagrams for low voltage and line voltage ambulance-specific sy the following information: Pictorial representations of circuit logic for all electrical component Circuit identification Connector pin identification Zone location of electrical components Safety interlocks Alternator-battery power distribution circuits Input/output assignment sheets or equivalent circuit logic imultiplexing systems Lubrication charts Operating instructions for the chassis, any major components Instructions regarding the frequency and procedure for recommende Overall ambulance operating instructions Limitations of use Inspection procedures Troubleshooting guide Ambulance body, chassis, and other component manufacturer's warn Special data required by this standard Material safety data sheet (MSDS) for any fluid that is specified ambulance	ts and wimplement	iring ented in
	Does your bid comply with the specification as written?	Υ	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
	Certification and Payload Signage The complete ambulance shall have a certification and payload label. The mounted on the body (module) interior in a conspicuous location. The compahall have a payload calculation form.	his label pleted ar	shall be
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
	Dimension Labeling The completed ambulance manufacturer shall provide a high-visibility ladimensions of the ambulance and the GVWR of the competed vehicle. To located in a location easily found by the driver.	abel sho This labe	owing the
	Does your bid comply with the specification as written?	Y	_ N

1.6

1.7

Vendor Name: _____

	Does your proposal include an exception to this requirement?	Y	N	
1.8	Component Protection All manufacturer or supplier supplied hose lines, air system tubing and electrical harnesses shall be mechanically attached to the frame or body structure of the ambulance. All exposed tubing, electrical wiring and hoses shall be contained in a loom or an insulated covering on both the exterior and interior of the ambulance. Where hoses and electrical wiring looms are passing through metal edges; a protective grommet shall be installed in the hole to prevent premature wear on the loom or hose. Exposed wires and hoses shall not be permitted as this poses a potential hazard and could cause premature failure of critical components on the completed ambulance.			
	Does your bid comply with the specification as written?	Y	N	
	Does your proposal include an exception to this requirement?	Y	N	
1.9	Personnel Protection Protection in the form of guards and shields shall be provided on the completo prevent injury of personnel by temperature sensitive, moving, or rotating production maintenance operations. Access to these areas shall be restricted yet still qualified technicians to perform maintenance when necessary.	arts dur	ing non-	
	Electrical insulation or isolation shall be provided on all electrical component electrical shock from onboard electrical systems. Electrical systems and properly secured in the electrical control panel to prevent accidental entry or areas.	wiring	shall be	
	The completed ambulance shall be free of sharp edges and protrusions the during routine maintenance or while the vehicle is in motion.	hat coul	d injure	
	Does your bid comply with the specification as written?	Y	N	
	Does your proposal include an exception to this requirement?	Y	N	
1.10	Liability The bidding manufacturer shall furnish a Certificate of Insurance showing liability insurance which shall not be less than ten million dollars (\$10,00 general liability Certificate of Insurance shall be provided by the manufa Failure to provide a Certification of Insurance may be considered non-respondent rejection of the bid.	0,000.00 cturer's)). This insurer.	
	Does your bid comply with the specification as written?	Y	N	
	Does your proposal include an exception to this requirement?	Y	N	
1.11	Service Parts and Warranty Capability Bidders authorizing local service centers will be cause for a lower level of of The County. It is preferred that the bidder provide this service direct for conscrepairs as not to be farmed out. Details of service capability will be prosubmission, to include if the bidder is providing this service direct or include: Vendor Name:	sistent ar ovided v	nd quick with bid	
	Vendor Name:			

- 1. Facility Name, Address, Phone Number, & Primary Contact
- 2. Size of Facility
- 3. Number of employees and certifications/training credentials
- 4. On Site Field Service Capabilities
- 5. Photos of actual facilities
- 6. 24/7/365 Emergency Service Hotline

It is a high priority to The County to be able to maintain our fleet and minimize critical failure issues and have access to quick repairs. To assist in prompt repairs to our fleet successful vendor must meet the following service and maintenance requirements. Greater consideration will be given bidder that has a comprehensive ambulance module repair facility to administer warranty repair and stock in house parts. Bidder must offer this direct service within their coverage area.

Does your bid comply with the specification as written?	Y	_ N
Does your proposal include an exception to this requirement?	Y	_ N
Bidder must be recognized as the authorized provider of ambulances as County's state.	nd servi	ce for the
Does your bid comply with the specification as written?	Y	_ N
Does your proposal include an exception to this requirement?	Y	_ N
24/7 FIELD SERVICE TECHNICIANS - EMERGENCY SERVICE: Co the vendor have on site mobile service vehicle fleet with factory trained Fully stocked with common service items as necessary available 24 hou week. All module repairs must be performed via a factory trained technic include pictures of their service fleet vehicles, facility & comply with the	EVT ted rs a day cian. Ver	chnicians. 7 days a ndor shall
Does your bid comply with the specification as written?	Y	_ N
Does your proposal include an exception to this requirement?	Y,	_ N
Bidders must list their service facility profile and credentials to the Co	ounty be	elow
Factory Authorized Facility Name:		
Full Time Service Manager Name:		
Full Time Parts Manager Name:		
Daytime Phone Number:		
24 hr Emergency Service Number:		
24 hr Monitored Email Link:		
# Factory Authorized Mobile Service Techs:		
Vendor Name:		- 6

	Does your bid comply with the specification as written?	Y	Ň
			N
	Does your proposal include an exception to this requirement?	•	
2	TEST AND CERTIFICATION		
2.01	Testing Capabilities The ambulance manufacturer shall be equipped to do a majority of the ambulance testing at their facility. All pull tests, load tests, lighting level tests and noise level tests shall be done at the manufacturer's facility. The manufacturer shall have a full range of testing equipment proven by an independent engineering agency.		
	In-house testing facilities are preferred by this County as this gives the flexibility to perform tests on various designs and iterations on a continual shall be audited and documented by an engineer, which will all be accredited of engineering and technology of their respective state or province.	basis. A	II testing
	If the Ambulance manufacturer does not have its own testing facility or description of how continual testing is provided shall be detailed on the "Ex	n-site, a	detailed s Sheet".
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
2.02	2.02 Testing Requirements The bidding manufacturer shall be capable of passing testing certifications for No America. All testing performed shall meet or exceed the highest requirement set forth in a of the North American standards listed here. The manufacturer shall be able to provide testing or certification results for the following requirements. Copies of testing documentation and certification for the Ambulance Manufacturers Division of the National Truck Equipment Association (AMD) requirements shall be provided withis proposal:		
	Copies of different vehicle certifications for the following vehicle specifications for the following vehicle specifica	fications	shall be
	 KKK: Federal Specification for the Star of Life Ambulance (KKK FMVSS: US Federal Motor Vehicle Safety Standards and Regulat DOT: US Department of Transportation 	C-A-182 tions	2)
	Any manufacturer who exceeds these specifications is welcomed to provide it needs to be useful in the application of The County to be considered a pl	le data.] us.	However,
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N

2.03 Additional Testing Requirements

In addition to the above mentioned testing requirements in section 2.02, the following tests shall be conducted on the specific model, passed and documented.

2.03.1 Additional AMD Testing Requirements

• AMD 004: Cot Retention Pull Test

Above and beyond the minimum required 2200 lbs., the bidding manufacturer must have completed a cot retention pull test to meet or exceed 10 times the weight of the cot plus the cot hardware and the weight of a male patient in the 90th percentile per the current NIHS / CCHS data. The minimum requirement may vary, depending on the specific cot (Ferno or Stryker) and cot hardware. Results for both brands must be provided.

• AMD 006: Sound Level Test

Above and beyond the requirement of 80 decibels or less as tested in the patient compartment, the bidding manufacturer must also perform a sound level test in the front cab, with windows opened 6 inches and reach a requirement of 89 decibels or less. Another sound level test in the front cab must be done with windows closed while reaching a minimum of 84 decibels or less.

• AMD 008: Patient compartment Grab Rail Test

Above and beyond the minimum requirement of a 300 lbs pull test on the overhead ceiling grab rail, the bidding manufacturer must perform pull tests on each grab handle inside the patient compartment. All grab handles and overhead grab rails will be pull tested to 500 lbs., however it is important to mention that deformation may occur at 500 lbs.

AMD 012: Interior Climate Control Test

Heating

Minimum Requirement: From 32°F to 68°F in 30 minutes or less

Above and beyond the minimum requirement, the bidding manufacturer must show that the test began at 1°F and reach 68°F in 30 minutes or less.

Air Conditioning

Minimum Requirement: From 95°F to 78°F in 30 minutes or less

Above and beyond the minimum requirement, the bidding manufacturer must perform the exact same test and reach 78°F in 20 minutes or less.

AMD 013: Weight Distribution

Above and beyond the minimum requirement of having 20% or more GVWR on the front axle, the bidding manufacturer will need to meet or exceed a minimum of 30% GVWR on the front axle. This added front axle weight distribution is a critical safety aspect in terms of added traction, braking capacity and increased handling capabilities. 2.03.2 Additional Testing Requirements

• Safety Net and Safety Net Anchor Points Pull Tests

The bidding manufacturer will need to meet or exceed a pull test on the safety net of 3000 lbs. The bidding manufacturer will also need to meet or exceed a pull test of the safety net anchor points of 6000 lbs., with each anchor point being subject to an equal amount of force.

v v 1 3 T	
Vendor Name:	

Test Scope - Anchor Points

Attach a force application device to each fastener and applied the required load in a plane parallel to the fastener. Repeat the test procedure while applying the load perpendicular to the initial plane. Examine and record the results.

Test Scope - Safety Net

Apply a force in a forward direction at the center of the net using a suitable solid block to distribute the load. Examine and record the results.

Street side Cabinetry Pull Test

The bidding manufacturer will need to meet or exceed a pull test on the street side medical cabinetry equivalent to 25 times the weight of the cabinet and action wall assembly or, in the case the cabinets are individual components of the wall assembly, the sum of every individual cabinet plus the cabinet shelves and action wall, in both lateral and longitudinal axis', with the force equally dispersed on the surface of the cabinet. The pull test shall be conducted on a final assembled cabinet installed in a similar module.

Test Scope - Street Side Cabinetry Pull Test

Apply the required force to the component using a force application device such that the force is spread equally over the fasteners. Apply the force in a lateral direction. Observe and record the results. Repeat the test procedure by applying the force in a longitudinal direction. Observe and record the results.

Equipment Restraint Devices Pull Tests

Contractor and address 5. Date product tested

Vendor Name: __

The bidding manufacturer will need to meet or exceed a pull test on any and all equipment restraining device, such as fasteners, O2 brackets or belts. The pull test will be a minimum of 10 times the weight of the restraint device and the restrained equipment.

Test Scope - Equipment Restraint Devices

Document and calculate the weight of the equipment and the equipment restraint to be pull tested. Apply the calculated force on each different installation in a parallel and perpendicular plane to the initial plane of the fasteners.

Doe	s your bid comply with the specification as written?	Υ	_ N
Doe	s your proposal include an exception to this requirement?	Y	_ N
cert	Certi ification letters submitted for the ambulance model, components, a lifted shall contain the following information on contractor's letter tronic format (pdf files):	fication Deand equipment of the state of the	nent being
1.	To whom certifying		
	Date		
3.	Units or items		

- 6. Model number and specification data
- 7. Applicable specification references and test requirement
- 8. Summary of the test report
- 9. A certifying statement with official signature by a recognized and certified engineer

The testing documentation for each certification shall include the following supportive verification data and information on letterhead stationery in electronic format (pdf files):

- 1. For whom tested
- 2. Report date
- 3. Name of sample product or device
- 4. Contractor's address
- 5. Serial and model number(s)
- 6. Specification referral and amendment number(s), and test requirement(s)
- 7. Test facilities used and location
- 8. Test equipment used
- 9. Test procedure
- 10. Test results
- 11. Verifying test data
- 12. Photographs
- 13. Test conclusion(s)
- 14. Witness(es)
- 15. Authorized signature

Certification documentation shall be delivered with the ambulance, including results of the certification tests. Each model the manufacturer offers shall be tested and certified. The County will not accept testing certification on the largest model size as a "blanket certification" for all models without detailed justification and/or calculation. A testing equivalency can only be used if a signed & approved letter is provided, explaining the build philosophy and testing requirements proving the test equivalency.

	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
3.	Chassis		
3.01	Model Ford E350 Gas		
3.02	Wheelbase 158"		
3.03	GVWR 12,500 lbs		
3.04	Cab to Axle		
3.05	Paint OEM Oxford White		
	Man Jan Norge		

3.06 Interior Color

Medium Flint

3.07 Seating

Dual cloth captain's chairs

3.08 Equipment package

Ambulance prep package Interior upgrade package Exterior upgrade package

3.09 Mirrors

Velvac electric with heat

3.10 Radio

OEM AM/FM/CD/Audio jack with clock and 2 speakers

3.11 Engine

7.3L V8 Premium engine with TorqShift®

3.12 Transmission

Six speed automatic TorqShift® transmission with overdrive

3.13 Alternator

Single 225 amp alternator

3.14 Battery

Two (2) 12V 750CCA/78 Amp- Hr

3.15 Tires

LT225/75R16E BSW all season Full size spare tire/wheel Jack

3.16 Wheels

16" Steel wheels

3.17 Brakes

Four-wheel disc with anti-lock

3.18 **GAWR**

Front: 5,000 lbs Rear: 8,500 lbs

3.19 Stabilizer Bars

Front and rear standard

3.20 Carpet

OEM installed vinyl floor covering

3.21 Block Heater

Vendor Name:		

0.22	50 state emissions certified		
3.23	Fuel Tank 55 Gallon		
3.24	Additional Options/Features Remote keyless Daytime running lights Bright chrome grille & front bumper Cruise control		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N

OEM Engine block heater

4.	VEHICLE FEATURES		
4.01	Anti-Theft System There shall be a fully integrated anti-theft system installed in the ambu activated via the front console, allows the user to remove the keys from t allows the unit to stay running while reducing the risk of theft. While the if the brake pedal is depressed, the system will automatically shut the un the unit from being driven	system is	engaged,
	Does your bid comply with the specification as written?	Y	_ N
	No exception will be allowed.		
4.02	Running Boards Full length exterior running boards shall be installed on the chassis. They of a sure grip material no less than 7" wide with machine punched hole and debris runoff. Aluminum mud flaps shall be added to reinforce the prevent road debris intrusion. The rear section shall be bolted through the module.	running bo	oards and
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
4.03	Front Bumper The chassis manufacturers OEM front bumper shall be furnished at the	front of the	e chassis.
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
4.04	Rear Step Bumper A full width rear step bumper with integrated flip up rear stepping surfar on the rear of the vehicle. It shall be constructed of a sure grip material with machine punched holes to facilitate water and debris runoff. Consuminum diamond plate. A 3" rubber bumper is bolted on each consumper. The structure is to be bolted to the chassis for easy replacement.	orners are orner to p	made of rotect the
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
4.05	Fenderettes Formed fiberglass fenderettes shall be installed on the module body to pon the modular body. The bottom inside lip shall be screwed into L brashall be fixed with dual face tape and/or clips. The fenderettes are installation. This method allows for universal replacement and ease of high impact area.	ackets white to be se	aled after
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
	Vendor Name:		— ₹

4.06	Front and Rear Corner Guards Front and rear corner guards constructed of smooth stainless steel shall be corner extrusions and shall extend 30" from the bottom of the module. The shall serve as additional protection against stones and small debris.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	_ N
4.07	Rear Kick Panel A full length rear aluminum diamond plate kick panel shall be installed belo and above the rear bumper. The kick panel shall serve as additional protect wear area of the vehicle. It shall be replaceable thus, not part of the module.	tion in	
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
4.08 Cab Seal The chassis and the module shall be bolted together through reinforcement neoprene insertion will prevent cracking noise. The joint shall be sealed with ble to prevent any water and air penetration.			
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
4.09	Ambulance Exterior DOT Lighting Sixteen (16) ICC LED lights shall be installed on the ambulance.		
	Five (5) amber ICC lights shall be installed on the front plane of the module center and two (2) in the corners. Two (2) amber ICC lights shall be installed on the front plane of the ambulance, one (1) on each side towards the front.		
	Five (5) red ICC lights shall be installed on the rear plane of the module, center and two (2) in the corners. Two (2) red ICC light shall be installed or of the ambulance, one (1) on each side towards the rear. Two (2) red ICC be installed on the side planes, on the corner extrusion, just above the corner guards.	the sid lights s	le planes hall also
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
4.10	Stop, Tail, Turn and Reverse Lights The stop, tail, turn and reverse lights are to be at mid-height and shall be WI LED with chrome bezel. Two (2) shall be amber arrows, two (2) shall be shall be clear, horizontal.		
	Does your bid comply with the specification as written?	Y	N
	Vendor Name:		

	Does your proposal include an exception to this requirement?	Y	_ N
4.11	Side Direction Lights Two (2) Whelen 700 series amber lights with chrome bezel shall be installed well fenderettes, one (1) on each side. These lights shall flash in conjunct signals.	l above ion with	the wheel
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
4.12	License plate holder The license plate shall be mounted in a chrome bezel on the rear plane of the be lit by two (2) LED lights.	e modu	le. It shall
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
4.13	Aluminum rub rails The ambulance shall have anodized extruded aluminum rub rails. Rubl spacers shall be used to protect the module and allow for easy replacement plate will not be tolerated as it doesn't offer as much protection on impact	t. Folde	caps and ed checker
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?		
5.	DRIVERS' COMPARTMENT		
	Reading Lamp Two (2) red/clear LED reading lamp shall be installed above the front seat time vision. These lights shall be installed in the cab headliner and shall the light head.	s to ass be swit	ist in night ched from
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y_	N
5.02	Back-up camera The ambulance shall have a back-up camera with a minimum 5" disple compartment. It shall have a night vision mode to allow for clear viewing automatically switch the display when the vehicle is put in reverse.	ay in tl g at nig	he driver's ght. It shall
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y_	N
5.03	Hand spotlight The ambulance shall have a 400,000 CP hand spotlight in the front cabin. to the floor or wall with a thermoformed bracket.	It shall	be secured
	Vendor Name:		_

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	_ N
6.	MODULE		
6.01	Body Dimensions The overall dimensions of the completed ambulance module shall be 164" The interior headroom shall be 72" from the floor to the ceiling.	long by 9	95" wide.
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
6.02	Overall Construction The entire modular body shall be engineered to provide the highest p integrity while maintaining the lowest possible overall weight. This meth construction shall provide an efficient ambulance design with greater improved ride characteristics and greater maintenance intervals on brake components.	od of ei usable	ngineered payload,
	The completed ambulance shall have no water leakage into the cab, compartment, or through any door seal, light seal, or pass through seal.	partment	s, patient
	All welding performed on the fabricated ambulance shall be completed by in their particular welding discipline. Manufacturers providing only department supervisors or final inspectors shall not be acceptable and serjection. Certified welders are desired by the County as this proves the warequirements to perform the task at a high level of quality and consistency, shall provide proof of the welder's certification upon the County's request.	discipline. Manufacturers providing only certification of nal inspectors shall not be acceptable and shall be cause for are desired by the County as this proves the welder has met the ask at a high level of quality and consistency. The manufacturer	
	Holes and cut outs for lights and other components attached to the side shall be CNC and punched at the time of the module fabrication. Pre-cut shall be painted to allow for complete coverage. When installation hardware metals, an anti-corrosive electrolysis inhibitor spray in addition to a plas shall be installed to ensure no contact is made between the module be fastener.	noles and tre is of the trick well	d cut outs dissimilar nut insert
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
6.03	Roof Construction The ambulance roof shall be of aluminum construction utilizing a custom extrusion, a roof structure and a single piece roof. The roof extrusion shall integrate and accept the side wall tubes, side wall skin, roof skin and the drip rail shall also be integrated into this extrusion.	be cons	structed to
	The roof tube structure shall be 1.5 " x 2", variable thickness tubes aluminum. The extruded tube structure shall incorporate a .125 thickness consider and a .070 thickness on the lateral side with four (4) $1/4$ " radius	on the lo	ngitudinal
	Vendor Name:		=-

welding. 5052-H32 1/8" formed C-channel shall be welded to the roof structure in each area where additional equipment will be installed. The safety net reinforcement structure utilize the c-channel and an additional 1/4" 6061 T6 mounting plate welded inside the C-channel to provide the necessary strength to withstand the forces needed to keep the safety net secured.

The single sheet .090 5052-H32 roof shall be installed on the lip of the roof extrusion to allow the roof sheet to sit flush with the roof extrusion. The roof skin shall be attached to the roof structure using a chemical bonding agent. The roof skin and tubing surfaces shall be properly prepped and cleaned to accept this adhesive. The edges of the roof skin shall be fully welded and grinded to the roof extrusion to provide a single smooth paintable surface.

The module corner extrusions and the roof extrusions shall be constructed in a manner to properly fit without needing corner cans. Unwelded corner pieces allow for more torsion in

6.04

the modular body and could compromise the structural integrity of the construction.			
The County will not accept an untested prototypical build for the sole intenthis requirement of the specification.	t to con	nply with	
Does your bid comply with the specification as written?	Y	_ N	
Does your proposal include an exception to this requirement?	Y	_ N	
Side Body Construction The side of the ambulance body structure shall be constructed of 1.5" x 2", variable thickness tubes made of 6061-T6 aluminum. The extruded tube structure shall incorporate a .125 thickness on the longitudinal side and a .070 thickness on the lateral side with four (4) 1/4' radiuses to allow better welding. Side tubes shall be placed at a minimum of 16" on center Corner extrusions are welded to the side structure.			
A one (1) piece CNC machined cut side wall made of .090" 5052-H32 all chemically bonded to the side structure. The side wall and tubing surfaces a prepped and cleaned to accept this adhesive. This attachment method is prefer a side wall surface with no warpage as no heat transfer takes place as it wou wall is welded. The side wall shall be inserted into the roof extrusion lip an extrusion on the back side.	shall be erred as ıld whei	properly it creates n the side	
In areas where seating is going to be installed, the side wall shall have mounting plate rail installed. It shall serve as a proper seat belt mounting postaditional reinforcement in the event of a side impact.			
Alternative side wall construction methods not complying with the specifications can be presented and shall be detailed in the exceptions see proposal. Photographs and a detailed documentation of the process shall be bid specification. The County will not accept prototype built models or untest methods used only to satisfy the detailed description of this specification.	ction of e includ	f this bid led in the	
Does your bid comply with the specification as written?	Y	_ N	
Does your proposal include an exception to this requirement?	Y	_ N	

6.05 Floor Construction

The floor structure shall be constructed of 2" x 2" tubes made of 6061-T6 aluminum. Different thicknesses, .125" and .250", shall be used to maximize strength/weight ratio to ensure maximum payload capacity while passing all required load testing. A thicker floor structure shall not be tolerated as an exception because it increases the loading height.

In areas where seating or cot anchoring is going to be installed, the floor structure shall have 1/2" 6061-T6 mounting plates installed.

A one (1) piece CNC machined cut skin made of .063" 5052-H32 aluminum shall be chemically bonded to the floor structure. The skin and tubing surfaces shall be properly prepped and cleaned to accept this adhesive.

A minimum .063 heat shield shall be installed under the floor and body structure to serve as additional protection against external heat generated by the exhaust system.

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
6.06	Wheel Wells An aluminum wheel well shall be incorporated into the under body struct well shall be sealed to prevent water or debris from entering the module. The wheel well shall be insulated with foam to prevent noise caused from vibrational noise.	ne interi	or of the
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N

6.07 Compartment Construction

The sides of the storage compartment shall be constructed of a minimum .063 machine formed aluminum diamond plate. The sides, top and bottom of interior compartment shall be formed and welded to ensure a secure, square fit. All outside edges of the compartment shall be sealed with weather proof sealer/inhibitor. The compartments shall be properly anchored and reinforced to the door jamb extrusions and the floor structure. The bottom of each compartment shall be constructed of smooth 6061 T6 .090" aluminum and shall have a punched drain hole to facilitate water drainage.

Ventilation shall be provided in the side and/or ceiling of the compartments to allow for adequate air movement when the door is closed. The upper portion of the compartment shall be machine louvered to ensure an even distribution of air escaping the compartment. This even distribution of air movement shall allow the door to close with minimal external force and shall allow it to seal properly against the door jamb extrusion. Air shall flow into the interior of the module via the space between the side wall and the cabinetry.

Exact exterior compartment sizes and dimensions shall conform to the drawings provided with this bid proposal and shall conform to the layout detailed at the beginning of this section.

The County will not accept prototype built models or untested construction methods used only to satisfy the detailed description of this specification. Alternative construction methods

Vendor Name:	
vendor rame.	

shall be detailed in the exceptions section of this bid proposal. Photographs of this construction method shall be provided to allow for adequate comparison.

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	_ N
6.08	All exterior storage compartments shall be constructed of an extruded door frame structure and shall align flush with the side wall tubes and welded to the back of the door structure. The front of the extruded door shall not have any signs of welding as this causes distortion to the door and requires the use of bondo or body filler to create the illusion of a smooth surface. Holes for the door hinges shall be CNC machined into the jamb for exact fit when the door is installed. Extruded door jambs shall be sealed against the side wall skin. The extrusion shall be treated and adhered to the side skin to ensure debris and weather does not penetrate the extrusion area. This method is preferred as the extrusion attachments allow for an amount of necessary flex and torsion when the ambulance is in motion. This CNC machined method allows for the easy ordering and replacement of the door should it become damaged during the life of the ambulance.		distortion a smooth fit when does not allow for his CNC
6.09	Door Construction		
	6.09.1 General Construction Each door shall be constructed from an extrusion that mates to the door jam outs for the latches and hinges shall be machine cut and not manually hand to ensure a consistent fit. The door extrusions shall be welded securely at the and each corner shall have a reinforcement welded. The extrusion shall be deethe weather seal is placed ahead of the door latch to assist in keeping debris for the latch. When closed, the door shall form a complete weather tight seal. A rubber weather seal shall be installed on the door frame ensuring a durable each compartment.	eut or de miter signed from ge	rilled out red edges such that tting into d formed
	Adequate reinforcement shall be installed to ensure door rigidity and prolocations for assist handles and/or other equipment.	ovide 1	nounting
	The exterior door panel skin shall be constructed of one (1) piece .090 for The aluminum shall be engineered to wrap around the form door extrust complete aesthetically pleasing appearance without exposed seams. Externall be adhered to the extruded door structure with a chemical bonding completed exterior door shall be engineered to fit properly and square intextrusion.	sion to rior doo g adhes	create a or panels sive. The
	Doors hinges shall be screwed through the pre-tapped door and door jamb eshall be rust resistant piano hinges. Each door shall be equipped with an appropriate gas strut hold open to ensure a solid closure. Spring type hold opens due to their tendency to wear and break over time.	copriate	e variable
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N

6.09.2 Compartment door panels

Exterior compartment interior door panels shall be constructed of .090" powder coated aluminum. Holes for the door panel mounting shall be CNC cut to ensure a proper fit. The interior door panel shall reside in a small recess in the formed exterior door extrusion to give the door panel a flush fit. Access points shall be included on the door panel to allow for easy maintenance of the latching or door opening mechanisms. A low density open cell foam tape shall be installed on the door structure as a dampening insulator from any vibration that may occur.

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
	6.09.3 Access door panels Access door interior panels shall be divided in three (3) sections, top, middle top section shall me made of fiberglass. The recessed window section shall this trim. The lower section shall be made of stainless steel. The center section powder coated aluminum. It shall cover the top and lower section joints center sections must be removable for door handle maintenance without the any other components such as assist handles.	ll be cov on shall l via swa	ered by be made ags. The
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
6.10	Emergency Release Latch The side and rear access doors shall incorporate an emergency release late the bottom of the doors. This emergency device shall directly trigger the open position in the event the paddle handle becomes inoperative.	h at the door late	top and ch to an
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
6.11	Street Side Configuration		
	S1 Compartment This compartment shall be located on the driver's side front of the module the cab. This compartment shall be used for the storage of the oxygen cylin to be provided by a Whelen 4" LED light.	directly ider. Lig	behind ghting is
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
6.12	Street Side Configuration		
	S2 Compartment This compartment shall be divided into two (2) sections. The upper compartment shall be closed and ventilated by a diamond plate protective contain all electrical components, including Electronic Controller Units for system. The lower portion of this compartment shall be used for general storage.	e panel. or the m	It shall ultiplex
	Vendor Name:		

	be one (1) shelf inside this lower portion of the compartment. Lighting in the lower section is to be provided by an LED light and the floor protected by a dry carpet mounted flush to the door jamb		
	Does your bid comply with the specification as written?	Y	N
6.13	Street Side Configuration		
	S3 Compartment This compartment shall be located at the rear of the driver side behind the ful house a door mounted stair chair and two (2) half depth shelves for general st is to be provided by an LED light and the floor protected by a dry carpet m the door jamb.	nounted	flush to
	Does your bid comply with the specification as written?	Y	N
6.14	Curb Side Configuration		
	C1 Compartment access to interior ALS cabinet A side access door shall be located at curbside forward. This door shall allow to the ALS cabinet. A heavy duty slide-out drawer for conversion batteries sthrough this door as well	v exterio hall be a	or access accessed
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
	C2 Access Door A side access door shall be located at curbside. This full height door shall all and exiting the module patient compartment. This door shall have a fixed a window as specified in the window section of this specification.	low for automot	entering ive style
	C3 Compartment with deluxe shelf divider This compartment shall be located at the rear curbside of the vehicle. It sh (3) sliding dividers with straps for backboard or spine board storage. L provided by an LED light and the floor protected by a dry carpet mounted jamb.	agnting	15 to be
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
6.15	Rear configuration		
	A1 and A2 Access Doors This is the rear access doors for patient loading. Each door shall have fixed tinted window as specified in the windows section.	automo	tive style
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
	Vendor Name:		en en

6.16	Automotive Style Access Door Windows Automotive style tinted windows shall be installed in the access doors. It exposed extruded trim rings on the outside or the inside. The window shall be to the door and held in place with automotive adhesive in its recessed with Window designs with an extruded or exposed trim ring are not desired due to sealing. The window glass shall be tempered automotive quality with a dark	e install indow the inc	lled flush housing.		
	Does your bid comply with the specification as written?	Y	_ N		
	Does your proposal include an exception to this requirement?	Y	_ N		
6.17	Body Mounting The module body shall be installed using the OEM rubber puck mounts secuthe bottom to allow for ease of removal should the vehicle be remounted. The shall be mounted in 10 locations, five (5) on each side of the chassis from supplied automotive style rubber puck mounts shall be bolted through ½" 60% structure plates to serve as reinforcement points of the bottom of the mount provide a solid single surface piece to absorb the natural torsion as the vehicle when the control of the mounts of the provide a solid single surface piece to absorb the natural torsion as the vehicle because of the provide as the vehicle because of the vehicle because of the provide as the vehicle because of the vehicle because of the vehicle because of the	the mod ame rai 61 T6 a odule as	lule body ils. OEM lluminum s well as		
	A frame extension shall be added and serve as a mounting point for the rear	· bumpe	er.		
	The body shall be mounted in such a manner as to allow the lowest possible load height.				
	Does your bid comply with the specification as written?	Y	_ N		
	Does your proposal include an exception to this requirement?	Y	_ N		
6.18	Insulation The module shall be insulated with a vermin and mildew proof reflective with a hard compressed fiberglass back. This insulation shall be used in module including the sidewalls, doors and roof. Reflective faced comprinsulation is recommended due to its nature not to settle over time and the outside noise. Other insulating methods may be documented and submitted to the KKK-A-1822F Federal Ambulance Specifications and the forthco NFPA 1917 Standard for Automotive Ambulance requirements, all insulation settling type, vermin-proof, mildew-proof, fire retardant, non-toxic, and not	all are ressed for ability d. In acoming e	eas of the fiberglass to block ecordance edition of ll be non-		
	Does your bid comply with the specification as written?	Y	_ N		
	Does your proposal include an exception to this requirement?	Υ	_ N		
7.	PATIENT COMPARTMENT				
7.01	Construction General Guidelines The interior of the ambulance shall be constructed in such a way that is free All interior surfaces shall be easy to clean, impervious to soap, water disinfectants and shall be mildew resistant Wall surfaces shall be a CNC fiberglass or aluminum matching the interior color of the module.	er, bod C cut no	ly fluids, on-wood,		
	Trim pieces adjoining multiple wall surfaces are not preferred by the Cou another crevice to keep clean and could become an unnecessary source of	f penet	ration for		
	Vendor Name:		=0:		

debris or liquids to enter. Trim molding can also contain sharp edges on the corners and could be a potential hazard.

All components installed in the ceiling shall be mounted as flush as possible and shall not protrude any further than ½" from the ceiling, except for the grab rails. Surface mounted components on the wall shall comply with head protection requirements and shall incorporate a protective shield or covering.

All upholstered seating surfaces shall be thermoformed and shall have no exposed stitching. Head pads and vinyl trim areas which are not seating areas shall be customized with vinyl wrapped polyurethane foam with a hard surface backing material.

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
7.02	Floor The floor shall be constructed of ¾" marine grade 7-ply plywood and shall example and width of the patient compartment. Where additional sections of plywood sections shall utilize lap joint construction to maintain a continuous lay of eliminate the possibility of gaps or cracking. It shall be bonded to the alumn screwed only where there are beams or plates. Screws only through the alumn to be tolerated as this presents a potential injury risk and add close to no varintegrity. Holes in the floor for patient handling options shall be CNC premaximum precision.	are need of the floor inum partition in a second se	eded, the loor and anel and skin will the floor
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	_ N
7.03	Floor Covering Lonseal Lonplate II Gunmetal flooring shall be installed in the completed a non-slip floor covering shall be rolled at least 3" up both sides of the patien. This floor shall be rolled on the covered floor extrusion and shall be adhere of the floor cover giving a tight secure fit that will not bubble or prematurely shall be a one (1) seamless piece and shall be able to be cleaned without has special or potentially harmful cleaning agents. This roll up floor shall cover and width of the compartment's working area. Areas in the floor where the floor meet shall be sealed to prevent any blood borne pathogens from entering	nt comp d at eve y tear. T ving to p the entire sidew	eartment. Ery point The floor purchase re length
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
7.04	Cabinets All cabinet structure, cabinet doors, shelves and openings described manufactured in fiberglass and/or aluminum. Over time, wood products tend and shrink creating potential for premature structural wear. The County preconstruction for its resiliency to harsh environments and cleaners as well a	l to war _l efers al	p, distort luminum

Vendor Name:

size and overall strength.

The overall cabinet structure shall consist of interlocking extrusions. Extruded frame work shall provide the structural integrity of the cabinets as well as creating the individual cabinet sections. These extrusions shall be custom fit and CNC cut to form the particular cabinet configuration. All cabinet extrusions shall incorporate a rounded edge to give an aesthetically pleasing appearance as well as providing a smooth, safe surface for the crew member. Mitered box framed cabinetry will not be accepted as a mitered corner produces sharp edges and potential gaps. Each interlocking extrusion joint shall be attached by two (2) hex machine bolt into the extrusion via a tap and die holes. These fasteners shall lock the cabinet frame structure into place and shall prevent the cabinet sections from twisting. Cabinet inserts shall be placed on the lip of the extrusion and shall be fixed with an adhesive as well as mechanically fastened into position. This structure alone shall resist to the pull test, the structural integrity of the cabinetry is not reliant on the interior storage cavity.

Unless specified for a particular purpose, all interior cabinets shall be constructed of preformed fiberglass inserts. Cabinets designed for a particular purpose may be constructed of formed aluminum depending on the application. All cabinets shall be equipped to accept removable adjustable shelves.

All cabinets shall be easy to clean, impervious to soap, water, body fluids, and disinfectants and shall be mildew resistant.

Cabinets with sliding windows shall have a transparent window and window track felt installed in the dedicated channels of the cabinet extrusion. The cabinet windows shall be made of 3/16" Lexan and shall incorporate a full length plastic handle.

Drawers shall be constructed of formed smooth powder coated .063" aluminum. These drawers shall be uniform in size for ease of replacement should the need arise. The drawer should be track mounted and have a self-locking stop to prevent opening past a safe designated point. All drawer faces shall be constructed in an overlapping style to ensure a consistent tight fit over the drawer opening. Handles for the drawer shall be positive catch stainless steel pull latch.

The County will not accept prototype built models or untested construction methods used only to satisfy the detailed description of this specification. Alternative construction methods shall be detailed in the exceptions section of this bid proposal. Photographs of this construction method shall be provided to allow for adequate comparison. Testing documents of the exact layout shall be provided.

Does your bid comply with the specification as written?	YN
Does your proposal include an exception to this requirement?	Y N
Street side CDD coat and Cohinetry	

7.05 Street side CPR seat and Cabinetry

The street side cabinetry layout shall consist of the following cabinetry:

An EVS thermoformed seat with 3 pts safety belt shall be installed on the street side wall. This CPR seat shall be positioned at the patient's torso position. It shall pivot to face forward, and to face perpendicular to the patient.

A large storage cabinet shall be located above the action area and shall continue from the bulkhead cabinetry to the CPR seat. This cabinetry shall be accessible via sliding windows.

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A glove box with five (5) compartments shall be above the CPR seat, recessed into the protective pad.

A large storage cabinet shall be in the upper section towards the rear. This cabinet shall extend from the CPR seat to rear door area. It shall be accessible via sliding windows.

A large storage cabinet shall be in the lower section towards the rear. This cabinet shall extend from the CPR seat to rear door area. It shall be accessible via sliding windows from the G4 exterior compartment and the patient compartment.

There shall be two (2) pull out drawer on front side of the CPR seating area. These drawers shall pull out toward the isle way.

The exact cabinetry layout shall match the drawings specified in this bid proposal.

Y ___ N____ Does your bid comply with the specification as written? Y ___ N___ Does your proposal include an exception to this requirement?

7.06 ALS Cabinet

The ALS cabinet shall be made of an aluminum structure with smooth powder coated aluminum cavities and shelves.

The top compartment shall be accessed by one (1) extruded aluminum door with lexan insert. The door shall be operated by positive catch stainless steel pull latch.

26.00" X 8.00" X 13.75"

The upper section shall be accessed via two (2) extruded aluminum door with Lexan inserts. The doors shall be operated by positive catch stainless steel pull latches. This section of the ALS cabinet shall have one (1) fixed shelf. This cabinet shall have one (1) 120 V A/C outlet.

32.00" X 27.25" X 17.00"

The lower section shall be accessed via two (2) extruded aluminum doors with Lexan inserts. The doors shall be operated by positive catch stainless steel pull latches. This section of the ALS cabinet shall have one (1) fixed shelf. This cabinet shall have one (1) 120 V A/C outlet.

32.00" X 28.75" X 22.75"

The County will not accept prototype built models or untested construction methods used only to satisfy the detailed description of this specification. Alternative construction methods shall be detailed in the exceptions section of this bid proposal. Photographs of this construction method shall be provided to allow for adequate comparison.

ALS cabinet layout shall match the drawings included in this bid proposal.

Does your bid comply with the specification as written?	Y	N
Does your proposal include an exception to this requirement?		N
Vendor Name:		

7.07 Bulkhead with Pivoting Door

The ambulance shall be equipped with an aluminium bulkhead wall partition. It shall be positioned between the driver and the patient's compartment, towards the front, allowing enough space to recline the front seats. A crawl through pivoting door shall be installed between the ALS compartment and the medical cabinet.

Does your bid comply with the specification as written?	Y	N
Does your proposal include an exception to this requirement?	Y	N

7.08 Curbside Captain Seat

In lieu of a squad bench, an EVS thermoformed sliding with 3 pts safety belt seat shall be installed. The seat shall be able to be slid towards the patient as well as from the knees towards the head. It shall also rotate. The backrest shall fold down for the possibility to add a backboard for second patient transport.

The main sliding mechanism shall be made of stainless steel. The rails shall be of "L" or "Z" type to allow for easy cleaning. The center locking plate shall be removable again to allow for cleaning. "C" type rail and blind holes will not be accepted because it would be impossible to do adequate cleaning of liquids.

A cabinet will be installed towards the front of the squad bench area. It shall include three (3) drawers and one (1) pull out metal countertop with lip around the edges. The top of that cabinet will be the location to mount the patient cardiac monitor.

An auxiliary control console will be installed above the cabinet with the necessary controls for all patient compartment equipment, to include:

- 1. Rear heat and AC controls with digital interior temperature display
- 2. Patient compartment lights, bank 1
- 3. Patient compartment lights, bank 2
- 4. Cabinet lights
- 5. Suction pump

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- 6. Patient compartment exhaust
- 7. Patient status indicator (intercodes, red, yellow, green)

Stainless steel wall protectors are to be installed to cover both the lower and upper sections to the sliding seat.

The County will not accept prototype built models or untested construction methods used only to satisfy the detailed description of this specification. Alternative construction methods shall be detailed in the exceptions section of this bid proposal. Photographs of this construction method shall be provided to allow for adequate comparison. Testing documents of the exact sliding seat configuration, installed in the same module, shall be provided.

Does your bid comply with the specification as written?	Y	N
Does your proposal include an exception to this requirement?	Y	N

	Attendant's Seat with Child Safety Device An automotive style thermoformed seamless attendant's seat shall be installe the cot. The attendant's seat shall have a three-point seatbelt. The attendant is to back travel feature with incrementally locking stages. An integrated fold child safety seat shall be incorporated into this seat. The child seat shall meet testing requirements. This seat shall only have the ability to swivel 180 deg child restraint device.	snan nav d down t and ex	5-point ceed all
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
7.10	Safety Yellow Overhead Grab Rail Two (2) 90" overhead safety yellow powder coated steel grab rails shall be patient compartment ceiling. The grab rails shall be securely fastened to the r the patient compartment ceiling at each mounting location. The grab rails sha in diameter.	OOI SIIL	icture in
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
7.11	Three safety yellow powder coated steel handrails shall be installed at the side and rear accedors to allow ease of entry into the patient compartment. The hand rails shall be 90 degree "L" shaped 16" x 16". These handles shall be designed to give the person(s) exiting are entering the patient compartment multiple points of contact to maintain safe entry and exof the vehicle. The access handrails shall be installed on the top and lower interior does panels through mounting plates in the door extrusions. Hand rails attached through the dopanel only are not accepted as they have a tendency to pull loose after an extended period time. They should not need to be removed for handle and locking mechanism lubrication.		
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
7.12	Additional Handrails Two additional 12" safety yellow powder coated steel handrails shall be patient compartment, one (1) right of rear access door and one (1) right of these additional grab handles shall be positioned in a location that is easy to grip when entering the vehicle.	side acc	C22 0001.
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
7.13	IV Holder Four (4) recessed mounted IV hangers specifically designed for holding IV be installed, including hook and loop straps to adequately secure an IV be holder shall recess into the ceiling creating minimal protrusion into the pati when not in use.	ag/botti	S. THE IV
	Vendor Name:		_ ,

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
7.14	Digital Clock A digital clock shall be installed in the patient compartment rear door header seconds and be flush mounted in the protector above the rear doors. The indicator for step and integrated driver intention lighting turn signals and programmed to engage with chassis turns.	ere shal	l be led
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
7.15	Patient Cot Retention The floor of the patient compartment shall be designed to equip with Stryk cot fastener shall be securely bolted through tapped ½" 6061-T6 aluminum plates. Backer plates that are not integral to the floor structure shall not be these may have a tendency to vibrate loose over time. A stretcher safety installed.	n reinfo permitt	rcement ed as of
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
7.16	Restocking Cabinets Flip up style restocking cabinets shall be installed on all of the street side cabinet Restocking cabinet shall be constructed of interlocking extrusions, smaller than cabin structure extrusion but of matching style, color and material. A piano style hinge shall be securely fastened to the top of the cabinet structure. Two (2) gas struts, one (1) on each sid shall be installed on the side of the cabinet to lift the cabinet's face when the latch is release. The bottom lip of the cavity shall be cover with a door stopper on which a neoprene strip applied to eliminate vibrations of the flip up.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
7.17	Cabinet Lighting Each interior cavity shall contain dual LED rope light located on each side not interfere with the overall use of the cabinet. The LED cabinet lights shall via a switch in the rear switch panel.	e, where	e it shall ctivated
	Does your bid comply with the specification as written?	Υ	N
	Does your proposal include an exception to this requirement?	Y	N
7.18	Fire Extinguisher The ambulance shall have two (2) five (5) lbs ABC fire extinguishers brackets. Exact location TBD.	with n	nounting
	Does your bid comply with the specification as written?	Y	N
	Vendor Name:		

	Does your proposal include an exception to this requirement?	Y	N
7.19	Cabinet over Curbside Captain Seat There shall be a cabinet over the squad bench. It shall be divided into two accessible via sliding polycarbonate windows. A vinyl pad shall wrap the protection.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
7.20	Oxygen Cylinder Storage There shall be storage for two (2) D cylinders with straps and protector patient compartment door.	on the c	urb side
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
8.	HVAC		
8.01	General The patient compartment HVAC system shall be controlled by the driver or the patie compartment attendant via the multiplex touch pad or touch screen located in the fro console or the rear switch panel.		
	The patient compartment temperature shall be monitored by a thermostat incorporated in the multiplexing electrical system. Additional to the three (3) preprogrammed speeds, an automatic mode shall be able to decide between heating, cooling and fan speed in function of the set temperature versus the patient compartment temperature.		
	In order to achieve maximum efficiency and optimization of this system, shall be optimized via Pulse Width Modulation (PWM) to allow the heat system to run at its most effective speed.		
	Adequate room for hose connections and hose lines shall be provided when it components. The hoses shall be protected and insulated to optimize plongevity. They shall also be clamped every 18" and routed without sharp be	erforma	nce and
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
8.02	Heating The heating unit shall be installed in the patient compartment in a location side cabinet. The heated air shall blow from below the side wall and just a floor in a cabinet full length vent. This ventilation system shall blow heat be immediately and circulate upward, also creating a radiator effect as the heat side wall. The interior ducting shall be designed such that debris or liquids contains the state of th	bove the elow the ed air wa	e roll up e patient arms the

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
8.03	Air Conditioning The air conditioning unit shall be installed in the patient compartment ab compartment. It shall be accessible by removing the partition ceiling protect		e oxygen
	Five (5) universally adjustable vents with manual closures shall be installed side cabinet in a padded diffuser and shall project at a downward angle to and crew. The air shall be divided through one single duct.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
8.04	Ventilation One (1) exhaust fan shall be installed. This fan shall allow adequate air exchand patient compartment while parked or in motion. The exhaust fan shall the multiplexing electrical system and shall operate on three (3) speeds (Lo High). The exhaust vent shall exit from the curb side of the vehicle.	oe conti	rolled by
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
9.	BATTERY SYSTEM MULTIPLEX AND WIRING		
9.01	Overview A 12VDC electrical system shall be added in junction with the OEM system. They sha ISOLATED from each other, yet they still exchange data. This is achieved by usi multiplex system in combination with a CAN BUS connectivity between the two (2) syst It reduces the number of wires in the harness, thus reduces the number of welds connections. Using programmable solid state devices allows for easy updating customizing of the vehicle without needing to add relays or modify the wiring system, at a later stage while the vehicle is in the field. Printed circuit board or, so called "hardwielectrical systems, shall not be acceptable. The ambulance manufacturer shall have significant experience in installing multiplex		
	electrical systems. The County is not interested in prototypical or logical suntested or unproven by the ambulance manufacturer. The multiplex system shall be fully developed, tested, in service for at least 10 years and shall be least 1000 units. Documentation of electrical systems installed and insprovided at the County's request.	systems n specia e instal	that are fied here led on at
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N

9.02 Electronic Controller Units (ECU)

Multiplexing electrical system shall consist of solid state electronic controller units mounted in the electrical control panel. Electronic controller units shall act as the central communications system for the entire electrical system. These electrical controller units shall command all electrical components installed by the ambulance manufacturer in the cab and in the patient compartment. Each electronic controller unit shall be self-diagnostic with easy-to-read LED. A CD of the programing and the electrical schematics as well as detailed printed schematics of all components and wiring shall be provided with the completed ambulance.

All Electronic controller units shall be sealed in a weatherproof exterior casing. The ECUs main control panel shall be coated in weather resistant from the factory. All electronic controller units shall be installed in electrical control panel compartment for centralized location.

	controller units shall be installed in electrical control panel compartment location.	for cen	tralized
	Electronic controller units shall be programmed using already establish communication language. Electronic controller units shall be programmed to and receive signals in the SAE J1939 protocol via the CAN BUS connected system is preferred to allow for future expansion and. No auxiliary printed circuit breakers or relays shall be needed in future expansion or to assist in the of standard electrical components.	on. This	type of boards,
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
9.03	Serviceability The ambulance multiplexing electrical system shall be designed to be serviced easily. In the unlikely event of an electrical problem, the ambulation system shall be able to be connected remotely to the Internet and shall be able or reprogrammed by a service technician at the ambulance manufacturer's multiplex electrical system shall be proven to be virtually maintenance (warranty) rate of less than 1% is required because this agency wishes ambulance with the utmost reliability in service. Documentation of warranty to the electrical system shall be provided to the County upon request.	to be di ain facil free. A to puro	agnosed ity. This failure chase an
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
9.04	Wiring All wiring for the electrical systems shall be stranded copper or copper alla a gauge rated to carry 125% of the maximum current for which the circ Voltage drops in all wiring from the power source to the component shall All circuits shall be wired in conformance with SAE J1292, Automobil Tractor, Trailer, and Motor Coach Wiring. None of the ambulances elect components shall terminate or originate in the oxygen storage compartment oxygen flow control solenoid, compartment light, and switch plunger or tri	not exce e, Truck trical wi int excep	eed 10%. k, <i>Truck</i> - iring and ot for the
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
	Vendor Name:		ŧ

9.05 Wiring Harness

Vendor Name:

The ambulance wiring harnesses shall be a continuous run to each electrical component. The ambulance wiring shall contain no splices in the main wiring harness. The terminals on connectors of each end shall be machine crimped. Hand crimped electrical connectors are not permitted by the County as they have been proven to be prone to premature failure and/or irregularities.

All ambulance wiring harnesses shall be enclosed in a plastic loom. This loom shall run from the electronic controller units to each specified electrical component. Instances where conduit must travel through a tube structure, a rubber grommet shall be placed in the hole to prevent premature wear of the plastic loom and/or wiring. All wiring harnesses shall be secured to the roof and walls tube structures with insulated clamping fasteners.

The overall covering of jacketed cables shall be moisture resistant and have a minimum continuous temperature rating of 194°F (90°C), except for cable installations where the wiring may be exposed to higher temperatures. All wiring connections and terminations shall use a method that provides a positive standard connection. Wiring connections and terminations shall be installed in accordance with the device manufacturer's instructions. Wire nut, insulation displacement, and insulation piercing connections shall not be used.

All connections to the electrical components shall include a minimum 6" service loop. All wiring connections shall utilize easy plug in style connectors.

	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	N
9.06	Wiring Identification All wiring shall be identified every 6" at a minimum. The wiring identification the position on the electronic controller unit for easy maintenance and disidentification shall be clearly visible and shall be printed on the insulated will be allowed.	agnosis	. Wiring
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	N
9.07	Circuit Protection Circuits shall be provided with properly rated low voltage overcurrent protective device Such devices shall be readily accessible and protected against heat in excess of overcurrent device's design range, mechanical damage, and water spray. Circuit protect shall be accomplished by utilizing fuses, circuit breakers, fusible links, or solid sequivalent devices.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
9.08	Wiring Schematics The complete set of wiring schematics shall clearly identify all wiring location component connection. A sample document shall be available to the Countexamine the quality of the electrical schematic. All instances of wiring not context the countexamine the quality of the electrical schematic.	ty on r	equest to

standards established in this document shall be documented at the time of the proposal. Failure to comply with this requirement shall be cause for rejection of the proposal. Y____ N____ Does your bid comply with the specification as written? Does your proposal include an exception to this requirement? Y___ N___ 9.09 Electric Panel The electrical panel shall be located underneath the front passenger seat. It shall include in addition to the ECUs all block fuses and other electronic devices. All components shall be centralized in that location for ease of maintenance and diagnosis. For future upgradability, one (1) extra 15 amp 12VDC circuit breaker shall be provided. It shall be wired and shall be ready for a future programmable function with the multiplexing electrical system. Y____ N____ Does your bid comply with the specification as written? Y____ N____ Does your proposal include an exception to this requirement? 9.10 Grounding Dedicated grounding locations for all appliances, circuits, etc. shall be supplied. Appliance mounting screws/hardware shall not be used for grounding purposes, nor shall the body of the ambulance be used as a ground location. Star washers or unapproved, untested grounding methods shall not be used. OEM grounds shall not be used as grounding location for the conversion circuits. Y___ N___ Does your bid comply with the specification as written? Does your proposal include an exception to this requirement? Y N___ 9.11 Switching Requirements Switches, relays, terminals, and connectors shall have a direct current (DC) rating of 125% of maximum current for which the circuit is protected. Y____ N____ Does your bid comply with the specification as written? Y____ N____ Does your proposal include an exception to this requirement? 9.12 Voltage Alarm The multiplex system shall incorporate an audible voltage warning should the system voltage at the battery or at the master load disconnect switch drops below 11.8VDC for a duration of 120 seconds for 12VDC nominal systems. Does your bid comply with the specification as written? Y____ N____ Does your proposal include an exception to this requirement? Y N___ 9.13 Load Management The multiplexing electrical system shall be programmed to automatically shed electrical load should the electrical output rating of the installed alternator drop below a programmed Vendor Name:

considered as the County requires this electrical system to be flexible and customizable. Y____ N____ Does your bid comply with the specification as written? Y____ N____ Does your proposal include an exception to this requirement? 9.14 Batteries There shall be two (2) OEM batteries. These batteries shall be linked together via an OEM controlled relay. Y____ N____ Does your bid comply with the specification as written? Y____ N____ Does your proposal include an exception to this requirement? 120 VAC & 12 VDC electrical system and inverter 10. 10.01 Overview The completed ambulance shall be equipped with two (2) forms of internal power sources: 120VAC & 12VDC. These internal power sources shall allow attendants in the ambulance to plug in additional accessories or to charge battery powered devices when needed. All wiring shall be rated to handle the load of the electrical component specified. The 120VAC and 12VDC wiring and associated equipment shall be tested by the ambulance manufacturer prior to delivery. The testing criteria shall include polarity and load demand of all receptacles to verify that all wiring connections have been properly made. Y____N___ Does your bid comply with the specification as written? Y____ N____ Does your proposal include an exception to this requirement? **10.02 12VDC Outlets** All 12VDC power point outlets specified here shall be properly tested and shall be protected with a Schottky-style diode to isolate the medical equipment batteries from other loads. The diode shall be located in the electrical panel and shall be wired to the conversion batteries. It shall be designed to handle voltage of at least 48VDC. All wiring to the 12VDC outlets shall be clearly labeled and shall be one (1) continuous run from the diode to the outlet. The ambulance shall be equipped with at least two (2) 12VDC "power point" style outlets. These outlets shall be breaker protected. They shall be energized when the module master switch is activated. One (1) shall be installed on the street side of the vehicle towards the patient's head. One (1) shall be installed on the street side of the vehicle in the cardiac monitor location. Y____N___ Does your bid comply with the specification as written? Y___ N___ Does your proposal include an exception to this requirement?

Vendor Name:

voltage level. Electrical components shall shed in order of priority. External load management systems or load management systems not programmable shall not be

10.03 120VAC Outlets

120VAC outlets shall be energized from the shoreline and/or from the inverter if equipped. All 120VAC outlets shall be UL certified, Nema 5-15, clearly identified on the unit, rated to 60Hz and have a pilot light when powered. A 120VAC GFCI shall be installed beyond the shoreline and shall disable all 120VAC outlets when tripped. The GFCI shall be located in the rear attendant console for ease of consulting and/or resetting if needed.

The ambulance shall be equipped with at least five (5) 120VAC 60Hz outlets. They shall be energized when the module master switch is activated or the shoreline plugged.

	energized when the module master switch is activated or the shoreline plug	gged.	
	One (1) shall be installed on the street side of the vehicle towards the patient One (1) shall be installed on the street side of the vehicle in the cardiac moder (1) shall be installed on the curb side of the vehicle in the rear kit tree. One (1) shall be installed on the curb side ALS upper cabinet. One (1) shall be installed on the curb side ALS lower cabinet.	nitor lo	
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
10.04	Super Auto-Eject 20 Amp Shoreline A 20 amp shoreline shall be installed on the driver's side of the vehicle. The be a Kussmaul Super Auto Eject with sealed casing. When the shoreline is exterior source, all 120VAC 60Hz outlets shall be energized. The shoreline into the module and shall include a weather proof low profile cover.	plugge	d into an
	Does your bid comply with the specification as written?	, Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
10.05	1000W Xantrex Inverter A Xantrex power inverter rated for 1000 watts shall be installed in the patie behind the street side cabinetry, in a ventilated storage area. The inverter svia a control panel in the rear attendant console. When this inverter is activa outlets shall be energized.	shall be	powered
	An inverter integrated battery charger shall be provided for maintaining, in the multiplex isolator and the shoreline, OEM and conversion batteries in condition when the shoreline is plugged.		
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	N
11.	CONSOLES		_
44.04			

11.01 General

Controls and switches that are expected to be operated by the belted attendant while the ambulance is in motion shall be visible and within reach. Switches shall be located in such a position that the driver does not have to unbuckle to activate or read the control switches while the ambulance is in motion.

Switches, indicators, and control devices shall be perceptively and permanently identified with universal automotive graphics or at least 12 point letters for the noun or function, and 8 point letters for the remainder of the legend.

For ease of identification, the controls and switches shall be contrasting colors etched or engraved in plastic or metal, or printed and laminated in see through plastic, and logically grouped according to function. The switches shall have a different feel from the OEM switches. All switches and controls detailed here shall be properly LED illuminated for night driving.

	Every switch shall incorporate a confirmation LED connected to the device activated. Confirmation lights wired directly to the switch shall not be tolera confirm that the output activated, only that the switch is activated.	or circuited as it	it that is doesn't
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
11.02	Front Console The completed ambulance shall have a front console. It shall include a switches to operate all necessary emergency or mission critical functions such	ıll conti ch as:	ols and
	 Master switch (lockable) Primary/Secondary emergency lighting Side scene and rear load lights Alarm cutoff for patient indicator and back up alarm Wig Wag headlights (where applicable) Optional lighting activation (lightbars, additional warning lights, etc.) Rear heat and AC controls with digital interior temperature display Patient compartment lighting Patient compartment exhaust Door open indicator Digital Ammeter/Volt Meter Display 		
	The detail above describes the minimum features the front console display so switches shall be wired to a multiplex node located in the front console. We the electrical panel will not be tolerated as it adds unnecessary wires and commaster switch shall be lockable in the "ON" position to ensure that the point inadvertently cut.	onnecti	ons. The
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
11.03	Rear Console The completed ambulance shall have a rear action area console. It shall incomplete the consoler is the consoler of the consoler.	lude all	controls

11.0

ls and switches to operate all necessary emergency or mission critical functions such as:

- 8. Rear heat and AC controls with digital interior temperature display
- 9. Patient compartment lights, bank 1
- 10. Patient compartment lights, bank 2

Vendor Name:	
--------------	--

	 11. Action area reading light 12. Cabinet lights 13. Suction pump 14. Patient compartment exhaust 15. Patient status indicator (intercodes, red, yellow, green) Switches shall be easily cleaned and sanitized. The detail above describes the minimum features the rear console shall active shall be wired to a multiplex node located in the rear console. Wiring directly panel will not be tolerated as it adds unnecessary wires. 		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
11.04	Front Console Indicator Lights The front console shall integrate the following indicators:		
	 Patient Status Indicator Lights (intercodes): The Red/Amber/Green plights shall be integrated on the front console. An audible alarm shall state is activated from the patient compartment. The alarm shall be conformal Alarm Cancel / Mute switch. Door Ajar Indicator: This shall illuminate when an entry door is open alarm shall sound when this indicator light is flashing. Compartment Ajar Indicator Light: This shall illuminate with any confiscopened. An audible alarm shall sound when this indicator light is flash AUX Indicator: This light is available for future option integration. 	ound wancelledned. An	then any d by the audible
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
11.05	Heat/AC Controls The rear HVAC system shall be able to be controlled from the action area as touch pad or touch screen. It shall integrate functions to raise and low compartment temperature and to control the fan speed. Speed available shall and automatic mode. There shall be a digital display for the patient temperature, the set temperature, the fan speed, as well as the ambie information. If equipped with the touch pad, two (2) auxiliary or more be available for future expansion if needed. These touch pads or touch screens, in the front console and one (1) in the rear console, shall be part of the multipalso act as nodes.	wer the off to comp nt temp uttons sat least	patient 7, 1, 2, 3 partment perature shall be one (1)
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
11.06	Hour meter A digital engine hour meter shall be integrated in the front console.		
	Does your bid comply with the specification as written?	Y	N

Vendor Name: _____

	Does your proposal include an exception to this requirement?	Y	N
12.	EMERGENCY AND TASK LIGHTING		
	General Each ambulance shall have a system of optical warning devices as specified. The visual warning system on the ambulance shall have two (2) distinct sequences during emergency operation. These shall be defined in this sequences and Secondary. The Primary mode shall signal to drivers and pede ambulance is responding to an emergency and is calling for the right-of-way. mode shall indicate that the ambulance is stopped and is blocking the right-of-	et progr specifica estrians The Sec	rammed at ion as that the
	The bidder shall comply where specific vendor and model numbers are deslights are purchased from a common vendor and can be purchased by all ma	scribed a	as these ers.
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
12.02	Flash Rate Flash patterns shall be easily programmable through the multiplexing electral emergency lighting. External flasher units are not preferred, nor lights preasure a specific flash pattern.	rical sys ogramm	tem for ed with
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
12.03	Front Plane Lights – Five (5) 900 Series LED Five (5) Whelen 900 series LED lights with chrome bezels shall be install plane. The lighting shall include a mix of four (4) red and one (1) clear light shall flash in an alternating pattern where all red lights flashes together first clear light.	its. Thes	se lights
	These lights shall flash in a pattern programmed by the multiplexing electric	al syste	m.
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
12.04	Wig Wags The OEM high beams lights shall act as Wig Wag emergency lights.		
	These lights shall flash in a pattern programmed by the multiplexing electric	eal syste	m.
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N

12.05 Grille Lights Two (2) red Whelen 700 Series LED lights shall be installed in the front gr	rille.	
These lights shall flash in a pattern programmed by the multiplexing electrons	rical syste	em.
Does your bid comply with the specification as written?	Y	_ N
Does your proposal include an exception to this requirement?	Y	_ N
12.06 Front Intersection Lights Two (2) Whelen 700 Series LED clear/red lights with chrome bezels shall fenders of the chassis. These lights shall be located in a forward position to visibility at an intersection. The clear portion shall be continuously light whis activated.	hen the tu	irn signal
These lights shall flash in a pattern programmed by the multiplexing elect	trical syst	em.
Does your bid comply with the specification as written?	Y	_ N
Does your proposal include an exception to this requirement?	Y	_ N
12.07 Front turn signals Two (2) Whelen 700 series amber lights with chrome bezel shall be instal beside the cab on the ambulance box, one (1) on each side. These lights conjunction with the turn signals.	lled just a ghts shal	above and
Does your bid comply with the specification as written?	Y	_ N
	W	TA.T
Does your proposal include an exception to this requirement?	Υ	_ N
Does your proposal include an exception to this requirement? 12.08 Side Warning Lights Four (4) Whelen 900 Series LED red warning lights shall be installed o the ambulance, two (2) each side.	-	
12.08 Side Warning Lights Four (4) Whelen 900 Series LED red warning lights shall be installed o	on the side	e plane of
 12.08 Side Warning Lights Four (4) Whelen 900 Series LED red warning lights shall be installed of the ambulance, two (2) each side. Two (2) Whelen 700 series LED red warning lights with chrome Bezels store the side plane of the ambulance, one (1) on each side towards the 	on the side	e plane of astalled on above the
 12.08 Side Warning Lights Four (4) Whelen 900 Series LED red warning lights shall be installed of the ambulance, two (2) each side. Two (2) Whelen 700 series LED red warning lights with chrome Bezels of the side plane of the ambulance, one (1) on each side towards the fenderettes. 	on the side shall be in center, a	e plane of astalled on above the
 12.08 Side Warning Lights Four (4) Whelen 900 Series LED red warning lights shall be installed of the ambulance, two (2) each side. Two (2) Whelen 700 series LED red warning lights with chrome Bezels of the side plane of the ambulance, one (1) on each side towards the fenderettes. These lights shall flash in a pattern programmed by the multiplexing election. 	on the side shall be in center, setrical sys	e plane of astalled on above the stem.
 12.08 Side Warning Lights Four (4) Whelen 900 Series LED red warning lights shall be installed of the ambulance, two (2) each side. Two (2) Whelen 700 series LED red warning lights with chrome Bezels of the side plane of the ambulance, one (1) on each side towards the fenderettes. These lights shall flash in a pattern programmed by the multiplexing election to the specification as written? Does your proposal include an exception to this requirement? 12.09 Rear Warning Lights Four (4) Whelen 900 Series LED red warning lights with chrome bezels the rear plane of the ambulance, two (2) on each side of the doors, one corner and the other one visible through the window when the door Whelen 600 Series LED amber warning lights with chrome bezels shall the rear doors. 	shall be in center, setrical system of the side of the center of the cen	e plane of astalled on above the stem. N
 12.08 Side Warning Lights Four (4) Whelen 900 Series LED red warning lights shall be installed of the ambulance, two (2) each side. Two (2) Whelen 700 series LED red warning lights with chrome Bezels of the side plane of the ambulance, one (1) on each side towards the fenderettes. These lights shall flash in a pattern programmed by the multiplexing election poes your bid comply with the specification as written? Does your proposal include an exception to this requirement? 12.09 Rear Warning Lights Four (4) Whelen 900 Series LED red warning lights with chrome bezels the rear plane of the ambulance, two (2) on each side of the doors, one corner and the other one visible through the window when the door whelen 600 Series LED amber warning lights with chrome bezels shall 	shall be in center, setrical system of the side of the center of the cen	e plane of astalled on above the stem. N

Does your bid comply with the specification as written?	Y	_ N
Does your proposal include an exception to this requirement?	Y	_ N
12.10 Scene Lighting Four (4) Whelen 900 Series LED scene lights shall be installed on the ambulance. The scene lights shall project at a downward angle to allow for of the area surrounding the sides of the ambulance.		
They shall be controlled independently for each side by a switch in the curbside scene lights shall also be activated when the side entry door is o can be cancelled by pressing one (1) second on the door switch. Three (3 not tolerated as the signal for the open door is cancelled when the switch is position, which could lead to a safety issue. Adding a second switch is a it adds unnecessary wiring and components.	pened. The beginning penetron is pulled in	is feature switch is the third
Does your bid comply with the specification as written?	Y	_ N
Does your proposal include an exception to this requirement?	Y	_ N
12.11 Load Lights Two (2) Whelen 600 Series LED load lights with chrome bezels shall be plane of the ambulance, above the rear doors. The load lights shall propangle to allow for adequate lighting of the area surrounding the rear of the	ject at a de	ownward
They shall be controlled by a switch in the front console. The lights shall when the rear entry door is opened. This feature can be cancelled by preson the door switch. Three (3) position switch is not tolerated as the signal is cancelled when the switch is pulled in the third position, which could lead Adding a second switch is also not tolerated as it adds unnecessary wiring	sing one (1 al for the o ead to a saf	l) second pen door ety issue.
Does your bid comply with the specification as written?	Y	_ N
Does your proposal include an exception to this requirement?	Y	_ N
12.12 Patient Compartment Illumination Eight (8) Whelen round LED dome lights shall be installed in the ce compartment. The LED lights shall be controlled via switches on the rear (4) LED lights of the patient compartment curbside shall be illuminate compartment entry doors are opened. See section 15.13 for color require	control pa d when th	nel. Four
Does your bid comply with the specification as written?	Y	_ N
Does your proposal include an exception to this requirement?	Y	_ N
12.13 Patient Compartment Timer An automatic digital timer shall be integrated into the rear consol. Four (4 patient compartment curbside shall be illuminated when the timer is ac shall be triggered with five (5) minutes increment and display the time re-	ctivated. T	hts of the
Does your bid comply with the specification as written?	Y	_ N
Vendor Name:		i.

	Does your proposal include an exception to this requirement?	Y	N
13.	AUDIBLE WARNING DEVEICES		
13.01	Siren/PA System Siren-PA System to be Whelen 295HFS or equivalent with: radio, PA, Man Air Horn and Piercer tone.	ual, Wa	il, Yelp,
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
13.02	Speakers Whelen low profile siren speakers shall be mounted on the front grill of the shall be securely mounted in an engineered support to fit without modifying thousing shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to restrict airflow or to reduce the effective of the shall be designed not to reduce the effective of the shall be designed not to reduce the effective of the shall be designed not to reduce the effective of the shall be designed not to reduce the effective of the shall be designed not to reduce the effective of the shall be designed not to reduce th	the chas	sis. This
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
13.03	A 97 db. backup alarm shall be provided. It shall be activated when the reverse. The cancel switch in the cab-mounted emergency control console alarm when pressed after the alarm is activated. However, an automatic reactivate the alarm after 15 seconds of down time. The backup alarm shall the rear of the ambulance.	e shall r e functi be locate	nute the on shall ed under
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
14.	OXYGEN AND SUCTION		
14.01	General The completed ambulance shall have a piped medical oxygen system capab supplying a minimum of 3,000 liters of medical oxygen. The main oxygen from a compressed gas cylinder that the County will provide and install vehicle is placed in service. Low pressure, electrically conductive hose and for medical oxygen only shall be used. All oxygen piping shall be concean not exposed. Where oxygen lines may travel through a hole, a grommet prevent premature wear of the oxygen line. All oxygen tubing shall be secustill accessible for maintenance. Oxygen shall be piped to self-sealing oxy system shall be tested prior to delivery and the results of the test shall be piped user documentation.	at the at	shall be time the approved med and used to shall be lets. The
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
	Vendor Name:		

14.02	Oxygen Outlets, quick Connect, Three (3) Three (3) Quick Connect surface mounted oxygen outlets shall be installed i ambulance. They shall be installed on the medical center wall in the main ac outlets shall be tested prior to delivery of the ambulance.	n the co	mpleted a. These
	Exact location of the oxygen outlets shall be agreed upon prior to constructi	on.	
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
14.03	Oxygen Tank Storage The oxygen tank shall be stored in an outside compartment. The cylinder shaccessed and removed from the outside, and shall be able to be controlled from the inside of the patient compartment. A chrome vent with an interior barrier shall be installed on the oxygen compartment door to properly compartment of any leaking oxygen.	at the r or rubbe	egulator er debris
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	. N
14.04	Oxygen Tank Bracket A Ziamatic QR-MV oxygen cylinder bracket shall be installed in the oxyg to accommodate different sizes of oxygen cylinders. This bracket shall be s to reinforcement mounting plates.	en comp ecurely	partment fastened
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
14.05	Two (2) RICO RS4 electrically controlled suction system shall be installed compartment. One (1) outlet shall be on the action area wall with the conswitch panel with the first suction pump located behind the street side can outlet shall be located close to the secondary action area, on the curb side second suction pump located behind the second action area lower cabin suction pumps shall be securely mounted with rubber pads to eliminate an oise. Two (2) vacuum indicator gauges ranging from 0 to 760 mm Hg shall	ontrol in binetry. le wall, net. The any unn	One (1) with the two (2) necessary
	Each suction pump shall be triggered only be the switch on the same side o	f the am	ibulance.
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
14.00	6 Quick Connect Wall and Ceiling - Flow Meter The ambulance shall be equipped with a Quick Connect 0.5-15 LPM wall ceiling flow meter.	flow me	eter and a
	Does your bid comply with the specification as written?	Y	_ N
	Vendor Name:		

_		
${f V}$	N	

15. VARIOUS

15.01 Paint

All exposed metal surfaces that are not plated or stainless steel shall be cleaned and prepared and shall be painted or coated. The paint or coating, including any primer, shall be applied in accordance with the manufacturer's recommendation. The paint used shall be from Tristar, a high built polyurethane surface over epoxy primer application utilizing two (2) acid stabilizing treatments. This paint is preferred by the County as it has a durable lifespan, is resilient to harsh climates and remains pliable even in its hardened state to prevent cracking and chipping from normal ambulance body torsion.

The paint process will consist of two (2) coats of primer and one topcoat. The primer will be an epoxy/polyamide strontium chromate primer boasting excellent impact and chemical resistance designed specifically for the aerospace industry's high performance requirements. It will be approved for the following specifications:

- de Havilland DHMS C4.01 Type 2
- Bombardier Canadair BAMS 565-01, BAMS 565-08 Ty2 C1 A Gr A
- National Defense Mil-P-23377F, Type 1, Class 1

The base primer coat will need to pass the following tests, with testing documentation:

Impact Resistance	No flaking or cracking when subjected to 40 inch pounds
-	direct impact or a 40 inch pounds reverse impact.
Hardness	Pencil Hardness 2H minimum.
Fuel Resistance	Withstands immersion of Jet Al Fuel for 14 days at ambient
	temperatures without showing any defects. After a 24 hour
	recovery period, the primer regains its pretest hardness.
Lubricating Oil Resistance	Withstands immersion in lubricating oil at 25° C for 14 days
<u> </u>	without showing any softening, blistering, or loss of adhesion.
Hydraulic Fluid Resistance	Withstands immersion in Skydrol hydraulic fluid without
-	showing any defects for 30 days.
Salt Spray Resistance	With a scribed film at an angle of 6°, it exhibits no blistering,
* *	lifting of the primer, or substrate corrosion after exposure to
	5% salt spray following ASTM B117 on treated aluminum
	substrate 3000 hours.
Water Resistance	No blistering or loss of adhesion after 14 hours immersion in

The manufacturer's paint facility shall be free of dust and contaminants that could have an adverse effect on the paint finish. The manufacturer's paint facility shall also be certified to apply the paint specified.

distilled water at ambient temperature. Will regain its pretest

hardness after a recovery period of 24 hours.

The aluminum structure shall be prepared by thoroughly washing the aluminum body with wax and grease remover, preferred product is PPG DX440.

Vendor Name:			

Following the acid wash, the surfaces shall be sanded smooth. All sand and dust shall be removed with air when sanding is complete.

A two (2) stage epoxy primer layering process shall be applied to the module and all painted components. This primer stage is critical to the adhesion of the paint and shall be necessary to the paint process. A 1.2 mil Starproxy primer application shall be used. After adequate drying time, a second layer of the Starproxy primer shall be applied. When completed, the finished primer layer shall be two (2) layers thick and shall be sanded smooth to a surface grade of 9 or 10. This application allows for superior adhesion to the module body.

The finish coat shall be applied and be allowed to dry for the paint manufacturers recommended amount of time. A second finish coat shall be applied. All imperfections shall be sanded; the finish shall be free of any runs, fisheyes and other paint blemishes.

Bidders may propose alternative paint process methods. A detailed description of the process and certifications by the paint manufacturer shall be provided in this bid proposal.

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.02	Signs and Instructions All required signs, instruction plates, and labels related to the electrical spermanently attached and easy to read. All signage and labeling shall be resextreme temperatures (-30°F (-25°C) and 176°F (80°C)), and ultra violet relabels shall meet the UL 969, Standard for Marking and Labeling Systems. All relating to safety or critical operational instructions shall be reflective or illustrations set forth in the forthcoming NFPA 1917 Standard for Automoth Guidelines.	sistant to adiation Il exterion minated	o fluids These or labels per the
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
	Two (2) Additional Whelen 900 led (red) warning lights at window height Red 900 series LED version warning lights to be installed at module rear are to flash with primary and secondary mode.		ammed
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
	Wheel Simulators Chrome style wheel simulators to be installed on chassis wheels. Phoenix bra	and or e	qual.
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N

	Ford FIN GPC discount per State of TN Discount shall be applied by bidder.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.06	All warning light lenses shall be clear		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.07	Flash pattern shall meet KKK-A-1822-F per State of TN requirements Program flash pattern shall be triple burst comet flash		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.08	Tire chains to be installed on Ford chassis On Spot or equal tire chains to be installed.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.09	Patient Compartment windows. All patient compartment windows to be tinted.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.10	Stryker Equipment to be provided. Stryker: Floor plate and pre-wire		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.11	USB charging outlets in cab and module – Two (2) each Exact location to be determined at pre-construction		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.12	Delivery Bidders shall be responsible for delivery to Anderson County, TN		
	Does your bid comply with the specification as written?	Y	N
	Vendor Name:		

	Does your proposal include an exception to this requirement?	Y	N
15.13	Fog Lights Bidders shall install LED lightbar version fog lights on chassis front bumper	r area.	
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.14	Rear Tow Hooks Dual recessed rear tow hooks to be installed.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.15	Lifepak 15 Cardiac Monitor Mount Technimount system Bracket Pro Serie 35 complete assembly support in anodized surface base, support device section, hardware and instruction (pa 00-PC15).		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.16	360-degree Birds Eye Cameras Provide and install 360-degree surround view camera system to replace system. Must have video monitor installed in cab, in easy view area of driven		camera
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.17	Rear Window Privacy Covering Install of privacy window covering on rear windows of patient compartment be permanent, and is to allow limited to no viewing into patient compartment interior viewing outside of patient compartment.	. Cover 1t, but a	ing is to bility of
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
15.18	Patient Compartment Shelf Dividers Install of shelf dividers on interior patient compartment storage cabinets.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N

15.19 References for this specific design ambulance – no exceptions

CUSTOMER	CONTACT	STATE	MANF	TITLE	#

						1
	Does your bid compl	y with the spec	cification as wri	itten?		Y N
	tional warranty or log equirements of this sp					
16. (OPTIONS Purpose of included in the bid aw these options. Anders them individually.	ard. It is not a	bid requirement	t to respon	d or provide	information or
16.01	Stryker Powerload Purchase and installat	ion of a Stryker	Power Load co	t fastening	system.	
16.02	Stryker Stair Chair Stryker Stair Chair Pr support.	o Model #6252	with IV pole cli	p, foot sup	pport and viny	/I head
16.03	Ferno PowerTraxx E Ferno PowerTraxx E2 handles, headrest and	Z Glide with one	e additional batte	ery, battery	y charger, rea	r lifting
16.04	Stryker Power Cot Stryker Power Pro X7 End Storage Flat, Dua Holder, G Rated Bols	al Wheel Locks,	3 stage IV Pole	, Equipme	nt Hook, Hea	d End O2

Vendor Name:		

16.05 MedixSafe

MS1 model PIN pad and proximity card reader narcotic safe. To be installed by manufacturer in location approved by County.

16.06 Rumbler low frequency siren.
Installation of low frequency siren.

16.07 GPS

In dash GPS system for front cab.

Vendor Name:	
vendoi maine.	

TRANSIT MID HIGH ROOF (4X2) TYPE II SRW **SPECIFICATIONS**

17.1 Schedule

The manufacturer shall be able to schedule the ambulance into its production cycle to give an accurate deadline of completion from the time of the signed accepted order. The bidder shall include the proposed lead time for the completion unit and other important milestones in a Gantt chart.

The manufacturer shall not be held liable for changes arising from its failure to make or delay in making delivery because of fire, flood, strike, riot, chassis shortage, accidents, acts of

force majeure, or any circumstances beyond the bidding manufacturer's control. Manufacturer shall be responsible for delivery of ambulance upon completion to Anderson County, TN. Does your bid comply with the specification as written? Y N Y____ N___ Does your proposal include an exception to this requirement? 17.2 Quality Processes A manufacturer's internal quality process system shall be in place. This quality processed system shall conform to ISO-9001 specifications. To ensure the quality system is continually maintained the manufacturer shall be audited by an independent agency. Documentation on this internal quality process system shall be provided. Does your bid comply with the specification as written? Y____N___ Y____ N____ Does your proposal include an exception to this requirement? 17.3 Ambulance Components All components shall be installed in accordance with the applicable manufacturer's installation instructions. The emergency medical care vehicles, including chassis, equipment, devices, medical accessories, and electronic equipment shall be standard commercial products, tested and certified to meet or exceed the requirements of this standard. Vehicles shall be free from defects that may impair their serviceability or detract from appearance. All bodies, systems, equipment, and interfaces with the chassis shall be done in accordance with OEM best practices. Y____N___ Does your bid comply with the specification as written? Y_____N___ Does your proposal include an exception to this requirement? 17.4 Warranty The manufacturer shall include documentation of all warranties pertaining to the new ambulance. Each warranty shall be specifically detailed and shall describe what exactly is covered under the specified warranty. Warranties must be described and detailed in exact times (e.g years, months, days).

Vendor Name: _____

Module Structure:

Paint:

	 Electrical: Materials and Workmanship: OEM Materials: A written statement of each of the manufacturer's warranties shall be provided proposal.	ed with	this bid
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
17.5	Documentation All documentation delivered with the ambulance shall either be printed fo format, audiovisual format or any combination of these forms of media. The shall be provided in a centralized manual, binder or CD. All documentation labeled and shall be easy for the County to review as necessary.	docum	entation
	The ambulance manufacturer shall deliver with the ambulance at least one following documents:	(1) cop	y of the
	 The manufacturer's record of ambulance construction details, includin information: a. Owner's name and address b. Ambulance manufacturer, model, and serial number c. Chassis make, model, and VIN d. GAWR of front and rear axles and GVWR e. Front tire size and total rated capacity in pounds (kilograms) f. Rear tire size and total rated capacity in pounds (kilograms) g. Engine make, model, serial number, rated horsepower and torque h. Type of fuel and fuel tank capacity i. Electrical system voltage and alternator output in amps j. Battery make, model, and capacity in cold cranking amps (CCA) k. Chassis transmission make, model, and serial number l. Ratios of all driving axles m. Maximum governed road speed n. Paint manufacturer and paint number(s) o. Company name and signature of responsible company representative p. Documents from a certified scale showing curb weight on the from axle(s) (done after construction is completed, and without personnel Certification of compliance of the optical warning system Siren manufacturer's certification of the siren Written load analysis and results of the electrical system performance te Certification of slip resistance of all exterior stepping, standing, and wall 	e nt axle a and equ	and rear nipment)
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
17.6	Operations and Service Documentation The manufacturer shall deliver with the ambulance at least one (1) so owner/operator manuals. These manuals shall also include service document the completed ambulance as delivered and accepted.		

The owner/operator manual shall include the inspection, service, and operations of the ambulance of all major components thereof. The documentation listed here shall be for each ambulance delivered and shall contain the following information:

	1. Manufacturer's name and address		
	 Country of manufacture Source for service and technical information 		
	4. Parts replacement information		
	Descriptions enecifications and ratings of the chassis		
	6. Wiring diagrams for low voltage and line voltage ambulance-specific sy	stems to	include
	the following information:		
	a. Pictorial representations of circuit logic for all electrical components	and wiri	ng
	b. Circuit identification		
	c. Connector pin identification		
	d. Zone location of electrical components		
	d. Safety interlocks		
	e. Alternator-battery power distribution circuits f. Input/output assignment sheets or equivalent circuit logic i	impleme	nted in
	f. Input/output assignment sneets of equivalent cheun logic in multiplexing systems	1	
	7. Lubrication charts		
	Operating instructions for the chassis, any major components		
	Instructions regarding the frequency and procedure for recommended n	naintenai	nce
	10. Overall ambulance operating instructions		
	11. Safety considerations		
	12. Limitations of use		
	13. Inspection procedures		
	14. Recommended service procedures15. Troubleshooting guide		
	16. Ambulance body, chassis, and other component manufacturer's warran	ties	
	17 Special data required by this standard		
	18. Material safety data sheet (MSDS) for any fluid that is specified for use of	on the am	ibulance
	Does your bid comply with the specification as written?		N
		v	N
	Does your proposal include an exception to this requirement?	1	- 1\
177	Certification and Payload Signage		
17.7	The complete ambulance shall have a certification and payload label. II	nis label	shall be
	mounted on the body (module) interior in a conspicuous location. The comp	pleted an	nbulance
	shall have a payload calculation form.		
	of the second teachers	v	N
	Does your bid comply with the specification as written?	_	
	Does your proposal include an exception to this requirement?	Y	_ N
17.8	Dimension Labeling		0
17.0	The completed ambulance manufacturer shall provide a high-visibility l	abel sho	wing the
	dimensions of the ambulance and the GVWR of the competed vehicle. I	his label	shall be
	located in a location easily found by the driver.		

	Does your bid comply with the specification as written?	Y	_ N				
	Does your proposal include an exception to this requirement?	Y	_ N				
17.9	Omponent Protection All manufacturer or supplier supplied hose lines, air system tubing and electrical harnesses shall be mechanically attached to the frame or body structure of the ambulance. All exposed tubing, electrical wiring and hoses shall be contained in a loom or an insulated covering on both the exterior and interior of the ambulance. Where hoses and electrical wiring looms are passing through metal edges; a protective grommet shall be installed in the hole to prevent premature wear on the loom or hose. Exposed wires and hoses shall not be permitted as this poses a potential hazard and could cause premature failure of critical components on the completed ambulance.						
	Does your bid comply with the specification as written?	Y	_ N				
	Does your proposal include an exception to this requirement?	Y	N				
17.10	Personnel Protection Protection in the form of guards and shields shall be provided on the completo prevent injury of personnel by temperature sensitive, moving, or rotating personnel operations. Access to these areas shall be restricted yet still qualified technicians to perform maintenance when necessary.	arts dur	ing non-				
	Electrical insulation or isolation shall be provided on all electrical compor electrical shock from onboard electrical systems. Electrical systems and properly secured in the electrical control panel to prevent accidental entry or areas.	wiring	shall be				
	The completed ambulance shall be free of sharp edges and protrusions the during routine maintenance or while the vehicle is in motion.	nat coul	d injure				
	Does your bid comply with the specification as written?	Y	N				
	Does your proposal include an exception to this requirement?	Y	N				
17.11	Liability The bidding manufacturer shall furnish a Certificate of Insurance showing a liability insurance which shall not be less than ten million dollars (\$10,00 general liability Certificate of Insurance shall be provided by the manufact Failure to provide a Certification of Insurance shall be considered non-respondence of the proposal.	0,000.0 cturer's	0). This insurer.				
	Does your bid comply with the specification as written?	Y	N				
	Does your proposal include an exception to this requirement?	Y	N				
17.12	Service Parts and Warranty Capability						
	Bidders authorizing local service centers will be cause for a lower level of co County. It is preferred that the bidder provide this service direct for consist	onsidera stent an	ation by d quick				
	Vendor Name:						

repairs as not to be farmed out. Details of service capability will be provided with proposal, to include if the bidder is providing this service direct or indirect. This will include:

- 1. Facility Name, Address, Phone Number, & Primary Contact
- 2. Size of Facility
- 3. Number of employees and certifications/training credentials
- 4. On Site Field Service Capabilities
- 5. Photos of actual facilities
- 6. 24/7/365 Emergency Service Hotline

It is a high priority to the County to be able to maintain our fleet and minimize critical failure issues and have access to quick repairs. To assist in prompt repairs to our fleet successful vendor must meet the following service and maintenance requirements. Greater consideration will be given bidder that has a comprehensive ambulance module repair facility to administer warranty repair and stock in house parts. Bidder must offer this direct service within their coverage area.

Does your bid comply with the specification as written?	Y	N
Does your proposal include an exception to this requirement?	Y	N
Bidder must be recognized as the authorized provider of ambulances and County's state.	service	for the
Does your bid comply with the specification as written?	Y	N
Does your proposal include an exception to this requirement?	Y	N
24/7 FIELD SERVICE TECHNICIANS - EMERGENCY SERVICE: Couthe vendor have on site mobile service vehicle fleet with factory trained E Fully stocked with common service items as necessary available 24 hours week. All module repairs must be performed via a factory trained technicia include pictures of their service fleet vehicles, facility & comply with the for	VT tech a day 7 n. Vend	nicians. days a or shall
Does your bid comply with the specification as written?	Y	N
Does your proposal include an exception to this requirement?	Y	N
Bidders must list their service facility profile and credentials to the Cou	nty belo	<u>ow</u>
Factory Authorized Facility Name:	=0.	
Full Time Service Manager Name:		
Full Time Parts Manager Name:	====	
Daytime Phone Number:		
24 hr Emergency Service Number:		
24 hr Monitored Email Link:		
Vendor Name:		

	# Factory Authorized Mobile Service Techs:		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
18	TEST AND CERTIFICATION		
18.01	Testing Capabilities The ambulance manufacturer shall be equipped to do a majority of the ambutheir facility. All pull tests, load tests, lighting level tests and noise level test at the manufacturer's facility. The manufacturer shall have a full range of te proven by an independent engineering agency.	sts shall	be done
	In-house testing facilities are preferred by this County as this gives the flexibility to perform tests on various designs and iterations on a continual by shall be audited and documented by an engineer, which will all be accredited of engineering and technology of their respective state or province.	oasis. A	ll testing
	If the Ambulance manufacturer does not have its own testing facility on description of how continual testing is provided shall be detailed in the bid particle.	-site, a proposa	detailed l.
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
18.02	Testing Requirements The bidding manufacturer shall be capable of passing testing certificates. All testing performed shall meet or exceed the highest requirement of the North American standards listed here. The manufacturer shall be testing or certification results for the following requirements.	t set for	th in any
	Copies of testing documentation and certification for the Ambulance Manufa of the National Truck Equipment Association (AMD) requirements shall be this proposal:	cturers e provi	Division ded with
	Copies of different vehicle certifications for the following vehicle specific provided with this proposal:	cations	shall be
	 KKK: Federal Specification for the Star of Life Ambulance (KKK- FMVSS: US Federal Motor Vehicle Safety Standards and Regulation DOT: US Department of Transportation 		2)
	Any manufacturer who exceeds these specifications is welcomed to provide it needs to be useful in the application of the County to be considered a plus	data. F	However,
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N

18.03 Additional Testing Requirements

In addition to the above mentioned testing requirements in section 2.02, the following tests shall be conducted on the specific model, passed and documented.

18.03.1 Additional AMD Testing Requirements

• AMD 004: Cot Retention Pull Test

Above and beyond the minimum required 2200 lbs., the bidding manufacturer must have completed a cot retention pull test to meet or exceed 10 times the weight of the cot plus the cot hardware and the weight of a male patient in the 90th percentile per the current NIHS / CCHS data. The minimum requirement may vary, depending on the specific cot (Ferno or Stryker) and cot hardware. Results for both brands must be provided.

• AMD 006: Sound Level Test

Above and beyond the minimum requirement of 80 decibels or less as tested in the patient compartment, the bidding manufacturer must also perform a sound level test in the front cab, with windows opened 6 inches and reach a minimum requirement of 89 decibels or less. Another sound level test in the front cab must be done with windows closed while reaching a minimum of 84 decibels or less.

• AMD 008: Patient compartment Grab Rail Test

Above and beyond the minimum requirement of a 300 lbs pull test on the overhead ceiling grab rail, the bidding manufacturer must perform pull tests on each grab handle inside the patient compartment. All grab handles and overhead grab rails will be pull tested to 500 lbs., however it is important to mention that deformation may occur at 500 lbs.

• AMD 012: Interior Climate Control Test

Heating

Minimum Requirement: From 32°F to 68°F in 30 minutes or less

Above and beyond the minimum requirement, the bidding manufacturer must show that the test began at 1°F and reach 68°F in 30 minutes or less.

Air Conditioning

Minimum Requirement: From 95°F to 78°F in 30 minutes or less

Above and beyond the minimum requirement, the bidding manufacturer must perform the exact same test and reach 78°F in 20 minutes or less.

AMD 013: Weight Distribution

Above and beyond the minimum requirement of having 20% or more GVWR on the front axle, the bidding manufacturer will need to meet or exceed a minimum of 30% GVWR on the front axle. This added front axle weight distribution is a critical safety aspect in terms of added traction, braking capacity and increased handling capabilities.

18.03.2 Additional Testing Requirements

• Safety Net and Safety Net Anchor Points Pull Tests

The bidding manufacturer will need to meet or exceed a pull test on the safety net of 3000 lbs. The bidding manufacturer will also need to meet or exceed a pull test of

Vendor Name:		

the safety net anchor points of 6000 lbs., with each anchor point being subject to an equal amount of force.

Test Scope – Anchor Points

Attach a force application device to each fastener and applied the required load in a plane parallel to the fastener. Repeat the test procedure while applying the load perpendicular to the initial plane. Examine and record the results.

Test Scope - Safety Net

Apply a force in a forward direction at the center of the net using a suitable solid block to distribute the load. Examine and record the results.

Street side Cabinetry Pull Test

The bidding manufacturer will need to meet or exceed a pull test on the street side medical cabinetry equivalent to 25 times the weight of the cabinet and action wall assembly or, in the case the cabinets are individual components of the wall assembly, the sum of every individual cabinet plus the cabinet shelves and action wall, in both lateral and longitudinal axis', with the force equally dispersed on the surface of the cabinet. The pull test shall be conducted on a final assembled cabinet installed in a similar module.

Test Scope - Street Side Cabinetry Pull Test

Apply the required force to the component using a force application device such that the force is spread equally over the fasteners. Apply the force in a lateral direction. Observe and record the results. Repeat the test procedure by applying the force in a longitudinal direction. Observe and record the results.

Equipment Restraint Devices Pull Tests

The bidding manufacturer will need to meet or exceed a pull test on any and all equipment restraining device, such as fasteners, O2 brackets or belts. The pull test will be a minimum of 10 times the weight of the restraint device and the restrained equipment.

Test Scope - Equipment Restraint Devices

Document and calculate the weight of the equipment and the equipment restraint to be pull tested. Apply the calculated force on each different installation in a parallel and perpendicular plane to the initial plane of the fasteners.

Does your bid comply with the specification as written?	Y	N
Does your proposal include an exception to this requirement?	Y	N

Vendor Name:	

18.04 Certification Documents

Certification letters submitted for the ambulance model, components, and equipment being certified shall contain the following information on contractor's letterhead stationery in electronic format (pdf files):

- 1. To whom certifying
- 2. Date
- 3. Units or items
- 4. Contractor and address
- 5. Date product tested
- 6. Model number and specification data
- 7. Applicable specification references and test requirement
- 8. Summary of the test report
- 9. A certifying statement with official signature by a recognized and certified engineer

The testing documentation for each certification shall include the following supportive verification data and information on letterhead stationery in electronic format (pdf files):

- 10. For whom tested
- 11. Report date
- 12. Name of sample product or device
- 13. Contractor's address
- 14. Serial and model number(s)
- 15. Specification referral and amendment number(s), and test requirement(s)
- 16. Test facilities used and location
- 17. Test equipment used
- 18. Test procedure
- 19. Test results
- 20. Verifying test data
- 21. Photographs
- 22. Test conclusion(s)
- 23. Witness(es)
- 24. Authorized signature

Certification documentation shall be delivered with the ambulance, including results of the certification tests. Each model the manufacturer offers shall be tested and certified. The County will not accept testing certification on the largest model size as a "blanket certification" for all models without detailed justification and/or calculation. A testing equivalency can only be used if a signed & approved letter is provided, explaining the build philosophy and testing requirements proving the test equivalency.

Does your bid comply with the specification as written?	Y	N
Does your proposal include an exception to this requirement?	Y	. N

Vendor Name:	
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19.01 Model

Ford Transit Van T250 with Mid-Height Roof, 148" Wheelbase (Code R2C)

19.02 GVWR

9000 lbs (Code 20B)

19.03 Paint

OEM Oxford White (Code YZ)

19.04 Interior Color

Pewter Cloth (Code CK)

19.05 Seating

Pewter 2-way manual driver and passenger, with side airbags (Code 21L)

19.06 Equipment packages

Preferred Equipment Package (Code 101A)

XL Trim (INCL)

Exterior Upgrade Package (Code 18D)

Ambulance Cargo Van Prep Package (Code 47B)

Auxiliary Heater A/C Prep Package without Rear Controls (Code 62C)

Modified Vehicle Wiring System Package (Code 53K)

19.07 Mirrors

OEM Power Short Arm Mirrors (Code 541)

19.08 Radio

AM/FM Stereo with audio input jack in OEM dash location (Code 58U)

19.09 Engine

3.7L Ti-VCT V6 Gasoline Engine (Code 99M)

19.10 Transmission

6-Speed Automatic Overdrive with SelectShift (320 H.P., 400 FT LB Torque) (Code 446)

19.11 Alternator

Single Heavy Duty 220-amp (Code 63C)

19.12 Batteries

Dual Heavy Duty Batteries (Code 63E)

19.13 Tires

235/65R16 BSW all season SRW (Code TC8)

Full size spare tire/wheel mounted underneath the vehicle

19.14 Wheels

16" Steel wheels with full silver wheel covers (Code 64H)

19.15 Brakes

Four-wheel disc with anti-lock (STD)

Vendor Name:	
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19.16 Axle Axle Limited-Slip Ratio 3:73 (Code X7L)		
19.17 Suspension Front- Independent McPherson Strut w/Stabilizer Bar (STD) Rear- Leaf Springs w/heavy-duty gas shock absorbers (STD)	[8]	
19.18 Steering Power Rack and Pinion with tilt and telescopic column (STD)		
19.19 Cab Flooring OEM black vinyl mat (STD)		
19.20 Emissions 50 state emissions (Code 425)		
19.21 Fuel Tank 26 US Gallons, midship, capless fuel fill (STD)		
19.22 Additional Options/Features Air Conditioning-Front only (Code 57B) Cruise Control (Code 60C) Rear Vinyl Floor Covering Delete (Code 16C) (2) Additional, (4) Total Keys (Code 86F) Front License Plate Bracket (Code 153) Engine Block Heater (Code 41H) Daytime Running Lamps (Code 942) Power Equipment Group, Door Locks and Windows, w/Remote Keyless	Entry (S	STD)
Does your bid comply with the specification as written?	Y	N
Does your proposal include an exception to this requirement?	Y	_ N

20. VEHICLE FEATURES

20.01 Aerodynamic light integration

Aerodynamic light fixtures shall be added to the ambulance. There shall be a front cab riser and a low profile rear spoiler. They need to be designed according to the chassis' lines to maximize drag reduction and enhance appearance. They shall reduce the drag caused by disrupting the air flow around the vehicle created by the addition of front and/or rear light bars.

They shall be made of fiberglass thick enough to prevent buffeting. A layer of gel cot is applied to give the smooth finish. Foam insulation, where applicable, prevents wind noise and reduces heat transfer with the exterior.

The cab riser shall also incorporate emergency lighting integrated behind Lexan lenses to maximize the aerodynamic efficiency. These lenses need to be replaceable and fixed using tools and adhesive required to install and remove automotive windshield. The lights shall be

Vendor Name:	
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interchangeable from the inside, without the need to remove any lens. The headliner shall be modified to provide access for changing lights. Isolated color matching hatches have to be installed in three (3) locations to access the left, center and right lights.

The rear spoiler shall also incorporate rear lights which can be interchanged from the outside of the ambulance.

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
	High Idle Device A high idle or throttle to engine speed auxiliary control device (high idle sw shall be installed to allow an increase in the engine speed when the ambulance high idle shall be automatically engaged when the ambulance parking brake it transmission in park. The high idle shall deactivate when the vehicle's premoved or the brake is applied.	e is park is engag	ed. The
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
20.03 Running Boards Running boards shall be installed on both sides of the vehicle. The driver's side shall below the driver's entry door and the passenger side shall be full length from the door to below the curbside sliding entry door. They shall be constructed of a material no less than 7" wide with machine punched holes to facilitate water as runoff. Aluminum mud flaps and brackets shall be added for reinforcement and predebris intrusion.			ab entry ure grip d debris
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
20.04	Front Bumper The chassis manufacturers OEM front bumper shall be furnished at the front	t of the	chassis.
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
20.05	Rear Step Bumper An OEM rear step bumper with fixed stepping surface shall be installed or vehicle. The structure is to be bolted to the chassis for easy replacement and	n the re Ladjustr	ar of the
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N

21. DRIVERS' COMPARTMENT 21.01 Reading Lamp There shall be a gooseneck reading lamp installed in the front console. Does your bid comply with the specification as written? Y____N___ Does your proposal include an exception to this requirement? Y N 21.02 Hand spotlight The ambulance shall have a 400,000 CP hand spotlight in the front cabin. It shall be secured to the floor or wall with a thermoformed bracket. Does your bid comply with the specification as written? Y____ N____ Y____N___ Does your proposal include an exception to this requirement? 21.03 Back-up camera The ambulance shall have a back-up camera with a minimum 5" display in the driver's compartment. It shall have a night vision mode to allow for clear viewing at night. It shall automatically switch the display when the vehicle is put in reverse. Does your bid comply with the specification as written? Y____ N___ Y____ N____ Does your proposal include an exception to this requirement? 22 **BODY FEATURES** 22.01 Curb Side Configuration There shall be a sliding door on the curb side of the ambulance. This door shall allow for entering and exiting the patient compartment. It shall also provide access to the ALS compartment and the stair chair, stored flat just above floor level, under the ALS compartment. Does your bid comply with the specification as written? Y____ N___ Does your proposal include an exception to this requirement? Y____N___ 22.02 Rear Configuration There shall be two (2) pivoting doors on the rear side of the ambulance. These doors shall allow for entering and exiting the patient compartment. The left door shall provide access to the backboard storage compartment, located horizontally behind the medical cabinet. The right door shall provide access to the oxygen cylinder compartment, upright. Does your bid comply with the specification as written? Y____ N___ Does your proposal include an exception to this requirement? Y____ N___

22.03 Insulation

The patient compartment shall be insulated with a vermin and mildew proof reflective faced insulation with a hard compressed fiberglass back. This insulation shall be used in all areas, including the sidewalls, doors and roof. Reflective faced compressed fiberglass insulation is recommended due to its nature not to settle over time and the ability to block outside noise. Other insulating methods may be documented and submitted. In accordance to the KKK-A-1822 Federal Ambulance Specifications and the forthcoming edition of NPFA 1917 Standard for Automotive Ambulance requirements, all insulations shall be non-settling type, vermin-proof, mildew-proof, fire retardant, non-toxic, and non-hygroscopic.

	Does your bid comply with the specification as written?	Y	N		
	Does your proposal include an exception to this requirement?	Y	N		
22.04	Body Structural Enhancements Due to the lightweight construction of the OEM Transit body, the ambulance manufacturer shall enhance the structure of the body. A rigid, steel substructure shall be welded to the OEM body on the streetside wall, curbside wall, and roof to strengthen the structure, enhance the safety of occupants, and provide mounting points for the pull-tested aluminum cabinet structure. The ambulance manufacturer must include documentation with the bid response detailing the materials and methods used to enhance the structure of the OEM body. All modifications shall be permitted by Ford QVM Guidelines.				
	Does your bid comply with the specification as written?	Y	N		
	Does your proposal include an exception to this requirement?	Y	N		
23	PATIENT COMPARTMENT				
23.01	Of Construction General Guidelines The interior of the ambulance shall be constructed in such a way that is free of sharp edges. All interior surfaces shall be easy to clean, impervious to soap, water, body fluids, disinfectants and shall be mildew resistant. Wall surfaces shall be a CNC cut fiberglass or aluminum matching the interior color of the module. Wood, or other laminated materials do not meet these specifications and shall not be utilized.				
	Trim pieces adjoining multiple wall surfaces are not preferred by the Counanother crevice to keep clean and could become an unnecessary source of debris or liquids to enter. Trim molding can also contain sharp edges on could be a potential hazard.	penetra	ation for		
	All components installed in the ceiling shall be mounted as flush as possib protrude any further than ½" from the ceiling, except for the grab rails. So components on the wall shall comply with head protection requirem incorporate a protective shield or covering.	urface r	nounted		
	All upholstered seating surfaces shall be thermoformed and shall have no ex Head pads and vinyl trim areas which are not seating areas shall be custom wrapped polyurethane foam with a hard surface backing material.				
	Does your bid comply with the specification as written?	Y	N		

Vendor Name: _____

	Does your proposal include an exception to this requirement?	I —	1	
23.02	Floor The floor shall be constructed of 5/8" marine grade 7-ply plywood and shall extend the length and width of the patient compartment. Where additional sections of plywood are needed, the sections shall utilize lap joint construction to maintain a continuous lay of the floor and eliminate the possibility of gaps or cracking. It shall be bonded to the aluminum panel and screwed only where there are beams or plates. Screws only through the aluminum skin will not be tolerated as the present a potential injury risk and add close to no value to the floor integrity. Holes in the floor for patient handling options shall be CNC pre-cut to ensure maximum precision.			
	Does your bid comply with the specification as written?	Y	N	
	Does your proposal include an exception to this requirement?	Y	N	
23.03	Lonseal Lonplate II Gunmetal flooring shall be installed in the completed a non-slip floor covering shall be rolled at least 3" up both sides of the patien. This floor shall be rolled on the coved floor extrusion and shall be adhered a the floor cove giving a tight secure fit that will not bubble or prematurely tear be a one (1) seamless piece and shall be able to be cleaned without having to p or potentially harmful cleaning agents. This roll up floor shall cover the er width of the compartment's working area. Areas in the floor where the side meet shall be sealed to prevent any blood borne pathogens from entering.			
	Does your bid comply with the specification as written?	Y	N	
	Does your proposal include an exception to this requirement?	Y	. N	
23.04	All cabinet structure, cabinet doors, shelves and openings described here shall manufactured in fiberglass or aluminum. Over time, wood products tend to warp, distort a shrink, creating potential for premature structural wear. The County prefers fiberglass a aluminum construction for its resiliency to harsh environments and cleaners as well as lightweight size and overall strength.			
	The overall cabinet structure shall consist of interlocking extrusions. Extrusially provide the structural integrity of the cabinets as well as creating the insections. These extrusions shall be custom fit and CNC cut to form the parameters of the configuration. All cabinet extrusions shall incorporate a rounded edge to give pleasing appearance as well as providing a smooth, safe surface for the Mitered box framed cabinetry will not be accepted as a mitered corner product and potential gaps. Each interlocking extrusion joint shall be attached machine bolt into the extrusion via a tap and die holes. These fasteners shall frame structure into place and shall prevent the cabinet sections from two inserts shall be placed on the lip of the extrusion and shall be fixed with an acceptance.	dividual articular an aestle crew in aces sha by two lock the wisting.	reabinet cabinet hetically member. rp edges (2) hex exabinet Cabinet	

as mechanically fastened into position. This structure alone shall resist to the pull test, the structural integrity of the cabinetry is not reliant on the interior storage cavity.

Unless specified for a particular purpose, all interior cabinets shall be constructed of preformed fiberglass inserts. Cabinets designed for a particular purpose may be constructed of formed aluminum depending on the application.

All cabinets shall be easy to clean, impervious to soap, water, body fluids, and disinfectants and shall be mildew resistant.

Cabinets with sliding windows shall have a transparent window and window track felt installed in the dedicated channels of the cabinet extrusion. The cabinet windows shall be made of 3/16" Lexan and include integrated Inventory Control devices.

Laminated, or Formica-covered cabinetry is not desired due to the material's propensity to delaminate, crack, or chip. All aluminum cabinetry parts shall be powder-coated to provide a durable, smooth, easy to decontaminate surface.

The County will not accept prototype built models or untested construction methods used only to satisfy the detailed description of this specification. Alternative construction methods shall be detailed in the exceptions section of this bid proposal. Photographs of this construction method shall be provided to allow for adequate comparison. Testing documents of the exact layout shall be provided.

Does your bid comply with the specification as written?	Y	N
Does your proposal include an exception to this requirement?	Y	N

23.05 Street Side Cabinetry

The street side interior layout shall consist of the following cabinetry:

There shall be two (2) equal sized cabinets located at the ceiling level of the streetside wall, one (1) forward above the action area, and one (1) rearward just inside the rear doors. Cabinet dimensions shall be 42"L x 10"H x 7.50"D.

There shall be two (2) equal sized cabinets located just inside the rear doors at the mid and lower-levels of the streetside wall. The cabinet dimensions shall be $42^{\circ}L \times 16.25^{\circ}H \times 9.50^{\circ}D$, one above the other, towards the aft section of the medical cabinet. Each cabinet shall include one (1) adjustable shelf.

There shall be one (1) storage cabinet at the center of the streetside wall at mid-height with dimensions of 25"L x 16.5"H x 11.25"D. This cabinet shall include the 120VAC and 12VDC outlets specified in sections 10.02 and 10.03 of these specifications. This cabinet shall be able to be modified to include a cardiac monitor tray if desired.

There shall be one (1) storage cabinet at the center of the streetside wall at lower-height with dimensions of 25"L x 17"H x 9.25"D. This cabinet shall be directly below the previously specified cabinet and include one (1) adjustable shelf.

There shall be one (1) storage cabinet at the forward end of the streetside wall directly below the action area counter top. The cabinet shall have dimensions of 42"L x10"H x 7.50"D.

There shall be a removable maintenance panel located below the previously specified cabinet to access the area behind the streetside cabinetry wall. This area will house the

Vendor Name:	

main electrical system of the unit, as well as the suction pump, 120VAC breakers, and communication radio installation area. A separate, small sliding access door shall be integrated into the removable panel to provide quick access to the 120VAC breakers in the event service is required.

There shall be a horizontal compartment for storage of backboards integrated into the streetside cabinet wall. The compartment shall be accessed from the rear doors and have dimensions of 4.25"W x 18.8"H x 69"D.

The main action area shall include the rear console, the oxygen outlets, the suction outlets, the inverter control panel if equipped, the clock if equipped, the reading light, electrical outlets and other optional items.

The exact cabinetry layout shall match the drawings specified in this bid proposal.

	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	N
23.06 ALS Cabinet The ALS cabinet, located on the right side of the front bulkhead wall shall be either the curbside entry door or the patient compartment. The cabinet s storage dimensions of 24.5"W x 46"H x 12.75"D and be divided with a fixed in equal upper and lower storage sections. Each storage section shall have aluminum shelf installed and removable retaining straps.			um shelf
	The ALS cabinet shall be made of smooth powder coated aluminum furability to match the other cabinetry in the patient compartment.	for stre	agth and
	ALS cabinet layout shall match the drawings included in this bid proposal.		
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
23.07	3.07 Stair Chair Storage Cabinet The stair chair storage cabinet shall be accessible from the curbside entry door locatio be positioned at floor level just below the ALS cabinet. The cabinet shall accommoda currently-available makes and models of stair chairs and have dimensions of 22 10.75"H x 35"D.		
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
22.0	o Dulkhood with Sliding Window		

23.08 Bulkhead with Sliding Window

The ambulance shall be equipped with an aluminium bulkhead wall partition. It shall be positioned between the driver and the patient's compartment, towards the front, allowing enough space to recline the front seats. A sliding window shall be installed above the rear attendant seat, between the ALS compartment and the medical cabinet.

Vendor Name:	
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	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	N
23.09	Squad Bench A squad bench capable of seating two (2) attendants and a cardiac monitor on the curbside of the vehicle. To maintain structural integrity and max storage, the squad bench shall be made of .090 aluminum pieces welded to will be located on a main frame with reinforcement plates strong enough to pull tests. The squad bench shall be attached to the side wall structure as up floor extrusion and to the floor.	mize we ogether. resist to	eight and The belts required
	Access to the storage area under the squad bench shall be via a positive system on the squad bench lid and face. When the latch is released automatically raise open via the compressed gas struts attached to the squat the bottom of the squad bench storage area. The bottom of the storage area with a single piece of covering matching the patient compartment.	the bei	nch shall lid and to
	Two (2) sets of 6-point safety restraints shall be located on the back of permanently bolted through ½" plates that were welded into the added wall Holes shall be tapped to allow for seat belt removable after the squad be the vehicle.	support	structure.
	A full-length seamless thermoformed seat cushion with matching ful thermoformed backrest and full-length seamless thermoformed headrest fixed on the wall for the dual-seating positions. The color of these cushi shall match the interior vinyl cushions.	cushions	s shall be
	The County will not accept prototype built models or untested construct only to satisfy the detailed description of this specification. Alternative conshall be detailed in the exceptions section of this bid proposal. Pheconstruction method shall be provided to allow for adequate comparison. To of the exact squad bench shall be provided.	struction otograph	methods is of this
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
23.10	A hands-free kick out style waste disposal shall be installed in the square type of system shall allow the attendant to quickly discard any biologic door with his or her foot to avoid unnecessary contamination from their h	waste via	area. This a a tip ou
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
23.11	Attendant's Head Seat An EVS brand automotive-style thermoformed seamless attendant's seat state head of the cot. The attendant's seat shall have a three-point seatbelt. The able to flip up. The seat shall meet and exceed all testing requirements	The seat	nstalled a base sha

	Does your bid comply with the specification as written?	Y	N		
	Does your proposal include an exception to this requirement?	Y	N		
23.12	Overhead Grab Rail One (1) 60" overhead Yellow grab rail shall be mounted in the patient compartment ceiling. The grab rail shall be securely fastened to the roof structure in the patient compartment ceiling at each mounting location. The grab rail shall be at least 1" in diameter.				
	Does your bid comply with the specification as written?	Y	N		
	Does your proposal include an exception to this requirement?	Y	N		
23.13	Additional Handrails Two (2) additional 12" Yellow handrails shall be mounted in the patient compartment, one (1) right of rear access door and one (1) right of side access door. These additional grab handles shall be positioned in a location that is easy for the attendant to grip when entering the vehicle.				
	Does your bid comply with the specification as written?	Y	N		
	Does your proposal include an exception to this requirement?	Y	N		
23.14	IV Holder Two (2) recessed mounted IV hangers specifically designed for holding IV containers shall be installed, including hook and loop straps to adequately secure an IV bag/bottle. The IV holder shall recess into the ceiling creating minimal protrusion into the patient compartment when not in use.				
	Does your bid comply with the specification as written?	Y	N		
	Does your proposal include an exception to this requirement?	Y	N		
	The patient Cot Retention The patient compartment shall be equipped with a Stryker Power Load floor plate with inductive charging wiring. The cot mount shall be securely bolted through tapped ½" 6061. To aluminum reinforcement plates meeting Stryker installation specifications. The Stryker Power Load equipment will be provided by County and drop shipped to location of install It will be the responsibility of the vendor to install the provided Power Load equipment.				
	Does your bid comply with the specification as written?	Y	N		
	Does your proposal include an exception to this requirement?	Y	N		
	Safety Net A woven nylon seatbelt style safety net shall be installed towards the font of the area to serve as an additional safety barrier. The net shall be secured to the ceand the curbside wall of the module. Each attachment point shall be bolted to a structure strong enough to meet required testing. The net shall be interwoven to decrease the force of an object when the vehicle comes to an abrupt halt. Vendor Name:	eiling, th reinfor	ne floor cement		

	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
23.17	Fire Extinguisher The ambulance shall have two (2) five (5) lbs ABC fire extinguishers brackets. Exact location TBD.	with	mounting
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
24	TOWAR		
24.	HVAC		
24.01	General The patient compartment HVAC system shall be controlled by the driver or the patient compartment attendant via the multiplex touch pad located in the front console or the rear switch panel.		
	The patient compartment temperature shall be monitored by a thermostat incorporated in the multiplexing electrical system. Additional to the three (3) preprogrammed speeds, an automatic mode shall be able to decide between heating, cooling and fan speed in function of the set temperature versus the patient compartment temperature.		
	In order to achieve maximum efficiency and optimization of this system, the fans' special be optimized via Pulse Width Modulation (PWM) to allow the heating and cooling system to run at its most effective speed.		
	Adequate room for hose connections and hose lines shall be provided when installing HVAC components. The hoses shall be protected and insulated to optimize performance and longevity. They shall also be clamped every 18" and routed without sharp bends and kinks.		
	The combination Heating/Air Conditioning unit shall be installed above the ALS cabinet area at ceiling level. The output shall be directed above the headliner through an air diffusion duct to five (5) directional air vents equally spaced above the squad bench area to maximize heating and cooling air output in the patient compartment.		
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
	ONE (1) exhaust fan shall be installed. The fan shall allow adequate air exchange within cab and patient compartment while parked or in motion. The exhaust fan shall be controlled by the multiplexing electrical system and shall operate on 3 speeds (Low, Medium and High). The exhaust vents shall exit from the street side of the vehicle.		
			_ N
	2000 Jour proposal melade an exception to this requirement.	*	_ 13
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25. BATTERY SYSTEM, MULTIPLEX AND WIRING

25.01 Overview

A 12VDC electrical system shall be added in junction with the OEM system. They shall be isolated from each other, yet they still exchange data. This is achieved by using a multiplex system in combination with a CAN BUS connectivity between the two (2) systems. It reduces the number of wires in the harness, thus reduces the number of components and connections. Using programmable solid-state devices allows for easy diagnostics, troubleshooting and customizing of the vehicle without needing to add relays or modify the wiring system, even at a later stage while the vehicle is in the field. Printed circuit board or, so called "hardwired" electrical systems shall not be acceptable.

	so called "hardwired" electrical systems shall not be acceptable.		
	The ambulance manufacturer shall have significant experience in installing mul electrical systems. The County is not interested in prototypical or logical system untested or unproven by the ambulance manufacturer. The multiplex system specified be fully developed, tested, in service for at least 10 years and shall be installed to units. Documentation of electrical systems installed and in-service provided at the County's request.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
25.02	25.02 Electronic Controller Units (ECU) Multiplexing electrical system shall consist of solid-state electronic controller units the electrical control panel. Electronic controller units shall act as communications system for the entire electrical system. These electrical controller command all electrical components installed by the ambulance manufacturer in the patient compartment. Each electronic controller unit shall be self-diagnost to-read LED. Printed schematics of all components and wiring shall be provice completed ambulance.		
	All Electronic controller units shall be sealed in a weatherproof exterior camain control panel shall be coated in weather resistant from the factory controller units shall be installed in electrical control panel compartment location.	. All C	lectionic
	ectronic controller units shall be programmed using already establish immunication language. Electronic controller units shall be programmed to defective signals in the SAE J1939 protocol via the CAN BUS connections is preferred to allow for future expansion and. No auxiliary printed requit breakers or relays shall be needed in future expansion or to assist in the standard electrical components.		s type of t boards,
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
25.03	3 Serviceability The later a multiploying electrical system shall be designed to be	mainta	ined and

The ambulance multiplexing electrical system shall be designed to be maintained and serviced easily. In the unlikely event of an electrical problem, the ambulance's electrical

system shall be able to be connected remotely to the Internet and shall be able to be diagnosed or reprogrammed by a service technician at the ambulance manufacturer's main facility. This multiplex electrical system shall be proven to be virtually maintenance free. A failure (warranty) rate of less than 1% is required because this agency wishes to purchase an ambulance with the utmost reliability in service. Documentation of warranty claims relating to the electrical system shall be provided to the County upon request.

Y____ N____

Y____ N___

Does your bid comply with the specification as written?

Does your proposal include an exception to this requirement?

25.04	All wiring for the electrical systems shall be stranded copper or copper all a gauge rated to carry 125 percent of the maximum current for which the ci Voltage drops in all wiring from the power source to the component shapercent. All circuits shall be wired in conformance with SAE J1292, Au Truck-Tractor, Trailer, and Motor Coach Wiring. None of the ambulances and components shall terminate or originate in the oxygen storage compatthe oxygen flow control solenoid, compartment light, and switch plunger or	rcuit is prail not ex all not ex atomobile electrica rtment ex	rotected. aceed 10 b, Truck, al wiring acept for
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
25.05	Wiring Harness The ambulance wiring harnesses shall be a continuous run to each electrical ambulance wiring shall contain no splices in the main wiring harness. To connectors of each end shall be machined crimped. Hand crimped electrical not permitted by the County as they have been proven to be prone to premate irregularities.	The termi	inals on tors are
	All ambulance wiring harnesses shall be enclosed in a plastic loom. This loot the electronic controller units to each specified electrical component. conduit must travel through a tube structure, a rubber grommet shall be placed prevent premature wear of the plastic loom and/or wiring. All wiring has secured to the roof and walls tube structures with insulated clamping fasters.	Instances ced in the irnesses	where hole to
	The overall covering of jacketed cables shall be moisture resistant and he continuous temperature rating of 194°F (90°C), except for cable installar wiring may be exposed to higher temperatures. All wiring connections and to use a method that provides a positive standard connection. Wiring of terminations shall be installed in accordance with the device manufacture. Wire nut, insulation displacement, and insulation piercing connections shall	ations whermination connections on the connection of the connectio	nere the ns shall ons and uctions.
	All connections to the electrical components shall include a minimum 6 in. All wiring connections shall utilize easy plug in style connectors.	service l	loop of.
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
25.06	Wiring Identification		
	Vendor Name:		

All wiring shall be identified f every 6" at a minimum. The wiring identification code shall indicate the position on the electronic controller unit for easy maintenance and diagnosis. Wiring identification shall be clearly visible and shall be printed on the insulated wire. No stickers will be allowed.

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
25.07	Circuit Protection Circuits shall be provided with properly rated low voltage overcurrent pro Such devices shall be readily accessible and protected against heat in overcurrent device's design range, mechanical damage, and water spray. Ci shall be accomplished by utilizing fuses, circuit breakers, fusible links, equivalent devices.	excess rcuit pr	of the otection
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
25.08	Wiring Schematics The complete set of wiring schematics shall clearly identify all wiring locatio component connection. A sample document shall be available to the Count examine the quality of the electrical schematic. All instances of wiring not co standards established in this document shall be documented at the time of Failure to comply with this requirement shall be cause for rejection of the present the country of the co	y on re nformir of the p	quest to
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
25.09	Electric Panel The electrical panel shall be located underneath the front passenger seat. It addition to the ECUs all block fuses and other electronic devices. All componentralized in that location for ease of maintenance and diagnosis.		
	For future upgradability, one (1) extra 15 amp 12VDC circuit breaker shall shall be wired and shall be ready for a future programmable function with the electrical system.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
	Grounding Dedicated grounding locations for all appliances, circuits, etc. shall be suppl mounting screws/hardware shall not be used for grounding purposes, nor sh the ambulance be used as a ground location. Star washers or unapproved, untermethods shall not be used.	all the	oody of
	OEM grounds shall not be used as grounding location for the conversion circ	uits.	
	Vendor Name		

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
25.11	Switching Requirements Switches, relays, terminals, and connectors shall have a direct current (depercent of maximum current for which the circuit is protected.	;) rating	of 125
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
25.12	Voltage Alarm The multiplex system shall incorporate an audible voltage warning when the of any battery bank drops below 11.5VDC.	system	voltage
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
25.13	Load Management The multiplexing electrical system shall be programmed to automatically she should the electrical output rating of the installed alternator drop below voltage level. Electrical components shall shed in order of priority management systems or load management systems not programmable considered as the County requires this electrical system to be flexible and considered.	a prog Externe shall	nal load
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
25.14	4 Batteries There shall be two (2) OEM batteries. These batteries shall be linked toget controlled relay.	ther via	an OEM
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
26.	120VAC & 12VDC ELECTRICAL SYSTEMS AND INVERTER		
26.0	The completed ambulance shall be equipped with two (2) forms of internal 120VAC and 12VDC. These internal power sources shall allow attendants to plug in additional accessories or to charge battery powered devices when All wiring shall be rated to handle the load of the electrical componer 120VAC and 12VDC wiring and associated equipment shall be tested be manufacturer prior to delivery. The testing criteria shall include polarity an all receptacles to verify that all wiring connections have been properly made	n needed nt specify by the and doubt doubt	d. fied. The

	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
26.0	2 12VDC Outlets All 12VDC power point outlets specified here shall be properly tested and s with a Schottky-style diode to isolate the medical equipment batteries from diode shall be located in the electrical panel and shall be wired to the convershall be designed to handle voltage of at least 48VDC. All wiring to the 12V be clearly labeled and shall be one (1) continuous run from the diode to the	other ler rsion ba DC ou	oads. The
	The ambulance shall be equipped with at least four (4) 12VDC "power point These outlets shall be breaker protected. They shall be energized when the switch is activated.	nt" styl e modu	e outlets. le master
	One (1) shall be installed on the street side of the vehicle in the cardiac more One (1) shall be installed on the curb side wall of the vehicle. One (1) shall be installed in the ALS cabinet. One (1) shall be installed on the cab emergency control console.	iitor cal	binet.
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	N
26.03	120VAC Outlets 120VAC outlets shall be energized from the shoreline and/or from the invertible All 120VAC outlets shall be UL certified, Nema 5-15, clearly identified on the 60Hz and have a pilot light when powered. A 120VAC GFCI shall be instained shoreline and shall disable all 120VAC outlets when tripped. The GFCI shall the streetside lower cabinet below the action area with a dedicated access of consulting and/or resetting if needed.	the unit Illed be all be lo	, rated to youd the ocated in
	The ambulance shall be equipped with at least four (4) 120VAC 60Hz outlet energized when the module master switch is activated or the shoreline plugg	s. They ed.	shall be
	One (1) shall be installed on the street side of the vehicle in the first action a One (1) shall be installed on the street side of the vehicle in the cardiac monition (1) shall be installed on the curb side wall of the vehicle. One (1) shall be installed in the ALS cabinet.	rea wal itor cab	I. inet.
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
26.04	Auto Eject Shoreline A 20amp shoreline shall be installed on the driver's side of the vehicle. The be a Kussmaul Auto Eject with sealed casing and LED indicator light. When plugged into an exterior source, all 120VAC 60Hz outlets shall be energized shall be recessed into the vehicle and shall include a weather proof low profit	the sho . The sl	reline is horeline
	Does your bid comply with the specification as written?	Y	N
	Vendor Name:		

	Does your proposal include an exception to this requirement?	Y	_ N
	1000W Xantrex Inverter A Xantrex Freedom HW power inverter rated for 1000 watts shall be install compartment, behind the driver seat. The inverter shall be powered via a correar attendant console. When this inverter is activated, all 120VAC outlets shall be powered via a correct attendant console.	ntrol pa	nel in the
	An inverter integrated battery charger shall be provided for maintaining bacharged condition when the shoreline is plugged.	ıtteries	in a fully
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
27.	CONSOLES		
27.01	General Controls and switches that are expected to be operated by the belted atteambulance is in motion shall be visible and within reach. Switches shall be position that the driver does not have to unbuckle to activate or read the while the ambulance is in motion.	located	in such a
	Switches, indicators, and control devices shall be perceptively and perma with universal automotive graphics or at least 12 point letters for the noun 8 point letters for the remainder of the legend.	nently or fund	identified ction, and
	For ease of identification, the controls and switches shall be contrasting engraved in plastic or metal, or printed and laminated in see through plast grouped according to function. The switches shall have a different feel switches. All switches and controls detailed here shall be properly LED illumdriving.	tic, and from	logically the OEM
	Every switch shall incorporate a confirmation LED connected to the device activated. Confirmation lights wired directly to the switch shall not be toler confirm that the output activated, only that the switch is activated.	or circ ated as	uit that is it doesn't
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
27.02	Front Console The completed ambulance shall have a front console. It shall include switches to operate all necessary emergency or mission critical functions su	all con ach as:	ntrols and
	 12. Master switch (lockable) 13. Primary/Secondary emergency lighting 14. Side scene and rear load lights 15. Alarm cutoff for patient indicator and back up alarm 16. Wig Wag headlights (where applicable) 17. Optional lighting activation (lightbars, additional warning lights, etc.) 18. Rear heat and AC controls with digital interior temperature display 		
	Vendor Name:		_

	19. Patient compartment lighting20. Patient compartment exhaust21. Door open indicator22. Digital Ammeter/Volt Meter Display		
	The detail above describes the minimum features the front console display switches shall be wired to a multiplex node located in the front console. the electrical panel will not be tolerated as it adds unnecessary wires and master switch shall be lockable in the "ON" position to ensure that the inadvertently cut.	d connecti	ons. The
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
27.03	Front Console Indicator Lights The front console shall integrate the following indicators:		
	 Patient Status Indicator Lights (intercodes): the Red/Amber/Gree lights shall be integrated on the front Heads Up Console. An audible when any state is activated from the patient compartment. The alarm by the Alarm Cancel / Mute switch. Door Ajar Indicator: This shall illuminate when an entry door is a alarm shall sound when this indicator light is flashing. Battery Indicator Light: This light shall illuminate when the converse operational. 	n shall be opened. A	cancelled n audible
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
27.04	Rear Console The completed ambulance shall have a rear action area console. It shall and switches to operate all necessary emergency or mission critical func	include al	l controls as:
27.04	The completed ambulance shall have a rear action area console. It shall	include al	l controls as:
27.04	The completed ambulance shall have a rear action area console. It shall and switches to operate all necessary emergency or mission critical func 16. Rear heat and AC controls with digital interior temperature display 17. Patient compartment lights, streetside 18. Patient compartment lights, curbside 19. Action area reading light 20. Suction pump 21. Patient compartment exhaust	include al	l controls as:
27.04	The completed ambulance shall have a rear action area console. It shall and switches to operate all necessary emergency or mission critical func 16. Rear heat and AC controls with digital interior temperature display 17. Patient compartment lights, streetside 18. Patient compartment lights, curbside 19. Action area reading light 20. Suction pump 21. Patient compartment exhaust 22. Patient status indicator (red, yellow, green)	ctivate. Al	l switches
27.04	The completed ambulance shall have a rear action area console. It shall and switches to operate all necessary emergency or mission critical function. 16. Rear heat and AC controls with digital interior temperature display 17. Patient compartment lights, streetside 18. Patient compartment lights, curbside 19. Action area reading light 20. Suction pump 21. Patient compartment exhaust 22. Patient status indicator (red, yellow, green) Switches shall be easily cleaned and sanitized. The detail above describes the minimum features the rear console shall as shall be wired to a multiplex node located in the rear console. Wiring directions are a reading light and sanitized.	ctivate. Al	l switches
27.04	The completed ambulance shall have a rear action area console. It shall and switches to operate all necessary emergency or mission critical function. 16. Rear heat and AC controls with digital interior temperature display 17. Patient compartment lights, streetside 18. Patient compartment lights, curbside 19. Action area reading light 20. Suction pump 21. Patient compartment exhaust 22. Patient status indicator (red, yellow, green) Switches shall be easily cleaned and sanitized. The detail above describes the minimum features the rear console shall as shall be wired to a multiplex node located in the rear console. Wiring direct panel will not be tolerated as it adds unnecessary wires.	ctivate. Al	l switches electrical
27.04	The completed ambulance shall have a rear action area console. It shall and switches to operate all necessary emergency or mission critical function. 16. Rear heat and AC controls with digital interior temperature display 17. Patient compartment lights, streetside 18. Patient compartment lights, curbside 19. Action area reading light 20. Suction pump 21. Patient compartment exhaust 22. Patient status indicator (red, yellow, green) Switches shall be easily cleaned and sanitized. The detail above describes the minimum features the rear console shall as shall be wired to a multiplex node located in the rear console. Wiring direct panel will not be tolerated as it adds unnecessary wires. Does your bid comply with the specification as written?	ctivate. Alectly to the	l switches electrical

27.05 Heat/AC Controls

The rear HVAC system shall be able to be controlled from the action area and the cab via a touch pad. It shall integrate functions to raise and lower the patient compartment temperature and to control the fan speed. Speed available shall be off, 1, 2, 3 and automatic mode. There shall be a digital display for the patient compartment temperature, the set temperature, the fan speed, as well as the ambient temperature information. Two (2) or more auxiliary buttons shall be available for future expansion if needed. These touch pads, at least one (1) in the front console and one (1) in the rear console, shall be part of the multiplex system and also act as nodes.

	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
27.06	Hour Meter A digital engine hour meter shall be integrated in the front console.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
28.	EMERGENCY AND TASK LIGHTING		
	General Each ambulance shall have a system of optical warning devices as specified. The visual warning system on the ambulance shall have two (2) distinsequences during emergency operation. These shall be defined in this sequences during emergency operation. These shall be defined in this sequences during emergency operation. These shall be defined in this sequences are specified and is calling for the right-of-way, mode shall indicate that the ambulance is stopped and is blocking the right-of-way indicate that the ambulance is stopped and model numbers are dealights are purchased from a common vendor and can be purchased by all mathum.	specific estrians The Se of-way. scribed	grammed action as that the econdary as these arers.
	Does your bid comply with the specification as written?		. N
	Does your proposal include an exception to this requirement?	Y	. N
	Flash Rate Flash patterns shall be easily programmable through the multiplexing electral emergency lighting. External flasher units are not preferred, nor lights preasure a specific flash pattern.		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
	Front Plane Lights - Cab Riser Minimum nine (9) LED lights, including two (2) Whelen 400 series LED lights, Whelen 500 series LED lights, shall be installed in the aerodynamic	ights an cab ris	d seven

lighting shall include a mix of seven (7) red and two (2) clear LED lights. These lights shall flash in an alternating pattern where each red side flashes together first followed by the clear light.

These lights shall flash in a pattern programmed by the multiplexing electrical system. Y____ N____ Does your bid comply with the specification as written? Y____ N____ Does your proposal include an exception to this requirement? 28.04 Wig Wags There shall be two (2) clear Whelen LINZ6 series LED lights installed in the lower portion of the chassis grille to act as Wig Wag emergency lights. These lights shall flash in a pattern programmed by the multiplexing electrical system. Under no circumstances shall the OEM high beam lights be modified or utilized as Wig Wag emergency lights. Y____ N____ Does your bid comply with the specification as written? Y____N___ Does your proposal include an exception to this requirement? 28.05 Grille Lights Two (2) red Whelen LINZ6 Series LED lights with clear lenses shall be installed in the front grille. These lights shall flash in a pattern programmed by the multiplexing electrical system. Y N___ Does your bid comply with the specification as written? Y____ N____ Does your proposal include an exception to this requirement? 28.06 Front Intersection Lights Two (2) Whelen 700 Series LED red lights with clear lenses shall be installed on the fenders of the chassis. These lights shall be located in a forward position to provide adequate visibility at an intersection. These lights shall flash in a pattern programmed by the multiplexing electrical system. Y____ N____ Does your bid comply with the specification as written? Y____ N____ Does your proposal include an exception to this requirement? 28.07 Side Plane Warning Lights Four (4) Whelen 600 Series LED red warning lights with clear lenses shall be installed on the side plane of the ambulance, two (2) on each side towards the corners. These lights shall flash in a pattern programmed by the multiplexing electrical system. Y N Does your bid comply with the specification as written? Y____N___ Does your proposal include an exception to this requirement?

28.08	Rear Plane Warning Lights Two (2) Whelen 500 Series LED red warning lights with clear lenses shall the low-profile aerodynamic rear spoiler, towards each corner. One (1) Whe LED amber warning light with clear lens shall be installed centered between lights.	elen 50 the two	O Series o (2) red
	These lights shall flash in a pattern programmed by the multiplexing electric		
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	. N
28.09	Scene Lighting Four Whelen 600 Series LED scene lights shall be installed on the side ambulance, inboard of the red emergency lights. The scene lights shall project angle to allow for adequate lighting of the area surrounding the sides of the state of	t at a do	wnwara
	They shall be controlled independently for each side by a switch in the fro curbside scene lights shall also be activated when the side entry door is open	nt cons red.	ole. The
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
28.10	Load Lights Two (2) Whelen Perimeter Enhancement Series LED load lights shall be aerodynamic rear spoiler, between the red and amber warning lights. The project at a downward angle to allow for adequate lighting of the area surrough the ambulance.	load lig	thts shall
	They shall be controlled by a switch in the front console. The lights shall a when the rear entry door is opened.	lso be	activated
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
28.11	Center High-Mounted Stop Lamp A Whelen #PSR00XRR Red LED Strip-Lite shall be installed on aerodynamic rear spoiler to serve as a 3 rd brake lamp. The light shall be wirear brake lights in accordance with Ford QVM Guidelines.	the lovired to t	w-profile the OEM
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
28.12	2 Patient Compartment Illumination Seven (7) Whelen #80C0EHCR round LED dome lights shall be installed the patient compartment. The LED lights shall be controlled via switches or panel. Four (4) LED lights of the patient compartment shall be illuminated compartment entry doors are opened.	i the rea	ar contro

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	_ N
28.13	Patient Compartment Timer An automatic digital timer shall be integrated into the rear console. Four the patient compartment shall be illuminated when the timer is activated. T triggered with five (5) minutes increment and display the time remaining.		
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
29	AUDIBLE WARNING DEVICES		
29.01	Siren/PA System Siren-PA System to be Whelen 295HFS or equivalent with: radio, PA, Ma Air Horn and Piercer tone.	nual, W	'ail, Yelp,
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
29.02	Speakers Two (2) Whelen 100-watt siren speakers shall be integrated into the from chassis. They shall be securely mounted in an engineered support to fit with the chassis. This housing shall be designed not to restrict airflow of effectiveness of the siren speaker.	ithout n	nodifying
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
29.03	Backup Alarm A 97 db. backup alarm shall be provided. It shall be activated when the reverse. The cancel switch in the cab-mounted emergency control consolalarm when pressed after the alarm is activated. However, an automat reactivate the alarm after 15 seconds of down time. The backup alarm shall the rear of the ambulance.	le shall ic funct	mute the
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
30.	OXYGEN AND SUCTION		
	General The completed ambulance shall have a piped medical oxygen system capab supplying a minimum of 3,000 liters of medical oxygen. The main oxygen Vendor Name:		_

from a compressed gas cylinder that the County will provide and install at the time the vehicle is placed in service. Low pressure, electrically conductive hose and fittings approved for medical oxygen only shall be used. All oxygen piping shall be concealed, loomed and not exposed. Where oxygen lines may travel through a hole, a grommet shall be used to prevent premature wear of the oxygen line. All oxygen tubing shall be secured yet shall be still accessible for maintenance. Oxygen shall be piped to self-sealing oxygen outlets. The system shall be tested prior to delivery and the results of the test shall be provided with the end user documentation.

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
30.02	Oxygen Outlets, Quick Connect, Three (3) Three (3) Quick Connect surface mounted oxygen outlets shall be installed in ambulance. Two (2) shall be installed on the medical center wall in the main one (1) shall be located on the curbside wall towards the forward end of the These outlets shall be tested prior to delivery of the ambulance.	action a	rea and
	Exact location of the oxygen outlets shall be agreed upon prior to construction	on.	
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
30.03	Oxygen Tank Storage The oxygen tank shall be stored in an inside an aluminum cabinet next to the door. The cylinder shall be able to be accessed and removed from the outsic compartment. The regulator shall be accessible by a Lexan window form seating position without opening the main cabinet door.	de of the	patient
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
30.04	Oxygen Tank Bracket A universal oxygen cylinder bracket shall be installed in the oxygen accommodate either an "M" or "K" size of oxygen cylinder. This bracket statement to reinforcement mounting plates.	compart hall be	ment to securely
	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
30.05	One (1) RICO RS4 electrically-controlled suction system shall be installed compartment. The outlet shall be on the action area wall with the control in panel. The Thomas brand suction pump shall be located behind the street side be easily accessible for maintenance. It shall be securely mounted with eliminate any unnecessary noise. A vacuum indicator gauge ranging from the shall be provided.	n the rea de cabin rubber	etry and pads to

	Does your bid comply with the specification as written?	Y	N
	Does your proposal include an exception to this requirement?	Y	N
31.	VARIOUS		
31.01	Signs and Instructions All required signs, instruction plates, and labels related to the electrical permanently attached and easy to read. All signage and labeling shall be reextreme temperatures (-30°F (-25°C) and 176°F (80°C)), and ultra violet labels shall meet the UL 969, Standard for Marking and Labeling Systems. A relating to safety or critical operational instructions shall be reflective or illegations.	radiatio Il exter	n. These ior labels
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
31.02	Delivery Bidders shall be responsible for delivery to Anderson County, TN		
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
31.03	Brog Lights Bidders shall install LED lightbar version fog lights on chassis front bumpe	er area.	
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
31.0	4 Ford FIN GPC discount per State of TN Discount shall be applied by bidder.		
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
31.0	5 360-degree Birds Eye Cameras Provide and install 360-degree surround view camera system to replace system. Must have video monitor installed in cab, in easy view area of dri	e backu ver.	p camera
	Does your bid comply with the specification as written?	Y	_ N
	Does your proposal include an exception to this requirement?	Y	_ N
31.0	6 Rear Window Privacy Covering Install of privacy window covering on rear windows of patient compartment be permanent, and is to allow limited to no viewing into patient compartment interior viewing outside of patient compartment.	nt. Cov ent, but	ering is to ability o
	Vendor Name:		

References for this sp	ecific design ar	nbulance – n		Y	N
CUSTOMER	CONTACT		o exceptions		
	CONTACT	STATE	MANF	TITLE	#
Does your bid comply	with the speci	fication as wr	itten?	Y	N
OPTIONS Purpose of the included in the bid appropriate on these options. Ander	roval. It is not	a bid requiren	nent to respo	nd or provide	informati
them individually.					
Lifepak 15 Cardiac M Technimount system B	Bracket Pro Seri				
anodized surface base, 00-PC15).					
anodized surface base,	Model #6252 w	rith IV pole cli	ip, foot suppo	ort and vinyl h	ead
anodized surface base, 00-PC15). Stryker Stair Chair Stryker Stair Chair Pro	Model # 6506 w Wheel Locks, 3	rith XPS, inclustage IV Pole	nding Backre	st Storage Pou Hook, Head E	ich, Head End O2

Exact location to be determined at pre-construction

32.05 Alternate chassis model

Replace Ford Transit T250 gas chassis as previously specified, with that of the Ford Transit T250 AWD gas chassis.

32.06 Custom graphics, striping, lettering

Bidder to provide graphics package per state of Tennessee requirements. Bidders are encouraged to contact purchasing with specific questions regarding layout to match existing fleet.

32.07 Rumbler style low frequency siren

Installation of low frequency siren.

32.08 MedixSafe

MS1 model PIN pad and proximity card reader narcotic safe. To be installed by manufacturer in location approved by County.

32.09 GPS

In dash GPS system for front cab.

32.10 Patient Compartment Shelf Dividers

Install of shelf dividers on interior patient compartment storage cabinets.

32.11 Brush Guard

GoRhino brush guard, black in color,

V	end	or i	N	ame	:															

Bid #2102 Bid Proposal Form

Has the bidder taken any exceptions to the specifications? YESNO
Are all deviations from specifications explained as required? YESNO
All deviations must be detailed on the "Exceptions Sheet"
Number of days for Project Completion after issuance of a Purchase Order:
Vendor Name:
Manufacturer:
Address:
Signature:
Authorized Representative:
Print Name:
Title:
Date:
Telephone Number:
Email Address:
Bid Price for Type III:
Bid Price for Transit:

Additional Options Prices FOR Type III:

1.	Purchase and installation of a Stryker Power Load cot fastening system.
Price:	
	Stryker Stair Chair Pro Model #6252 with IV pole clip, foot support and vinyl head support.
Price	
1 1100	
3.	Ferno PowerTraxx EZ Glide with one additional battery, battery charger, rear lifting handles, headrest and IV pole.
Price	
1 1100.	<u> </u>
4.	Stryker Power Pro XT Model # 6506 with XPS, including Backrest Storage Pouch, Head End Storage Flat, Dual Wheel Locks, 3 stage IV Pole, Equipment Hook, Head End O2 Holder, G Rated Bolster Mattress, knee gatch and the Stryker Smart Power System.
Price:	
5.	MS1 model PIN pad and proximity card reader narcotic safe. To be installed by manufacturer in location approved by County.
Price:	
=	
	Installation of low frequency siren.
7.	In dash GPS system for front cab.
Price:	
·	

Additional Options Prices for Transit:

1. Lifepak 15 Cardiac Monitor Mount Technimount system Bracket Pro Serie 35 complete assembly support includes

	standard anodized surface base, support device section, hardware and instruction (part number 210-00-PC15).
	Price;
2.	Stryker Stair Chair
	Stryker Stair Chair Pro Model #6252 with IV pole clip, foot support and vinyl head support.
	Price:
3.	Stryker Power Cot
	Stryker Power Pro XT Model # 6506 with XPS, including Backrest Storage Pouch, Head End Storage Flat, Dual Wheel Locks, 3 stage IV Pole, Equipment Hook, Head End O2 Holder, G Rated Bolster Mattress, knee-gatch and the Stryker Smart Power System.
I	Price:
4.	USB charging outlets in cab and module – Two (2) each

Exact location to be determined at pre-construction Price: ______

5. Alternate chassis model

Replace Ford Transit T250 gas chassis as previously specified, with that of the Ford Transit T250 AWD gas chassis.

Price: _____

6. Custom graphics, striping, lettering

Bidder to provide graphics package per state of Tennessee requirements. Bidders are encouraged to contact purchasing with specific questions regarding layout to match existing fleet.

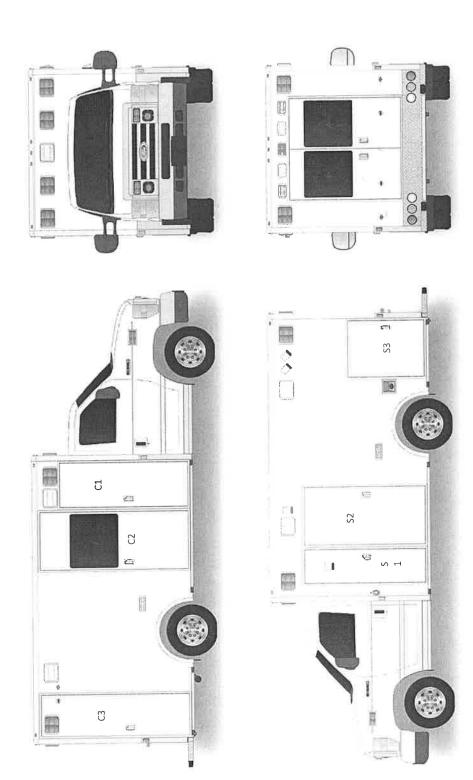
Price:				

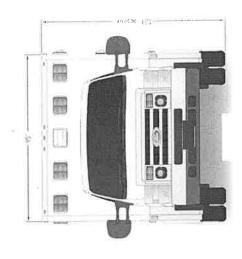
Additional Options Prices for Transit:

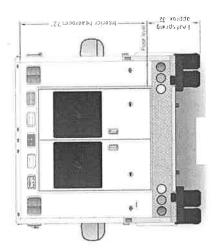
7.	Rumbler style low frequency siren
	Installation of low frequency siren.
	Price:
8.	MedixSafe
	MS1 model PIN pad and proximity card reader narcotic safe. To be installed by manufacturer in location approved by County.
	Price:
9.	GPS
	In dash GPS system for front cab.
	Price:
10	. Patient Compartment Shelf Dividers
	Install of shelf dividers on interior patient compartment storage cabinets.
	Price:
11	. Brush Guard
(GoRhino brush guard, black in color,
l	Price:

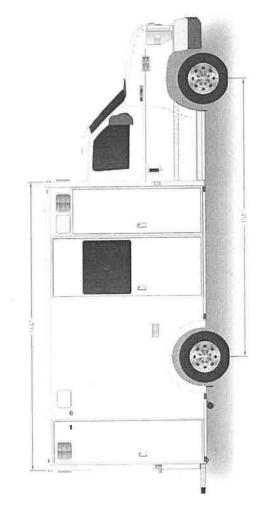
EXCEPTIONS SHEET

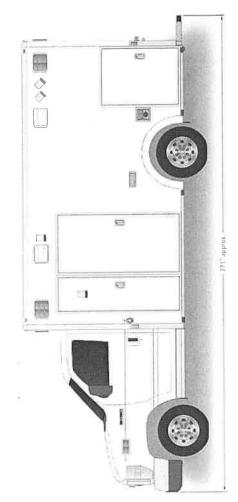
Each bidder may copy the Each exception must redetail.	nis form, as necessa ference the Paragr	ary to list all exception aph Number and Lind	s to the specifications. e and be explained in
VENDOR NAME:	1 		
SPECIFICATION PAGE:		NOT AVAILABLE.	EVEL AMATION
SPECIFICATION PAGE:	REFERENCE #	NOT AVAILABLE:	EXPLANATION:

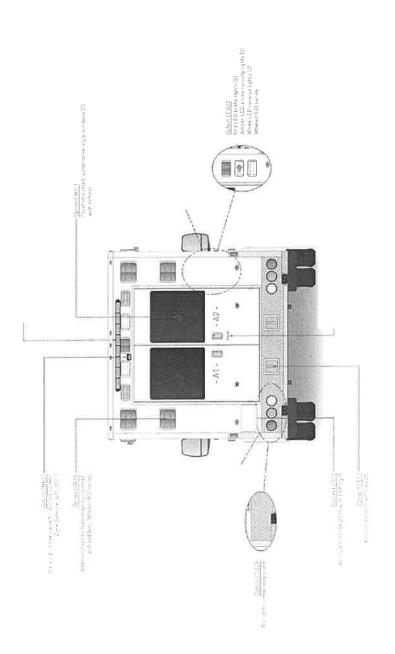




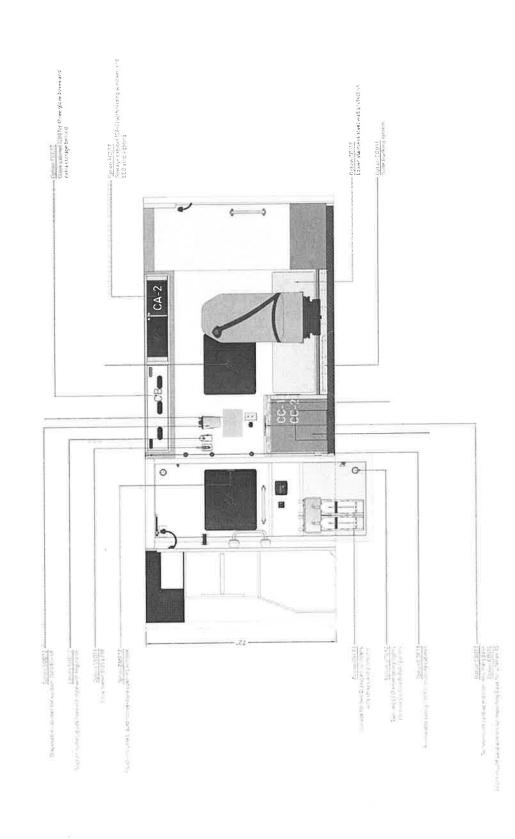






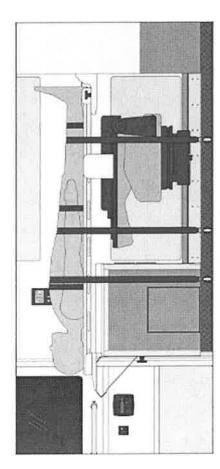


Curbside layout



TYPE III (4X2) DRW DRAWINGS

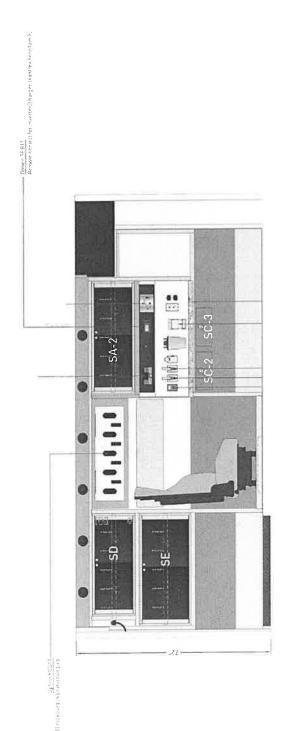
Backboard for possible second patient



Option CDB15

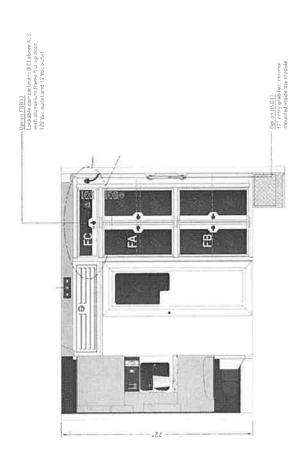
The End pattent mounted on backboard is instalted and secured with foldable support on realinet strange.

Alternate street side layout

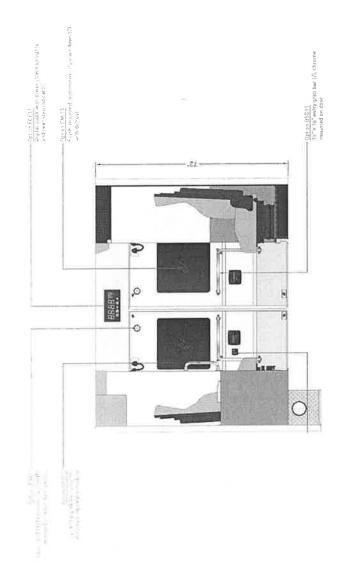


TYPE III (4X2) DRW DRAWINGS

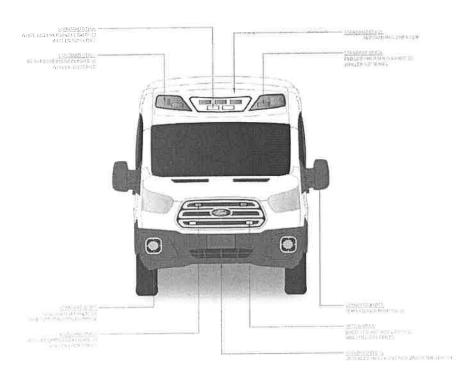
ALS cabinet and pass through door



Rear patient compartment entry with alternate seating

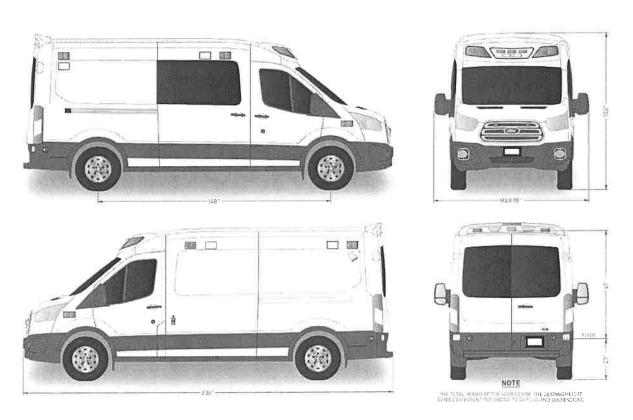


Chassis front



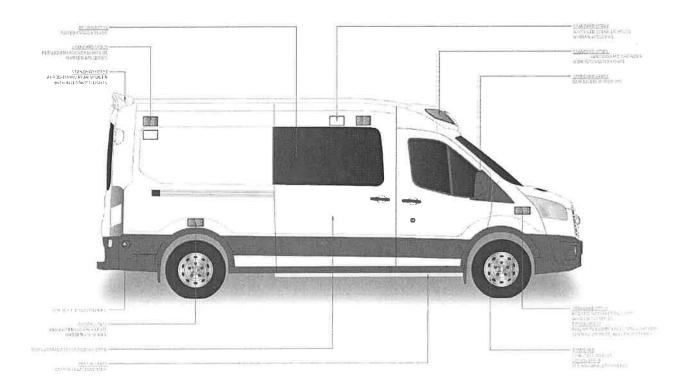
Type II Transit Drawings

Chassis measurements

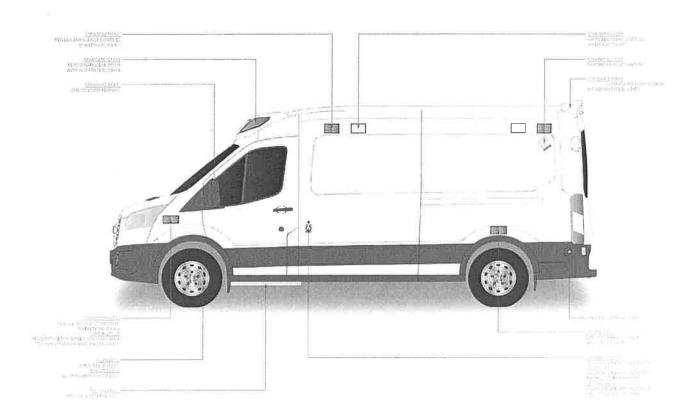


Type II Transit Drawings

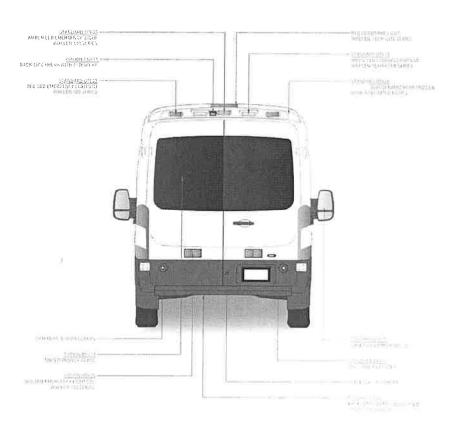
Curb side chassis



Street side chassis

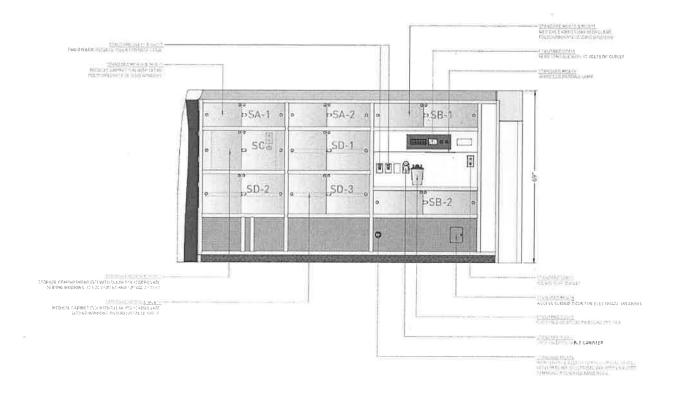


Rear chassis

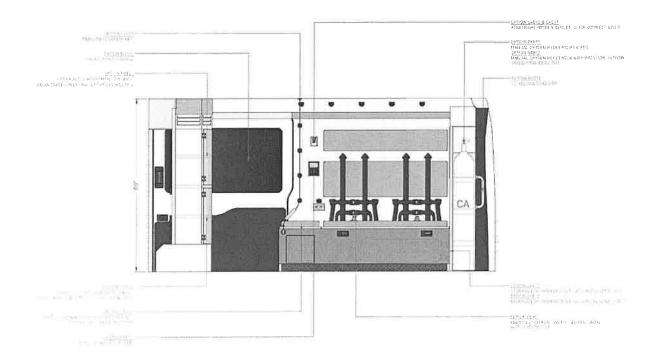


Type II Transit Drawings

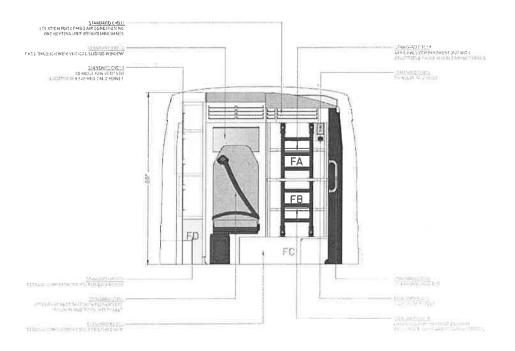
Street side cabinet layout



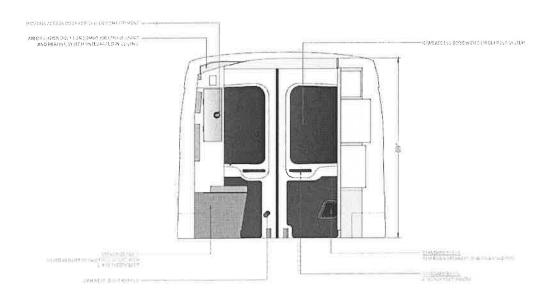
Curb side seating



ALS cabinet and airway seat



Rear door access interior patient compartment



Attachment 1 BID NUMBER: 2102 – Type III Ambulance and Type II Transit Van

SECTION 1 - BID INFORMATION	SECTION 2 - VENDOR INFORMATION
Acknowledgment of Addenda: (Write "Yes" if received)	Vendor Name
Addenda 1 Addenda 2 Addenda 3 Addenda 4	Vendor Address
	City
	State Zip
	Telephone Number
	Contact Person (Please Print)
	E-Mail Address
	Taxpayer Identification Number, Social Security or Employer Identification Number:
	State of Tennessee Business License Number: License #
	l agree to abide by all Terms and Conditions of this Invitation to Bid and certify that I am authorized to sign this bid for the vendor. Failure to include any information mentioned in the bid or to comply with these bid instructions may result in rejection of your entire bid. Signing this form affirms that the original Invitation for Bid document has not been altered in any way.
	Authorizing Signature: (Please sign original in blue ink)
	(

Attachment 2

Non-Collusion Affidavit

- This Non-Collusion Affidavit is material to any contract awarded pursuant to this bid.
- This Non-Collusion Affidavit must be executed by the member, officer, or employee of the bidder who makes the final decision on prices and the amount quoted in the bid.
- Bid rigging and other efforts to restrain competition and the making of false sworn statements in connection
 with the submission of bids are unlawful and may be subject to criminal prosecution. The person who signs
 the affidavit should examine it carefully before signing and assure himself or herself that such statement is
 true and accurate, making diligent inquiry, as necessary, of all other persons employed by or associated with
 the bidder with responsibilities for the preparation, approval, or submission of the bid.
- In the case of a bid submitted by a joint venture, each party to the venture must be identified in the bid documents, and an affidavit must be submitted separately on behalf of each party.
- The term "complementary bid" as used in the affidavit has the meaning commonly associated with that term in the bidding process and includes the knowing submission of bids higher than the bid of another firm, an intentionally high or noncompetitive bid, and any other form of bid submitted for the purpose of giving a false appearance of competition.

Non-Collusion Affidavit

• Failure to file an affidavit in compliance with these instructions may result in disqualification of the bid.

STATE OF	
COUNTY OF	
I state that I am (Title) of and that I am authorized to make this affidavit on behat the person responsible in my firm to the price(s) and the price of th	olf of my firm and its owners, directors, and officers. Lam
 It it is bid, have been disclosed to any other firm of not be disclosed before bid opening. No attempt has been made or will be made to induce contract, or to submit a bid higher than this bid, or other form of complementary bid. The bid of my firm is made in good faith and not purfrom, any firm or person to submit a complementary. (Name of My Firm)	neither the approximate price(s) nor approximate amount or person who is a bidder or potential bidder, and they will be ceany firm or person to refrain from bidding on this to submit any intentionally high or noncompetitive bid or arsuant to any agreement or discussion with, or inducement by or other noncompetitive bid.
Representative's Signature	Title
Sworn to and subscribed before me this d	
Notary Public	My commission expires:

Attachment 3



DIVERSITY BUSINESS INFORMATION

Definitions for Determining Minority, Women And Small-Owned Firms

The guidelines for determining minority, women and small-owned firms are defined as follows:

"MINORITY" means a person who is a citizen or lawful permanent resident of the United States and who is:

- o Black (a person having origins in any of the black racial groups of Africa);
- Hispanic (a person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race);
- o Asian American (a person having origins in any of the original peoples of the Far East, Southeast
- o Asia, the Indian subcontinent, or the Pacific Islands); or
- o American Indian and Alaskan Native (a person having origins in any of the original peoples of North America).

"MINORITY BUSINESS ENTERPRISE" shall mean a minority business:

A continuing, independent, for profit business which performs a commercially useful function, and is at least 51 percent owned and controlled by one or more minority individuals; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned and controlled by one or more minorities. Whose management and daily business operations are controlled by one or more of minority individuals. "Control" as used in the above clause, means exercising the power to make policy decision. "Operate," as used in the above clause, means being actively involved in the day-to-day management of the business.

"WOMEN BUSINESS ENTERPRISE" shall mean women business:

A continuing, independent, for profit business which performs a commercially useful function, and which is at least 51 percent owned and controlled by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned and controlled by one or more women. Whose management and daily business operations are controlled by one or more of such individuals. "Control" as used in the above clause, means exercising the power to make policy decision. "Operate," as used in the above clause, means being actively involved in the day-to-day management of the business.

DIVERSITY BUSINESS INFORMATION ANDERSON COUNTY GOVERNMENT

NOTE: This form is to be submitted only by those who qualify. Bidders do not have to be a minority business to be considered.

IMPORTANT! NOTARY AND COPY OF CERTIFICATION REQUIRED

SECTION 6 – DIVER	RSITY INFORMATION]						
VENDOR/CONTRACT	OR NAME:							
Type of Company: (Ch	neck One)							
() Corporation	() Partnership () Li	mited Liability () Sole Proprietor					
Is your company 51% C	Owned or Operated by a Minorit	y Group? Yes No	D					
If yes, check the ethnic category and indicate % of ownership:								
	American Indian/Alaskan Native African American% Hispanic% Asian/Pacific Islander% Other%							
Please name the entity	Please name the entity of certification:							
Please provide copy of certification letter or certificate								
I HEDERY CEPTIEV THAT TH	IE ABOVE INFORMATION IS TRUE AND	COMPLETE TO THE REST	JE MY KNOWLEDGE					
I, HEREDI CERMIT MATM	IE ABOVE INI ORMATION IS TRUE AND	COMPLETE TO THE BEST	of Mil Kitowilloc.					
	E ABOVE INI ORMATION 13 TRUE AND							
Signature:		OFFICER C	OF THE COMPANY					
Signature:		OFFICER C	OF THE COMPANY					
Signature:	Tit	OFFICER C	OF THE COMPANY					
Signature: Name: STATE OF	NOTARY ACKNOW	OFFICER C	OF THE COMPANY					
Signature: Name: STATE OF COUNTY OF	NOTARY ACKNOW	OFFICER C	OF THE COMPANY					
Signature: Name: STATE OF COUNTY OF ON PERSONALLY APPEARED SATISFACTORY EVIDENCE) TO ACKNOWLEDGED TO ME THA	NOTARY ACKNOW	OFFICER OFFICE	OF THE COMPANY OR PROVED TO ME ON THE BASIS OF INSTRUMENT AND CAPACITY (IES), AND THAT BY					
Signature:	NOTARY ACKNOW NOTARY ACKNOW ,20, BEFO , PER D BE THE PERSON(S) WHOSE NAME(S) IS/AR AT HE/SHE/ THEY EXECUTED THE SAME IN H	OFFICER OFFICE	OF THE COMPANY OR PROVED TO ME ON THE BASIS OF INSTRUMENT AND CAPACITY (IES), AND THAT BY					
Signature:	NOTARY ACKNOW NOTARY ACKNOW ,20, BEFO , PER D BE THE PERSON(S) WHOSE NAME(S) IS/AR AT HE/SHE/ THEY EXECUTED THE SAME IN H ON THE INSTRUMENT THE PERSON(S), OR T	OFFICER OFFICER OFFICER OFFICER OFFICER OFFICER OFFICIAL SEAL.	OF THE COMPANY OR PROVED TO ME ON THE BASIS OF INSTRUMENT AND CAPACITY (IES), AND THAT BY WHICH THE PERSON (S) ACTED,					

MY COMMISION EXPIRES:_____

Attachment 4 Insurance Requirement Acknowledgment

The bidder awarded this bid or contract will maintain, at their expense adequate insurance coverage to protect them from claims arising under the Worker's Compensation Act, any and all claims for bodily injury and property damage to the Bidder and to Anderson County Government while delivery and service are being done. A certificate of insurance <u>must</u> be on file in the Purchasing Department before work may begin and must be maintained until work is completed.

Only the items marked with an "X" are applicable to this bid and or contract.

1.	\boxtimes	Workers Compensation Employers Liability	Statutory limits 100,000/100,000/500,000
2.	\boxtimes	Commercial General Liability	\$1,00,000 per occurrence \$10,000,000 aggregate
		 ✓ Occurrence Form Only ✓ Include Premises Liability ✓ Include Contractual ✓ Include XCU ✓ Include Products and Completed Operation ✓ Include Personal Injury ✓ Include Independent Contractors ✓ Include Vendors Liability ✓ Include Professional or E&O Liability 	perations
3.		Business Auto Include Garage Liability Include Garage Keepers Liability Copy of Valid Driver's License Copy of Current Motor Vehicle Reco	
4.		Crime Coverages Employee Dishonesty Employee Dishonesty Bond	
5.		Property Coverages Builders Risk Inland Marine Transportation	
		Performance Bond Required – A <u>One Hun</u> of Anderson County Government at a federall r issued.	dred Percent (100%) performance or an irrevocable letter of y insured financial institution. This <u>MUST</u> be submitted before
Anders auto. certificathe ab	on Coul Insurand ate shou ove req	nty Government shall be named as an addition ce carrier ratings shall have a Best's rating Ild strike out "endeavor to" and include a 30-da	r, Clinton, Tennessee, and shall show the bid number and title. In all insured on all policies except worker's compensation and of A-VII or better, or its equivalent. Cancellation clause on y notice of cancellation where applicable. Any deviations from son County Purchasing Agent. Any liability deductibles or ted if applicable.
days if	rstand the awarde	ne insurance requirements of these specificated this bid and or contract. I agree to furnish t	nt and Certification tions and will comply in full within 21 (twenty-one) calendar he county with proof of insurance for the entire term of the bid
	2 	Vendor Name	Authorized Signature
	Bid Re	enresentative Name (Please Print)	Date

General Terms and Conditions

BID ENVELOPE SUBMISSION INSTRUCTIONS:

Bids are to be received in a sealed envelope/package with the bid number, company name and opening date clearly marked. Failure to comply may result in rejection of the entire bid. Anderson County will not be responsible for any lost or misdirected mail. Late bids, e-mailed bids and faxed bids will not be considered nor returned. It is the sole responsibility of the bidder to ensure their bid is delivered to the Purchasing Department.

Please note that Anderson County Government does not receive a guaranteed delivery time for express mail and/or packages. PLEASE MAIL ACCORDINGLY.

ANDERSON COUNTY FINANCE DEPARTMENT 100 NORTH MAIN STREET, SUITES 214 AND 218 CLINTON, TN 37716

Email: <u>purchasing@andersontn.org</u>
Website: <u>http://andersontn.org/purchasing</u>

(865) 457-6218 Phone (865) 457-6252 Fax

Bid documents must be completed in ink or typed, signed in ink, and free from alterations, erasures or mark-throughs.

SECTION 1 - GENERAL TERMS AND CONDITIONS

- **1.1** <u>ALTERATIONS OR AMENDMENTS:</u> Alterations, amendments, changes, modifications or additions to this solicitation shall not be binding on Anderson County without prior written approval.
- **1.2 NO CONTACT POLICY:** After vendor receives a copy of this bid, any contact initiated by any vendor with any Anderson County representative, other than the Purchasing Department, concerning this invitation for bid is prohibited and agreements made thereto will not be considered binding on Anderson County. Any such unauthorized contact may cause the disqualification of the bidder from this procurement transaction.
- **1.3 QUESTIONS:** Pursuant to TCA §12-4-113, questions regarding the specifications or bid procedures must be received by the Purchasing Agent and/or designer no less than ninety-six (96) hours before the bid opening date. No addenda within less than forty-eight (48) hours of the bid opening date shall be permitted. Any questions concerning the bid document must be submitted to purchasing@andersontn.org no less than ninety-six (96) hours before bid opening date.
- 1.4 BID CLOCK: The bid/time clock in the Anderson County Purchasing office will be the time of record.
- **1.5** <u>TAXES</u>: Anderson County is not liable for Federal excise or State sales tax. Tax exemption certificates will be provided upon request.

- **1.6** <u>CONFLICT OF INTEREST:</u> If requested by the Purchasing Agent, vendors must complete and submit a "Conflict of Interest Affidavit Statement" prior to contract award, see T.C.A. 5-14-114 and T. C. A. 12-4-101.
- 1.7 NON-COLLUSION: Vendors, by submitting a signed bid, certify that the accompanying bid is not the result of, or affected by, any unlawful act of collusion with any other person or company engaged in the same line of business or commerce, or any other fraudulent act punishable under Tennessee or United States law.
- **1.8 NON-DISCRIMINATION:** Contracted vendors will not discriminate against any employee or applicant for employment because of race, religion, sex, national origin or disability except where religion, sex, national origin or disability is a bona fide occupational qualification reasonably necessary to the normal operation of the contractor.
- 1.9 <u>SAME AS OR EQUIVALENT TO:</u> Vendors are to bid as specified herein or propose an approved equal. Determination of equality is solely Anderson County's responsibility. Any designated brands are for reference purpose only, not a statement of preference. When an alternate manufacturer, brand, model or make is bid, Anderson County will determine if the item bid meets or exceeds the items as specified. If the bidder does not indicate that an alternate manufacturer, brand, model or make is being bid, it is understood that the item(s) bid are the same manufacturer, brand, model or make as requested in the Invitation to Bid. Comparable products of other manufacturers will be considered if proof of comparability is contained in the bid submission. It shall be the responsibility of the vendors, including vendors whose product is referenced to furnish upon request catalog pages, brochures or other data to provide an adequate basis for determining the quality and functional capabilities of the product offered. Failure to provide this data may be considered valid justification for rejection of bid.
- 1.10 MULTIPLE BIDS/AWARDS: Anderson County may consider multiple bid awards.
- 1.11 STATE OF TENNESSEE CONTRACTORS' LICENSE LAW (T.C.A. 62-6-119) b): Bids for which the total cost of the project is twenty-five thousand dollars (\$25,000) or more, the outside of the sealed bid envelope/package containing the bid provides the following information: the Company Name, the Contractor's license number, license classification, the date of the license expiration and that part of each license classification applying to the bid. In addition, each heating ventilation or air conditioning, plumbing and electrical subcontractor's license number, date of the license expiration and that part of each classification applying to the bid if the value of the work is \$25,000 or greater, must be notated. If the value of either the contractor or the subcontractor's work is less than \$25,000, the bid envelope/package containing the bid is to be notated with the phrase "Contractor or Subcontractor's Bid is Less than \$25,000" after each appropriate heading. In the case of joint ventures, each party submitting the bid must provide this information. If no subcontractors are being used, the outside of the envelope/package containing the bid must state, "No Subcontractors are being used on this project."
- **1.12 ACCEPTANCE:** Vendors shall hold their price firm and subject to acceptance by Anderson County for a minimum period of sixty (60) working days from the date of the bid opening, unless otherwise indicated in their bid. Any or all bids may be rejected for good cause.
- **1.13 BID AWARDS:** Bids will be awarded to the lowest and best bidder, taking into consideration the qualities of the articles to be supplied, their conformity with specifications and their suitability to the requirements of Anderson County and the delivery terms. Anderson County also reserves the right to not award this bid.
- **1.14 <u>BIDDER'S MINIMUM QUALIFICATIONS</u>**: Bidders must have the resources and capability to provide the materials and services as described in the solicitation. Anderson County reserves the right to request additional information and/or material not specified as a bid requirement from any bidder to confirm qualifications.
- **1.15 DEBARMENT**: By submitting a response to this solicitation, bidders are certifying that bidder is not currently debarred from doing business with any local or state Government or the Federal Government. Bidders shall provide documentation relating to any and all debarments that occurred within the last ten

years. The County will search the "System for Award Management" for federally excluded vendors before awarding a bid.

1.16 PROTEST: Any vendor wishing to protest the bid award shall notify in writing the Anderson County Purchasing Agent and the County Law Director, 101 S. Main Street, Suite 310, Clinton, TN 37716. No protest will be accepted, except those protests made in writing and received within (10) ten calendar days of the bid award. Protests must be in writing and envelopes/package containing protest must be clearly marked with bid number and words "BID PROTEST". The Purchasing Agent, in conjunction with the Purchasing Committee, and with the advice and counsel of the County Law Director, shall review and make a final decision as to any bid protest. Appeals shall be filed in the Circuit or Chancery Courts of Anderson County within sixty (60) days of the final decision.

VENDORS PLEASE NOTE: ANDERSON COUNTY WILL NOT STOP THE PURCHASE PROCESS. THE PURCHASE MAY BE COMPLETED OR THE PROJECT MAY BE RE-BID WHILE THE PROTEST PROCEDURE IS STILL IN OPERATION. IF A RE-BID IS MADE, THE PROTESTING VENDOR SHOULD SUBMIT A NEW BID. OTHERWISE, THEY WILL BE WITHOUT A BID ON THE RE-BID. FURTHER, THE RE-BIDDING WILL NOT END THE APPEALS PROCESS. IT WILL CONTINUE UNTIL A FINAL DECISION IS REACHED OR THE COMPLAINANT WITHDRAWS THE APPEAL.

- **1.17 DELIVERY:** Bid pricing is to include complete supply and delivery to Anderson County, Tennessee. Vendors are to state the delivery time in the bid. Anderson County requires that vendors deliver all products "free on board" to final destination unless indicated otherwise in the bid requirements.
- 1.18 PROOF OF FINANCIAL AND BUSINESS CAPABILITY: Bidders must, upon the request of Anderson County, provide satisfactory evidence of their ability to furnish products or services in accordance with the terms and conditions of these specifications. Anderson County will make the final determination as to the bidder's ability.
- **1.19 VENDOR'S DEFAULT:** Anderson County reserves the right, in case of vendor default, to procure the articles or services from other sources and hold the defaulting vendor responsible for any excess costs occasioned thereby.
- **1.20 <u>DUPLICATE COPIES</u>**: Vendors are to submit one original and at least one exact copy of their bids, including brochures; unless additional copies are requested in bid specifications.
- 1.21 <u>DRUG-FREE WORKPLACE</u>: Under the provisions of Tennessee Code Annotated §50-9-113 enacted by the General Assembly effective 2001, all employers with five (5) or more employees who contract with either the state or a local government to provide construction services are required to submit an affidavit stating that they have a drug free workplace program that complies with Title 50, Chapter 9, in effect at the time of submission of a bid at least to the extent required of governmental entities. The statute imposes other requirements on the contractor and contractors should consult private legal counsel if legal questions arise under this section or any other provision of this document. All contractors with five (5) or more employees that will be providing construction services are to return the provided written affidavit signed by the principal officer of a covered employer acknowledging that the contracting entity is in compliance with the Drug Free Workplace laws of State of Tennessee.
- **1.22** <u>COMPETITION INTENDED:</u> It is the responsibility of the bidder to review the entire Invitation to Bid document and to notify the Purchasing Department if the Invitation to Bid is formulated in a manner that would unnecessarily restrict competition or if it is ambiguous in what is being requested. The Purchasing Agent must receive questions regarding the specifications or bid procedures no less than ninety-six (96) hours prior to the time set for the bid opening.
- 1.23 <u>SCHOOL CAFETERIA BIDS:</u> If this bid is for Anderson County School's Cafeteria Food Service Department, bidders must be in compliance with Section 104(d) of the William F. Goodling Child Nutrition Reauthorization Act of 1998 which requires school and institutions participating in the National School Lunch Program (NSLP) and School Breakfast Program (SBP) to "Buy American" to the maximum extent practicable.

- **1.24 <u>TERMINATION</u>**: Anderson County reserves the right to terminate contracts in whole or in part with thirty (30) days written notification to the contractor. In the event of termination, the County shall not be liable for any costs other than the cost of services performed and materials delivered and accepted prior to termination date.
- **1.25** OSHA SAFETY: The Vendor is responsible for training their employees in Safety and Health Regulations for the job, assuring compliance with Tennessee Occupational Safety and Health regulations and any other Regulatory Agency.
- **1.26 PERFORMANCE BOND:** A standard surety or performance bond or an irrevocable letter of credit in favor of Anderson County Government at a federally insured financial institution will be required to be submitted with bid, if indicated in section four, item six insurance requirement checklist.
- 1.27 <u>BACKGROUND CHECKS</u>: Contractors shall comply with Public Chapter 587 of 2007, as codified in Tennessee Code Annotated Section 49-5-413, which requires all contractors to facilitate a criminal history records check conducted by the Tennessee Bureau of Investigation and the Federal Bureau of Investigation for each employee prior to permitting the employee to have contact with students or enter school grounds when students are present.
- **1.28** <u>AWARD RESULTS:</u> As soon as practicable after proposal or bid evaluations, Anderson County shall post the award decision to Vendor Registry at <u>www.vendorregistry.com</u>. Individual notices are normally not mailed or e-mailed except to the successful vendor.
- **1.29** <u>INDEMNIFICATION/HOLD HARMLESS:</u> Vendor shall indemnify, defend, save and hold harmless Anderson County and, its officers, agents and employees from all suits, claims, actions or damages of any nature brought because of, arising out of, or due to breach of the agreement by Vendor, its subcontractors, suppliers, agents, or employees or due to any negligent act or occurrence or any omission or commission of Vendor, its subcontractors, suppliers, agents or employees.
- **1.30 DECLARATIVE STATEMENT:** Any statement or words (i.e.: must, shall, will, etc.) are declarative statements and the proposer must comply with the condition. Failure to comply with any such condition may result in their bid being non-responsive and disqualified.
- **1.31 WAIVING OF INFORMALITIES:** Anderson County reserves the right to waive minor informalities or technicalities when it is in the best interest of Anderson County.
- **1.32 APPROPRIATION:** Funding for multi-year contracts are subject to budget appropriations. In the event no funds are appropriated by Anderson County for the goods or services in any fiscal year or insufficient funds exist to purchase the goods or services of a contract, then that contract shall expire upon the expenditure of previously appropriated funds or the end of the current fiscal year, whichever occurs first, with no further obligations owed to or by either party.
- **1.33 ASSIGNMENT:** Vendor shall not assign or sub-contract any agreement, its obligations or rights hereunder to any party, company, partnership, incorporation or person without the prior written specific consent of Anderson County.
- 1.34 QUANTITIES: Anderson County does not guarantee quantities to be purchased off this bid.
- **1.35 <u>UNIT PRICE:</u>** In case of discrepancy between any unit price and an extended price, the unit price will be presumed to be correct, subject, however, to correction to the same extent and in the same manner as any other mistake.
- **1.36** MODIFICATION OR WITHDRAWAL OF BIDS: When it is certain that a mistake has been made in the preparation of the bid, a request will be made to the bidder to confirm the bid. Provisions must be made so that mistakes can be taken care of and the ambiguity resolved satisfactorily. Bids may be modified or withdrawn by written notice received in the Purchasing Department prior to the time and date set for the bid

opening. The changes or withdrawal of the bids shall be in writing and signed by an official of the company. The envelope containing the modification should clearly state "modification to bid." Either the entire bid or a particular item may be withdrawn or modified in this manner.

- **1.37 PRE-BID CONFERENCES:** Attendance at Pre-bid Conferences is strongly encouraged. When deemed necessary a Mandatory Pre-bid Conference will be held. A company representative MUST be in attendance and sign the Pre-bid sign-in sheet in order to be considered for bid award.
- 1.38 ADDENDUM: § T.C.A. 12-14-113 Anderson County Government reserves the right to amend this solicitation by addendum. Addenda will be posted to the vendor registry up to 48 hours in advance of the bid/proposals due date and time. It is the bidder's responsibility to check the website for addendum. If in the County's opinion revisions are of such a magnitude, the deadline for this solicitation may be extended in an addendum. Addenda may change specifications, reply sheets, and times and dates for pre-bid meetings as well as due dates/deadlines for questions and bids/proposals.
- **1.39 OWNERSHIP**: All bids, once received, become property of Anderson County Government and will not be returned.
- **1.40 WEATHER AND COURTHOUSE CLOSINGS:** In the event of a situation severe enough to necessitate the closing of Anderson County Government offices during a planned bid opening, vendors will receive notification of the new date and time upon re-opening of county government offices. No bids will be opened until the rescheduled date for bid opening and all bidders/proposers whose submissions meet the extended deadline will be given equal consideration at that time. Anderson County shall not be liable for any commercial carrier's decision regarding deliveries during inclement weather.
- 1.41 IRAN DIVESTMENT ACT OF 2014: Pursuant to the Iran Divestment Act of 2014, Tenn. Code Ann. § 12-12-106 requires the State of Tennessee Chief Procurement Officer to publish, using creditable information freely available to the public, a list of persons it determines engage in investment activities in Iran, as described in § 12-12-105. Inclusion on this list makes a person ineligible to contract with Anderson County; if a person ceases its engagement in investment activities in Iran, it may be removed from the list. The State of Tennessee list is available here: http://tennessee.gov/generalservices/article/Public-Information-library.