

COUNTY OF NEWBERRY
Purchasing Department, Post Office Box 156, Newberry, SC 29108
Ph: (803) 321-2100 / Fax: (803) 321-2102

INVITATION FOR BIDS

BID NUMBER:2019-17

DATE: September 18, 2019

OPENING DATE AND TIME: October 9, 2019 @ 3:00 p.m.

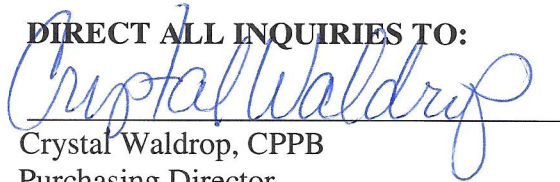
SUBMITTAL ADDRESS:

Newberry County Courthouse Annex, 1309 College Street, Newberry (Hand Delivered)
Post Office Box 156, Newberry SC 29108
(US Postal Service Delivered)

PROCUREMENT FOR: Two (2) EMS Ambulance Re-Mounts

Subject to the conditions, provisions and the enclosed specifications, sealed bids will be received at this office until the stated date and time and then publicly opened. Any bid received after the scheduled deadline, will be immediately disqualified. The County assumes no responsibility for the delivery of bids which are mailed. BID NUMBER MUST BE SHOWN ON THE OUTSIDE OF ENVELOPE.

DIRECT ALL INQUIRIES TO:



Crystal Waldrop, CPPB
Purchasing Director
Post Office Box 156
Newberry SC 29108

NOTICE TO BIDDERS: Each bidder shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this bid. The failure or omission of a bidder to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this bid. All amendments to and interpretations of this solicitation shall be in writing and issued by the Purchasing Director of the County. Newberry County shall not be legally bound by an amendment or interpretation that is not in writing.

COUNTY OF NEWBERRY
Purchasing Office, 1309 College Street, Post Office Box 156, Newberry S.C. 29108
Ph: (803) 321-2100 / Fax: (803) 321-2102

<i>BIDDERS SCHEDULE</i>

BID NUMBER: 2019-17

DATE: September 18, 2019

OPENING DATE AND TIME: October 9, 2019 @ 3:00 p.m.

DEADLINE FOR SUBMITTING QUESTIONS: October 2, 2019 by 4:00 p.m.

Via email to: cwaldrop@newberrycounty.net

OPENING LOCATION: Newberry County Courthouse Annex, Conference Room
1309 College Street
Newberry, SC 29108

PROCUREMENT: Two (2) EMS Ambulance Re-Mounts

Base Bid \$ _____

***Bids shall be good for forty-five (45) days from the date of submittal**

VENDOR: _____ **SIGNATURE:** _____

Name of Authorized Contact: _____

Email Address: _____

Address: _____

Phone & Fax: _____

FEIN: _____

Contractor's SC License #: _____

There will NOT be a pre-bid meeting for this solicitation.

This equipment is being purchased on a bond through South State Bank, PO Box 100113, Columbia, SC 29202 and shall be listed as the lien holder on the title and the Certificate of Origin.

INSTRUCTIONS TO BIDDERS

1. Only one copy of bid is required unless otherwise specified.
2. Bids, amendments thereto or withdrawal request must be received by the time advertised for bid openings to be timely filed. It is the vendor's sole responsibility to insure these documents are received by the purchasing office at the time indicated in the bid document.

PLEASE NOTE THE VENDOR IS ULTIMATELY RESPONSIBLE FOR VERIFYING THEY HAVE RECEIVED ANY/ALL ADDENDA PRIOR TO THE BID OPENING.

3. When specifications or descriptive papers are submitted with the bid, enter bidder's name thereon.
4. Submit your signed bid on the bidder's schedule provided. Show bid number on envelope as instructed and the bid name or description. Newberry County accepts no responsibility for unmarked or improperly marked envelopes.
5. Bidders must clearly mark as "Confidential" each part of their bid which they consider to be proprietary information that could be exempt from disclosure under Section 30-4-40 Code of Laws of South Carolina, 1976, as amended, (also known as the Freedom of Information Act). The County reserves the right to determine whether this information should be exempt from disclosure and no legal action may be brought against the County or its agents for its determination in this regard.
6. By submission of a bid, you are guaranteeing that all goods and services meet the requirements of the solicitation during the contract period.
7. Tie bids will be resolved in accordance with the provisions of the Newberry County Purchasing Ordinance.
8. A copy of the bidder's W-9 shall be included in the submission.

GENERAL PROVISIONS

1. The County of Newberry reserves the right to reject any and all bids, to cancel a solicitation, and to waive any technicality if deemed to be in the best interest of the County.
2. Unit prices will govern over extended prices unless otherwise stated in this bid invitation.
3. **PROHIBITION OF GRATUITIES:** South Carolina law and the Newberry County Purchasing Ordinance prohibit the giving of anything of value in return for favors or other preferential treatment in the purchasing process. Bidders should govern themselves accordingly.

4. **BIDDERS QUALIFICATION:**Bidders must, upon request of the county, furnish satisfactory evidence of their ability to furnish products or services in accordance with the terms and conditions of these specifications. The County reserves the right to make the final determination as to the bidder's ability to provide the products or services requested herein. Bidder determined to be irresponsible bidders are not allowed to bid to provide the County goods or services.
5. **BIDDERS RESPONSIBILITY:**Each bidder shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this bid. It is expected that this will sometimes require on-site observation. The failure or omission of a bidder to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this bid or to the contract.
6. **AWARD CRITERIA:**The contract shall be awarded to the lowest responsible and responsive bidder(s) whose bid meets the requirements and criteria set forth in the Invitation for Bid. Award may be made to one or a multiple of bidders, whichever deems to be in the best interest of the County, or unless otherwise stated on the bidder's schedule.
7. **WAIVER:**The County reserves the right to waive any Instruction to Bidders, General or Special Provisions, General or Special Conditions, or specifications deviation if deemed to be in the best interest of the county.
8. **COMPETITION:**This solicitation is intended to promote competition. If any language, specifications, terms and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested vendor to notify the Purchasing Director on in writing within five (5) days prior to the opening date. The solicitation may or may not be changed but a review of such notification will be made prior to the award.
9. **REJECTION:**Ambiguous bids which are uncertain as to terms, delivery, quantity, or compliance with specifications may be rejected or otherwise disregarded if such action is in the best interest of the County.
10. **RIGHT TO PROTEST:** Any prospective bidder, offeror, or contractor, who is aggrieved in connection with the solicitation of a contract shall protest in writing to the Purchasing Director within ten (10) calendar days of the date of issuance of the Invitation to Bid or other solicitation documents, whichever is applicable, or any amendment thereto, if the amendment is at issue. Any actual bidder, offeror, or contractor, who is aggrieved in connection with the intended award or award of a contract, shall protest in writing to the purchasing director within ten (10) calendar days of the notification of intent to award or statement of award.
11. **PROTEST PROCEDURE:** A protest shall be in writing, submitted to the purchasing director, and shall set forth the specific grounds of the protest with enough particularity to give notice to the issues to be decided.

GENERAL CONDITIONS

1. **DEFAULT:** In case of default by the contractor, the County reserves the right to purchase any or all items in default in the open market, charging the contractor with any excessive costs. Should such charge be assessed, no subsequent bids of the defaulting contractor will be considered until the assessed charge has been satisfied.
2. **NON-APPROPRIATION:** Any contract entered into by the County resulting from this bid invitation shall be subject to cancellation without damages or further obligation when funds are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal period or appropriated year.
3. **HOLD HARMLESS AND INSURANCE:** The successful bidder shall indemnify and hold harmless the County of Newberry and all County officers, agents and employees against all suits or claims for personal injury or property damage resulting from, or arising from, the successful bidder's performance of the contract, as well as against any suits or claims of any character brought against the County or its agents or employees by reason of any claim of infringement of any patent, trade mark, trade dress, or copyright, including reimbursement to the County for all attorney's fees and court costs incurred by the County in defending itself or its agents or employees against any such claim or suit. **In addition, the successful bidder will maintain a public liability policy with minimum limits of \$500,000 per occurrence, or \$1,000,000 single limit, for damages arising from acts which occur during the contract period, with the County of Newberry named as an additional insured on the policy; the successful bidder shall also maintain workers compensation and vehicle liability insurance in the amounts required by statutory law.** Proof of such coverage will be provided upon demand or as otherwise provided in the bid specifications.
4. **CONTRACT ADMINISTRATION:** Questions or problems arising after award of this contract shall be directed to the Purchasing Director, P.O. Box 156, Newberry, SC 29108, or by calling 803-321-2100.
5. **FORCE MAJEURE:** The Contractor shall not be liable for any excess costs if the failure to perform the contract arises out of causes beyond the control and without fault or negligence of the contractor. Such causes may include, but are not restricted to acts of God or of a public enemy, acts of Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather; but in every case the failure to perform must be beyond the control and without the fault or negligence of the contractor. If the failure to perform is caused by default of a subcontractor, and if such default arises out of causes beyond the control of both the contractor and subcontractor and without excess costs for failure to perform, unless the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the contractor to meet the required delivery schedule.

6. **PUBLIC RELEASE:** Contractor agrees not to refer to award of this contract in commercial advertising in such a manner as to state or imply that the products or services provided are endorsed or preferred by the User.
7. **QUALITY OF PRODUCT:** Unless otherwise indicated in this bid it is understood and agreed that any items offered or shipped on this bid shall be new, in first class condition, and without defect that all containers shall be new and suitable for storage or shipment, and that prices include standard commercial packaging and shipping to the specified destination in Newberry County. No demonstration models shall be sold as new, without prior written permission of the County.
8. **S.C. LAW CLAUSE:** Upon award of a contract under this bid, the person, partnership, association or corporation to whom the award is made must comply with the laws of South Carolina which require such person or entity to be authorized and/or licensed to do business with this State. Notwithstanding the fact that applicable statutes may exempt or exclude the successful bidder from requirements that it be authorized and/or licensed to do business in this State, by submission of this signed bid, the bidder agrees to subject himself to the jurisdiction and process of the courts of the State of South Carolina as to all matters and disputes arising or to arise under the contract and the performance thereof, including any questions as to the liability for taxes, licenses, or fees levied by the State.
9. **ASSIGNMENT:** No contract or its Provisions may be assigned, sublet, or transferred without the written consent of the Purchasing Director.
10. **AFFIRMATIVE ACTION:** The successful bidder will take affirmative action in complying with all Federal and State requirements concerning fair employment of the handicapped, and concerning the treatment of all employees, without regard or discrimination by reason of race, color, religion, sex, national origin or physical handicap.
11. **DELIVERIES:** Delivery shall be to the EMS Station at 2603 Evans Street, Newberry, SC.
12. **APPROPRIATE S.C. SALES TAXES, FEES AND PERMITS** shall be included in the Vendor's base bid. The South Carolina tax cap for vehicles is \$500.00 and shall be reflected in the final invoice.
13. **PAYMENT TERMS:** Payment will be made when all work is completed and accepted by Newberry County as meeting the specifications here within. **This equipment is being purchased on a bond through South State Bank, PO Box 100113, Columbia, SC 29202 and shall be listed as the lien holder on the title.**

14. **BID BOND:** For each bid in excess of \$25,000.00 each bidder will submit with their bid a bond in the amount of 5% of the total price of the bid submitted. The bid bonds will be returned to the unsuccessful bidders once the county accepts the lowest most responsive bid. If the most responsive bidder fails to perform the responsibility of the bid within 10 days of the award, then the bid bond will be forfeited to the county as liquidated damages and the next lowest bidder will be awarded the bid. Bid bonds may be in the form of a surety, a cashier's check or an unconditional letter of credit in favor of Newberry County issued by a commercial bank in South Carolina.
15. **PERFORMANCE AND PAYMENT BONDS:** The chosen vendor will be required to submit to the County both a performance bond and payment bond in the amount of 100% of the contract price before commencing with the work. **Both bonds will be issued from a surety company with an "A" minimum rating of performance as stated in the most current publication of Best Key Rating Guide, Property Liability.**
16. **Compliance with The South Carolina Illegal Immigration Act:** By submitting an offer, Bidder certifies that it will comply with the applicable requirements of Title 8, Chapter 14 of the South Carolina code of Laws (originally enacted as Section 3 of The South Carolina Illegal Immigration act, 2008 S.C. Act No. 280) and agrees to provide upon request any documentation required to establish either: (a) the applicability of Title 8, Chapter 14 to Bidder and any subcontractor or sub-subcontractors; or (b) the compliance with Title 8, Chapter 14 by Bidder and any subcontractors or sub-subcontractors. Pursuant to Section 8-14-60, "A person who knowingly makes or files any false, fictitious, or fraudulent document, statement, or report pursuant to this chapter is guilty of a felony and, upon conviction, must be fined within the discretion of the court or imprisoned for not more than five years, or both". Bidder agrees to include in any contracts with its sub-contractor's language requiring the subcontractors to (a) comply with the applicable requirements of Title 8, Chapter 14, and (b) include in any contracts with the sub-sub-contractor's language requiring the sub-subcontract to comply with the applicable requirements of Title 8, Chapter 14.

Any and all references in this solicitation for a specific brand is the standard; responses shall be for brand indicated or equivalent. Newberry County will make the final decision as to whether or not equivalent meets the standard.

NEWBERRY COUNTY EMS

Newberry, South Carolina



TWO (2) REMANUFACTURED AMBULANCE SPECIFICATION

**EMERGENCY MEDICAL VEHICLE
TYPE I CLASS 2 (4X2) DRW**

TYPE I AMBULANCE

THESE SPECS ARE BASED AROUND THE
FEDERAL SPECIFICATION KKK-A-1822F,
AMD Standards 001 - 00

It is the intent of these specifications, and all requirements listed herein, to obtain bids on vehicles to meet the local needs of Newberry County EMS and to obtain bids that may be easily and completely evaluated on an equal and competitive basis.

Because of the wide variances in types, configurations, options and models available in the industry, the purpose of these specifications is to set a standard by which all proposals received may be evaluated, studied and compared equitably. Vendors are required to return one (1) copy of these specifications, correctly and completely furnishing all information requested and answering all questions attached. Any requested data literature, drawings, etc. and detailed written lists of exceptions taken must also be enclosed.

Formal sealed bids produce a number of suppliers; therefore, Newberry County EMS cannot be expected to be familiar with all various technical details of all vendor's products, the only adequate method of evaluation will be to compare in this format. Vendors are cautioned that failure to submit proposals in format specified herein.

Any questions for clarifications, etc. should be directed in writing to the above, and responses will be compiled into an addendum and posted to the Newberry County website at www.newberrycounty.net/departments/purchasing And listed under the bid number for this solicitation.

Considerable time and effort have been invested to design these specifications to the specific needs of Newberry County EMS; **therefore, alternate bids and bids on demo unit bids will likely not be considered.**

It is further understood that the vehicle described is for use by Newberry County EMS in the provision of emergency services.

Signature of Authorized Agent or Representative for the company submitting a response to this solicitation:

Printed Name

Signature

REMANUFACTURING SPECIFICATIONS EMERGENCY MEDICAL CARE VEHICLE

1.0 Scope, Purpose and Classification

1.1 Scope: This specification covers the remounting and remanufacturing of a commercially produced, surface medical care vehicle, hereinafter referred to as ambulance or vehicle. A vehicle in compliance with this specification shall be defined as a standard ambulance. This vehicle shall be in accordance with the Ambulance Design Criteria of the National Highway Traffic Administration, U.S. Department of Transportation, Washington D.C. This bid specification is based on the latest Federal Ambulance Specification KKK-A-1822 as a guideline.

1.2 Purpose: The purpose of this document is to provide minimum specifications and test parameters for the remounting and remanufacturing of an emergency medical care vehicle that meets the needs and desires of this agency. It establishes essential criteria for the design, performance, equipment and appearance of the vehicle. The object is to provide a vehicle that is in accordance with nationally recognized guidelines. It is the intent to return the unit to a new or like new condition per the specification.

1.3 Classifications: This specification calls for the following type of vehicle. It is in accordance with KKK-A-1822.
Type I – Cab Chassis with modular ambulance body.
Class 2 - Two rear wheel driven (4x2)
Configuration A (ALS) - Elevating cot and squad bench (3.1.5.1)

1.4 General: This is an engineer, design, construct and deliver type specification and it is not the intention of this agency to write out vendors of similar or equal equipment of the types specified. It should be noted, however, that this specification is written around specific needs of this agency. With the intent to standardize certain components, therefore, in numerous places we have named specific brands of components. This has been done to establish a certain standard of quality. Other brands will only be accepted providing the vendor provides documentation in the bid that the particular brand offered meets or exceeds the quality of the actual brand called for in the specification.

1.5 Materials: The emergency medical care vehicle, chassis, ambulance body, equipment, devices, medical accessories and electronic equipment to be delivered under this contract shall be standard commercial products, which meet or exceed the requirements of this specification. The ambulance shall comply with all Federal Motor Vehicle Safety Standards (FMVSS), the Federal regulations applicable or specified for the year of manufacture. The chassis, components and optional items shall be as represented in the manufacturer's current technical data. Materials used in the construction shall be new and not less than the quality conforming to current engineering and manufacturing practices. Materials shall be free of defects and suitable for service intended.

1.6 Manufacturing Ability: It is the intent of these specifications that the Remanufacturer of these vehicles has the ability to remount and remanufacture a complete ambulance within their plant facility, except for the chassis. The Ambulance Remanufacturer must have significant experience in the remounting and remanufacturing modular ambulance bodies and have performed a minimum of 50 remounts in the last two years. In addition, the Bidder/ manufacturer must include with this bid, proof of \$1,000,000.00 product liability coverage. NO EXCEPTIONS.

1.7 References and History: This agency wishes to do business with an experienced Remanufacturer. Remanufacturer must show proof of being in business for five (5) consecutive years as of the date of this Invitation for Bids (IFB) in said business. As further evidence of the Remanufacturer's ability to perform, the contractor shall submit a list of ten customers with similar type remanufactured remounts. The references shall also include the name of service, address, contact, and phone number. Further, the references listing shall include the names and contact numbers of all remounts performed by the bidding party for the last six (6) months. These customers shall be easily identified in the references as recent remounts. Newberry County EMS will sample all said references and obtain other references from the field and compile results.

Does your bid comply EXACTLY as written? Yes ___ No ___

1.8 Exceptions to Specifications: Any exceptions to these specifications indicated must be clearly pointed out. Otherwise, it will be considered that items offered are in strict compliance with these specifications and the successful bidder will be held responsible for delivering a vehicle meeting these specifications. Any exceptions must reference by Paragraph Number and Line and be explained in detail on a separate sheet marked "Exceptions". Any bidder not complying shall not be considered as responsive.

Any proposal which indicates "No Exception" to any item on our proposal documents, and also includes a letter from the vendor taking major or total exception to our specifications or indicates they are quoting to provide their standard methods of construction without listing any differences in the manner described, will be immediately rejected as non-compliant and removed from further consideration.

Should a vendor offer a quotation in response to this IFB and not take explicit exceptions and attempt to offer a unit not in

compliance with the exact specifications, the Purchaser reserves the sole right to issue a Purchase Order with specified penalties and/or invoke a Performance Bond. Penalties for not providing vehicle(s) to the exact specifications, with approved exceptions or deviations specifically authorized by Purchaser, will be assessed. These will require that the Vendor pay the difference in price as offered in their proposal and what the Purchaser must eventually pay (from another compliant vendor) for vehicle(s) meeting these specifications (if a performance bond is not otherwise provided).

1.9 Prices and Payments: All bid prices shall be complete and include warranty, pickup and delivery of the completed vehicle to this agency.

Payment shall be made in accordance with these specifications and the response from the Bidder. Payment will be made upon acceptance of the vehicle(s) and equipment specified under these specifications.

Bid prices shall be valid for at least forty-five (45) days from the date of the Bid Opening, or as otherwise specified on the Bid Proposal form.

Full payment will be made as each unit is received, inspected and found to comply with procurement specifications, free of damage and properly invoiced.

Successful vendor shall, at delivery, supply Newberry County EMS with a Manufacturer's Statement of Origin (MSO).

Does your bid comply EXACTLY as written? Yes ___ No ___

1.10 Warranty: The successful bidder shall provide re-mounter's warranty coverage for the ambulance or rescue vehicle conversion, which coverage shall, at a minimum include:

(A) A Limited Warranty shall be provided on the ambulance remanufactured remount conversion. The Remanufacturer shall warrant to the original retail purchaser that, for a period of thirty six (36) months or fifty-thousand (50,000) miles from the point of delivery, whichever first occurs, the ambulance remanufactured remount shall be free of substantial defects in materials and remanufactured remount workmanship, which are attributable to Warrantor remanufactured remount work and which arise during the course of normal use and service. **There shall be a copy of the Warranty statement included with the bid documents. NO EXCEPTIONS.**

Does your bid comply EXACTLY as written? Yes ___ No ___

(B) There shall be a ten-(10) year/100,000 mile warranty on the Ambulance remanufactured remount electrical wiring system effective starting the date this agency accepts delivery of the completed vehicle. It is the intent of this requirement that items not manufactured or installed by the ambulance re-mounter be excluded. **There shall be a copy of the Warranty statement included as part of the bid documents. NO EXCEPTIONS.**

Does your bid comply EXACTLY as written? Yes ___ No ___

(C) There shall be a five (5) year unlimited mileage paint warranty covering the remanufactured ambulance conversion and any painting done to the chassis. Warranty shall commence when Newberry County as accepted the ambulance and payment has been submitted. **There shall be a copy of the Warranty statement included with the bid. NO EXCEPTIONS.**

Does your bid comply EXACTLY as written? Yes ___ No ___

(D) There shall be a fifteen (15) year unlimited mileage structural warring covering the Ambulance Modular Body. Warranty shall commence when Newberry County has accepted the ambulance and payment has been submitted. **There shall be a copy of the Warranty statement included with the bid. NO EXCEPTIONS.**

(E) Warranty on the chassis portion of the completed ambulance or rescue vehicle shall be the responsibility of the chassis manufacturer. The successful manufacturer's sole responsibility with regard to the chassis shall be to provide reasonable assistance to the purchaser in obtaining warranty from the chassis manufacturer or its authorized service center. Bidders failing to meet these requirements shall be considered non-responsive.

Does your bid comply EXACTLY as written? Yes ___ No ___

1.12 Ambulance Bids and Alternate Bids: Considerable time and effort has been invested to design these specifications to the specific needs of Newberry County EMS. Therefore, alternate bids not exactly to spec will not be considered.

1.13 Warranty Compliance:

To ensure quality, service, and full compliance to the above warranties the vehicle, with the exception of the chassis, must be constructed by the ambulance manufacturer. Additional elements constructed and installed "in house" are required to ensure service and parts availability. Subcontractors or lease/rental agreements to outside agencies will fail to meet this requirement. **NO EXCEPTIONS WILL BE ALLOWED.**

- Does the ambulance remanufacturer as the prime contractor repair and reweld the modular body structure?

Does your bid comply EXACTLY as written? Yes ___ No ___

- Does the ambulance remanufacturer as the prime contractor apply paint?

Does your bid comply EXACTLY as written? Yes ___ No ___

- Are interior cabinets constructed and installed by the ambulance remanufacturer as the prime contractor?

Does your bid comply EXACTLY as written? Yes ___ No ___

- Are the wiring harnesses, circuit boards, and O₂ systems assembled, installed and tested by the ambulance remanufacture as the prime contractor?

Does your bid comply EXACTLY as written? Yes ___ No ___

- Is the upholstery for seat cushions, head pads, and backrests assembled and installed by the ambulance remanufacturer as the prime contractor?

Does your bid comply EXACTLY as written? Yes ___ No ___

1.14 Delivery: Since delivery proposals by the bidder will weigh heavily in the determination the delivery schedules that are submitted by the bidders shall automatically become binding upon the successful bidder. Delivery must be within one hundred twenty (120) days from the date of award. The delivery time shall start once the vendor has received the module and chassis.

ABSOLUTELY NO EXCEPTIONS WILL BE ALLOWED TO THIS SECTION.

Does your bid comply EXACTLY as written? Yes ___ No ___

1.15 Anti-Collusion Statement:

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

COMPANY NAME: _____

BIDDER SIGNATURE: _____

DATE: _____

1.16 Service and Warranty Repair: Successful vendor must have a comprehensive ambulance service and repair facility to administrate warranty repair as needed. Vendor must have authorized factory trained service specialists and carry necessary inventory levels to affect prompt repair. Vendor shall have mobile service capabilities and provide them at no additional cost when practical and convenient.

Bidders must list below their service facility and parts department profile to the purchaser.

FACILITY NAME: _____

ADDRESS: _____

PHONE NUMBER: _____

CONTACT NAME: _____

APPROX. MILES FROM PURCHASER: _____

YRS OF EXPERIENCE IN AMBULANCE REMOUNT BUSINESS: _____

SQUARE FT. OF FACILITY: _____

NO. OF SERVICE BAYS: _____

NO. OF EMPLOYEES: _____

NO. OF FULL TIME AMBULANCE TECHNICIANS: _____

ARE TECHNICIANS FACTORY TRAINED? _____

TOTAL YEARS SHOP REPAIR EXPERIENCE: _____

VALUE OF SERVICE AND PARTS INVENTORY: _____

24-HR TURN AROUND TIME ON WARRANTY AND SERVICE? _____

NUMBER OF LIFT AREAS FOR SERVICE: _____

CAN SERVICE FACILITY PERFORM ALUMINUM MODULE REPAIR? _____

IS FACILITY AND AUTHORIZED PPG COMMERCIAL FLEET PAINT CENTER AND REPAIR FACILITY? _____

CAN SERVICE FACILITY DO SCOTCHLITE & LETTERING? _____

Does your bid comply EXACTLY as written? Yes ____ No ____

1.17 Documentation of Remount Facilities: This agency is very concerned with making bid award to the most qualified re-mounter. In order to aid our decision, each bidder shall submit with their bid the following documentation:

1. Photographs of physical plant including:
 - a. All bays & interior of remount facilities
 - b. Paint shop
 - c. Paint booth, spray facilities, and mixing room.
 - d. Hydraulic lifts
 - e. Frame machine
 - f. Stocks of remount inventory and remount chassis.
2. Documentation of adequate Workman's Compensation insurance, Product Liability Insurance, and Garage Keepers Liability Insurance.

There are no exceptions allowed to this requirement. If requested documentation cannot be submitted with the bid, please do not go any further. You will not qualify to bid.

Does your bid comply EXACTLY as written? Yes ____ No ____

1.18 Inspection Trips: There shall be a pre-build conference at the location of the vendor held prior to start of work. Newberry County EMS reserves the right to make inspection trips during the build.

1.19 Newberry County EMS requires that the ambulance remanufacturer re-mounter provide "in house" repairs for structural repairs from any outside accidents, as well as warranty items that may arise as the result of the remount work. (In-house refers to the manufacturer's repair center until the warranty has expired.)

Does your bid comply EXACTLY as written? Yes ____ No ____

2.0 TECHNICAL REQUIREMENTS - CHASSIS

Minimum technical specifications for the Customer Supplied chassis are as follows:

2.1 **2019/20 DODGE 4500 4 x 2 STANDARD CAB CHASSIS (197.4 in WB**
VEHICLE: - CA of 84 in)

	<u>Sales Code</u>	<u>Description</u>
Model:	DP9L94	2019/20 4500 STANDARD CAB CHASSIS (197.4 in WB - CA of 84 in)
Package:	29A	Customer Preferred Package 29A
	ETK	6.7L I6 Cummins Turbo Diesel Engine
	DF2	6-Spd Auto Aisin AS69RC HD Transmission
Paint/Seat Trim:		White
	APA	Monotone Paint
	*V9	Cloth 40/20/40 Bench Seat
	-X8	Black/Diesel Gray
Options:	TBB	Full Size Spare Tire
	AMP	Chrome Appearance Group
	XF7	Dual Alternators Rated at 440 Amps
	AZB	Heavy Duty Front Suspension Group
	XXS	Electronic Monitoring Module
	XF6	Voltage Monitoring Auto Idle Up Sys
	GXM	Remote Keyless Entry (include 3 fobs)
	ADE	Cold Weather Group
	CJT	Delete Front Center Seat
	GFD	Power Rear Sliding Window

Does your bid comply EXACTLY as written? Yes ___ No ___

2.21 **Engine Block Heater:** The chassis shall have an OEM engine block heater. This heater shall be wired to the 110V shoreline input on the modular body. A summer disconnect switch shall be located in the cab easily accessible to the driver.

Does your bid comply EXACTLY as written? Yes ___ No ___

2.22 **Engine High-Idle Speed Control, Automatic:** The vehicle shall be equipped with an OEM Auxiliary Powertrain Control (APC) Module. It shall be preprogrammed in Charge Protection mode, the engine idle will be electronically adjusted (up or down) to maintain electrical system voltage. The device shall operate only when the transmission is in "Neutral" or "Park", and the parking brake has been engaged. The device shall disengage when the operator depresses the service brake pedal, the transmission is placed in gear, or parking brake is disengaged and automatically re-engages when the service brake is released, when the transmission is placed in neutral or park, and the parking brake is re-engaged.

Does your bid comply EXACTLY as written? Yes ___ No ___

2.23 **Running Boards:** Install new flared highly polished aluminum running boards. Each running board shall have an LED entrance light installed.

Does your bid comply EXACTLY as written? Yes ___ No ___

2.24 **Suspension:** Install a Liquid Springs Gel Suspension system with kneeling feature to insure proper loading height.

Does your bid comply EXACTLY as written? Yes ___ No ___

2.25 **Floor Mats:** OEM Standard

Does your bid comply EXACTLY as written? Yes ___ No ___

2.26 **Mud Flaps:** New chassis to be equipped with rubber mud flaps for dual rear wheel Type I ambulance.

Does your bid comply EXACTLY as written? Yes ___ No ___

2.26 **Wheel Covers:** New chassis shall be equipped with new polished stainless-steel wheel covers front and rear.

Does your bid comply EXACTLY as written? Yes ___ No ___

3.0MODULE ACQUISITION AND TRANSFER OF MODULAR AMBULANCE BODY

3.1 **Dismount:** Disconnect all sub systems between chassis and module. Lift module to allow full inspection of understructure.

Does your bid comply EXACTLY as written? Yes ___ No ___

3.2 **Module Inspection:** Inspect all exposed structure and framing for cracks, warpage, excessive wear and corrosion. Any questionable areas shall be treated with dye penetrant material to expose cracks. Professionally repair as needed.

Does your bid comply EXACTLY as written? Yes ___ No ___

3.3 **Module Remount:** Mount down module squarely on chassis. Remounter to use OEM rubber isolators, mounting bolts and transfer body per Dodge Guidelines.

Does your bid comply EXACTLY as written? Yes ___ No ___

3.4 **Cab Seal:** Install a non-electrolytic rubber accordion bellows between module and cab. Seal interface to eliminate air and water leaks.

Does your bid comply EXACTLY as written? Yes ___ No ___

4.0NEW CHASSIS PREPARATION

4.1 **Springs:** NOT USED

Does your bid comply EXACTLY as written? Yes ___ No ___

4.2 Exhaust Modification: Extend tailpipe to match module width.

Does your bid comply EXACTLY as written? Yes ___ No ___

5.0 EXTERIOR BODY TRIM

5.1 Diamond Plate: Install all new diamond plate complete on module body. To include rub rails, running boards, corner stone guards and fuel overflow area.

Does your bid comply EXACTLY as written? Yes ___ No ___

5.2 Rear Step: Install refurbished step assembly. The rear step assembly will include new diamond plate bumper tips, riser/kick plate with recessed tag bracket, grip strut, and any other diamond plate covering.

Does your bid comply EXACTLY as written? Yes ___ No ___

5.3 Fenderettes: Install new stainless steel fenderettes.

Does your bid comply EXACTLY as written? Yes ___ No ___

5.4 Drip Rails: Install new polished satin finished drip rails above all patient entry doors and all exterior compartments

Does your bid comply EXACTLY as written? Yes ___ No ___

5.5 Patient Door Liners: Upper panels of interior door panels will be reworked and reinforced if necessary to present a new look. Additionally, the center section of the door panel will be covered with reflective Red/White Chevrons.

Does your bid comply EXACTLY as written? Yes ___ No ___

5.6 Door Hinge: Polish existing stainless steel door hinge and reinstall. Any hinge showing excessive wear shall be replaced with new.

Does your bid comply EXACTLY as written? Yes ___ No ___

5.7 Weatherstrip: Install new patient entry and compartment door weatherstrip with identical OEM type.

Does your bid comply EXACTLY as written? Yes ___ No ___

5.8 Undercoating: Spray automotive type undercoating in appropriate understructure areas to protect and soundproof module and cab.

Does your bid comply EXACTLY as written? Yes ___ No ___

6.0 MODULE EXTERIOR PAINT FINISH AND LETTERING

6.1 Preparation: Prior to any paint and bodywork remove all exterior compartment and entry doors, all hardware, hinges, handles and emergency lighting. **NO EXCEPTIONS TO THESE REQUIREMENTS WILL BE ALLOWED.**

Does your bid comply EXACTLY as written? Yes ___ No ___

6.2 Surface Refinished: In order to provide the highest quality paint surface preparation, and to evaluate the module for evidence of electrolysis, **complete and total** mechanical removal of **all** paint, oils, and contaminants from module surface **utilizing a dry stripping system is required.** Mechanical removal shall be accomplished **ONLY** by the use of

a glass or plastic media bead blasting system at approximately 50 psi. Hand sanding is not acceptable. Sand blasting is not acceptable and may damage the module.

Vendors shall be required to provide photographic proof (before and after photos) of full compliance to this section.

THERE ARE ABSOLUTELY NO EXCEPTIONS OF ANY KIND ALLOWED TO THIS SECTION. IF YOU CANNOT COMPLY WITH THIS REQUIREMENT PLEASE DO NOT GO ANY FURTHER. YOU WILL NOT QUALIFY TO BID.

Does your bid comply EXACTLY as written? Yes ___ No ___

6.3 Electrolysis Inspection: Module will be inspected 100% for evidence of electrolysis. Such areas will be specially treated to prevent any further damage and remove visible damage. **NO EXCEPTION.**

Does your bid comply EXACTLY as written? Yes ___ No ___

6.4 Damage Repair: All minor body damage will be repaired in an industry standard professional manner to like new condition. **NO EXCEPTION.**

Does your bid comply EXACTLY as written? Yes ___ No ___

6.5 Paint Process: The module body shall be repainted in High-quality Polyurethane Paint Process. **NO EXCEPTION.**

Does your bid comply EXACTLY as written? Yes ___ No ___

6.6 Paint Striping: The chassis and module body shall be painted white to match Dodge Chassis cab. A custom striping package shall be installed on the modular body and chassis to exactly match existing Newberry County EMS fleet. Exact details will be finalized at a pre-build conference. **NO EXCEPTIONS**

Does your bid comply EXACTLY as written? Yes ___ No ___

6.7 Lettering: Provide and install a custom lettering package to include exact match of existing Newberry County EMS fleet. Exact details will be finalized at a pre-build conference. This package includes all reflective lettering, **NO EXCEPTIONS**

Does your bid comply EXACTLY as written? Yes ___ No ___

7.0 ELECTRICAL SYSTEM:

7.1 Switch Panels: Provide and install a new front and rear switch panels and legends with full size switches. An Emergency Master Switch will be added to control all emergency functions on the front switch panel. The current door open indicator screen will be repaired and reinstalled. A 12-volt cigar plug will be installed on the cab console. In addition the current phone intercom will be removed and reinstalled.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.2 Power Panel: Upgrade electrical system to meet KKK-1822-F. Replace all circuit breakers, LED flashers, relays and solenoids on a printed circuit board power distribution panel. Check for 100% complete operation. Re-mounter shall provide a five (5) year / 100,000 mile electrical warranty. **NO EXCEPTION.**

Does your bid comply EXACTLY as written? Yes ___ No ___

7.3 Wiring Installation: All new power wiring shall be provided complete and shall be copper and conform to all the SAE J1292 requirements and shall have GXL or SXL high temperature thermoplastic or better insulation rated to 125 °C (257 ° F) and conforming to SAE J1127 and J1128.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.4 Wiring Labeling: All wiring shall be permanently color-coded and labeled for easy troubleshooting.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.5 Wiring Loom: The engine wiring shall be routed in conduit or high temperature looms with a rating of 300 degrees Fahrenheit. All added wiring shall be in protective loom, located in accessible, enclosed and protected locations, and kept at least six inches away from the exhaust system components. Wiring and components shall not terminate in the oxygen storage compartment except for the compartment light and door switch plunger. Wiring necessarily passing through an oxygen compartment shall be routed in metal conduit. All conduits, looms and wiring shall be secured to the body or frame with insulated metal straps in order to prevent sagging and movement which results in chafing, pinching, snagging, or any other damage. All apertures on the vehicle shall be properly grommited for passing wiring and conform to SAE 1292.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.6 Battery Switch: Install new Ignition switched battery hot system.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.7 Cab Wiring: Install new power distribution harness and battery cables.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.8 Engine Block Heater: Wire OEM engine block heater to a new Red 20 amp auto eject shoreline wired through a summer cut off switch.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.9 Tail Lights: Install new custom single chrome tail light assembly to house a Whelen 900 series LED brake light, a Whelen 700 series LED turn arrow and a Whelen 700 series LED back up light.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.9.1 Upper Turn Signals: Install Whelen LED Front Turn Signals with arrows in the upper front corners of the modular body.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.10 Warning Lights: Replace all module exterior warning light Lens with new Whelen 900 Series Super LED light lens. All lens to have red lens. All exterior warning lights shall have chrome flanges.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.11 Intersection Lights: Provide and install four (2) new Whelen Red LED intersection light lens with chrome flanges. Two located on the cab fenders.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.12 Grille Lights: Provide and install Whelen four (2) Whelen 500 Series Super LED Red Grille light lens with chrome bezels.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.13 Light Bar : Delete light bar and replace with six (6) Whelen 900 Series Super LED alternating between red and white lenses

Does your bid comply EXACTLY as written? Yes ___ No ___

7.14 Cab Console: Install new low profile birch plywood Formica covered floor console to provide areas for switches, drink holders, clip board storage, radio and siren head installation to match current configuration.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.14.1 Sirens: Remove existing and replace with NEW Whelen hands-free / dual-tone siren.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.15 Door Switches: Replace all door switches with new door switches to meet or exceed existing switches.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.16 Dome Lights: Install Whelen LED dome lights. The current fluorescent lights shall be converted to LED also .

Does your bid comply EXACTLY as written? Yes ___ No ___

7.17 Speakers: Install two (2) new 100 watt speakers recessed in the bumper.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.18 Fluorescent lights: Install three (3) 18" recessed LED lights in patient compartment headliner. These lights shall be wired to operate as additional dome lights and check out lights. An additional switch shall be installed in the cab console to allow the driver to control these lights from the cab. A new 15 minute check out timer shall be located at the curbside door.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.19 Back up alarm: Install a new back up alarm with cut-off switch.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.20 Two way radios: Provisions for radios shall be provided to include (2) Coax cables and (2) positive and negative pre-wiring for future installation. The locations will be determined at the pre-construction conference.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.21 ICC Marker Lights: All marker lights are to be LED. The outer corners of the modular body shall have recessed corner cap LED lights wired to flash as additional warning lights.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.22 Inverter: Install NEW Vanner 1200 watt inverter with a battery charger.

Does your bid comply EXACTLY as written? Yes ___ No ___

7.23 Scene Lights: Replace Load and Scene Light Lens . The Scene/Load lights will be Whelen LED 900 Series with chrome flanges .

Does your bid comply EXACTLY as written? Yes ___ No ___

7.24 Shoreline: Install a new Kussmaul Yellow 20 amp auto eject shoreline outlet with weatherproof cover at the left rear of modular body.

Does your bid comply EXACTLY as written? Yes ___ No ___

8.0 EXTERIOR COMPARTMENTS

8.1 Weather-stripping: Replace all exterior rubber door weather-stripping with OEM original or equivalent seal.

Does your bid comply EXACTLY as written? Yes ___ No ___

8.2 Compartment Door: Compartment doors are to be closely inspected for condition and repaired as necessary.

- a. Checked and trued for alignment and closure.
- b. All hold opens replaced with gas struts.
- c. Lubricate all door latches and locks for proper operation.
- d. All exterior storage compartments and module entry doors shall be lockable with the same key. All door handles shall be TRIMARK brand and have a safe-pass emergency release on all entrance doors.
- e. All patient entry door windows removed prior to painting.

f. Any damaged windows replaced with like OEM windows from OEM manufacturer.

Does your bid comply EXACTLY as written? Yes ___ No ___

8.3 Exterior Door Latch and Lock Repair: Examine and repair or replace any defective exterior door latches, locks or rotary latches.

Does your bid comply EXACTLY as written? Yes ___ No ___

8.4 Compartment Floor Treatment: All compartment floors to have black Kendall Dri-Deck. NO EXCEPTION.

Does your bid comply EXACTLY as written? Yes ___ No ___

8.5 Cast Grabber Door Hold Opens: Install (4) new Cast Grabber door hold opens on the rear module doors.

Does your bid comply EXACTLY as written? Yes ___ No ___

8.6 Modular Body and Compartments: The modular body and exterior compartment dimensions are to be followed closely due to the equipment storage requirements of Newberry County EMS.

Does your bid comply EXACTLY as written? Yes ___ No ___

PATIENT COMPARTMENT CABINETRY AND FIXTURES: 67" HEADROOM

9.1 Sub-Floor: After removal of old floor covering, the sub-floor shall be replaced.

Does your bid comply EXACTLY as written? Yes ___ No ___

9.2 Flooring: Sub-Floor shall be sanded to remove all imperfections before installation of new floor. Lonseal Lonplate II pvc vinyl safety flooring (#424 TX Gunpowder) shall be installed and coved up side wall 3" for ease of cleaning. Floor shall be color coordinated to the interior color scheme.

Does your bid comply EXACTLY as written? Yes ___ No ___

9.3 Thresholds: Replace side and rear thresholds with satin finish stainless steel thresholds. Both thresholds are to be sealed for sanitation. In addition each entrance and compartment shall have a stainless steel seal plate for maximum paint protection.

Does your bid comply EXACTLY as written? Yes ___ No ___

9.4 Cabinetry: Trim out interior to new condition as follows:

- a. Manually check cabinet mounting bolts to insure stability and strength
- b. Check all shelves for security and make rattle proof
- c. Check all seatbelts and replace all defective ones
- d. Replace any damaged or missing trim including edge of squad bench lid.
- e. Replace any rusty or discolored screws or trim
- f. Provide high quality clean up and sanitation to all cabinetry, compartments, headliner, etc.
- g. Replace any damaged Formica.
- h. Install new plexiglass and tracks. All cabinets to have restocking feature.
- i. Install a new Stryker dual position cot mount. A rear safety catch shall be installed at rear doors. A Stryker Stainless Steel Guide System shall also be installed. The left side position and center-mount brackets should be installed.
- j. The front and rear counter tops are to be white in color and made of a solid surface material for ease of cleaning.
- k. Install stainless steel protector plates on the face of the squad bench and the left side wall to match current fleet.

9.5 Interior trim: Trim out interior to new condition.

Does your bid comply EXACTLY as written? Yes ___ No ___

9.6 Upholstery: All upholstery in module shall be replaced.

Does your bid comply EXACTLY as written? Yes ___ No ___

10. HEATING AND AIR CONDITIONING

10.1 Heat/Cool Unit: Install new Heat – Cool system with new expansion valve and ac & heater hoses. The complete system is to be replaced with one that conforms to the existing location and type. In addition an auxiliary exterior condenser will be installed beneath the front ALS area. The entire system must be covered by a shield for protection of road debris.

Does your bid comply EXACTLY as written? Yes ___ No ___

10.2 Heat/Cool Testing: System shall be extensively tested for peak performance and readings shall be provided to customer.

Does your bid comply EXACTLY as written? Yes ___ No ___

10.3 Power Vent: Shall be tested and repaired or replaced to meet original equipment performance. All exterior vents will be replaced with new like type.

Does your bid comply EXACTLY as written? Yes ___ No ___

11. OXYGEN AND VACUUM SYSTEMS

11.1 Oxygen System: Perform 4-hour nitrogen leak test. Repair any leaks noted and re-test and tag system with certification.

Does your bid comply EXACTLY as written? Yes ___ No ___

11.2 Oxygen Lift: Install an electrically actuated Oxy-Lift fitted for H tank in oxygen compartment with remote switch mounted in safe location.

Does your bid comply EXACTLY as written? Yes ___ No ___

11.3 Suction System: Test vacuum lines, outlets for proper operation and repair or replace as necessary.

Does your bid comply EXACTLY as written? Yes ___ No ___

12. ADDITIONAL EQUIPMENT

12.1

- A. Install LED tag lights.
- B. Install LED step well lights.
- C. Install digital clock in head bumper over rear doors.
- D. Install Back up Camera system. The monitor shall be mounted so as not to impede driver's vision or use of rearview mirror or the factory video screen (to be priced as line item)
- E. Install Diamond tread plate cover for OEM DEF Fill as well as beneath fuel filler neck.
- F. Install Seat Belt Strap in exterior compartment to secure spine boards.
- G. Install New Locking Lever Latch on Drug Storage.
- H. Install Stealth Switch in grille area for electric door locks.
- I. Include new Stryker PowerLOAD System with Pro Cot with equipment hook, right side IV pole, foot end O2 mount and head net. Install all new Stryker mounting hardware for cot to include left side and center mounting. (each piece to be priced as line item)
- J. Install automatic deploying /retracting RV step beneath curbside module door
- K. Include a Lucas 3 Chest Compression System (to be priced as line item)

- L. Install pole-style computer mount in center console with docking station and LPS 137 for Dell Latitude Rugged 14 with power supply. (to be priced as line item)
- M. Install CS Diesel Truck Defender Bumper and Grill Guard – polished finish

Does your bid comply EXACTLY as written? Yes _____ No _____

NEWBERRY COUNTY EMS

BID FORM

NAME OF BIDDER: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

TELEPHONE: _____

PERSON TO CONTACT: _____

We herewith submit and bid as follows:

CHASSIS MAKE: _____

MODEL/TYPE: _____

AMBULANCE BRAND: _____

FOB. POINT: _____

DELIVERY-CALENDAR DAYS _____

TERMS _____

TOTAL PRICE COMPLETE, AS SPECIFIED.....\$ _____

NET PRICE COMPLETE, AS SPECIFIED.....\$ _____

BID IS: _____ AS PER SPECIFICATION, TAKING NO EXCEPTIONS

_____ TAKING ONLY THOSE SPECIFICATION EXCEPTION LISTED, ATTACHED AND REFERENCED TO PARAGRAPH NUMBER SPECIFIED

It is agreed by the undersigned bidder that the signature and submission of this bid represents the bidder's acceptance of all terms, conditions, and requirements of bid specifications and, if awarded, the bid will represent the agreement between the two parties.

SIGNED: _____ DATE: _____

NAME PRINTED: _____ TITLE: _____

NOTE: All variations and/or exceptions must be listed on the attached pages, by page and paragraph number from specifications and explained in detail. Failure to so list exceptions will disqualify the bid

EXCEPTIONS / CLARIFICATIONS

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

VENDOR NAME: _____

BIDDING: _____

EXCEPTION PAGE: _____ OF _____