

AN ORDINANCE

2011-12-15-1027

ACCEPTING THE OFFER FROM SARTIN SERVICES, INC. TO PROVIDE THE SAN ANTONIO FIRE DEPARTMENT, OFFICE OF EMERGENCY MANAGEMENT WITH 1 MEDICAL AMBULANCE EVACUATION BUS FOR A TOTAL COST OF \$381,270.00, FUNDED WITH THE 2009 URBAN AREA SECURITY INITIATIVE (UASI) GRANT.

* * * * *

WHEREAS, an offer was submitted by Sartin Services, Inc., a sole source supplier, to provide the City of San Antonio Fire Department, Office of Emergency Management with one 1 Medical Ambulance Evacuation Bus for a cost of \$381,270.00; and

WHEREAS, the Texas Local Government Code indicates that competitive bidding is not required under section 252.022(a)(7)(A), which provides for any items that are available only from a sole source of supply; **NOW THEREFORE**:

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF SAN ANTONIO:

SECTION 1. The offer submitted by Sartin Services, Inc. to provide the San Antonio Fire Department with 1 Medical Ambulance Evacuation Bus for a cost of \$381,270.00 is hereby accepted, subject to and contingent upon the deposit of all required bonds, performance deposits, insurance certificates and endorsements. A copy of the contract is attached hereto and incorporated herein for all purposes as **Exhibit I**.

SECTION 2. Fund 2606520013 entitled "HOMELAND SECURITY 09" and Internal Order 120000000073, are hereby designated for use in the accounting for the fiscal transaction in the acceptance of this contract.

SECTION 3. The sum of \$381,270.00 is hereby appropriated in the above designated fund and will be disbursed from GL 5709090 "Mach & Equip Auto". Payment is authorized to Sartin Services, Inc. and should be encumbered with a purchase order.

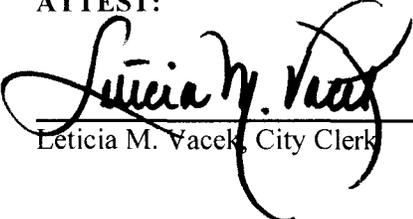
SECTION 4. The financial allocations in this ordinance are subject to approval by the Director of Finance, City of San Antonio. The Director of Finance may, subject to concurrence by the City Manager or the City Manager's designee, correct allocations to specific cost centers and fund numbers as necessary to carry out the purpose of this ordinance.

SECTION 5. This ordinance is effective immediately upon passage by eight affirmative votes; otherwise it is effective on the tenth day after passage hereof.

PASSED and APPROVED this 15th day of December, 2011.

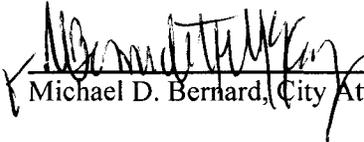

M V O R
Julián Castro

ATTEST:

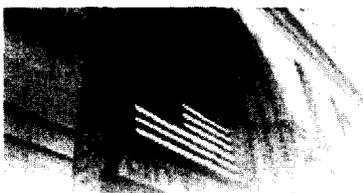


Leticia M. Vacek, City Clerk

APPROVED AS TO FORM:



Michael D. Bernard, City Attorney



Request for
COUNCIL
ACTION

City of San Antonio



Agenda Voting Results - 8

Name:	6, 7, 8, 10, 11, 12, 13, 14, 16, 18, 19, 20, 21, 22, 23, 26, 27, 28, 29, 30A, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 48						
Date:	12/15/2011						
Time:	10:36:06 AM						
Vote Type:	Motion to Approve						
Description:	An Ordinance accepting the offer from Sartin Services, Inc. to provide the San Antonio Fire Department, Office of Emergency Management with 1 Medical Ambulance Evacuation Bus for a total cost of \$381,270.00, funded with the 2009 Urban Area Security Initiative Grant. [Ben Gorzell, Chief Financial Officer; Troy Elliott , Director, Finance]						
Result:	Passed						
Voter	Group	Not Present	Yea	Nay	Abstain	Motion	Second
Julián Castro	Mayor		x				
Diego Bernal	District 1		x				
Ivy R. Taylor	District 2	x					
Jennifer V. Ramos	District 3		x			x	
Rey Saldaña	District 4		x				x
David Medina Jr.	District 5		x				
Ray Lopez	District 6		x				
Cris Medina	District 7		x				
W. Reed Williams	District 8		x				
Elisa Chan	District 9		x				
Carlton Soules	District 10		x				

Opened: October 24, 2011		Sartin Services, Inc. 6116 Old Mendenhall Road Archdale, NC 27263 336-841-5505
For: MAB Medical Ambulance/Evacuation/MCI Bus		
6100000698	DS	
Item	Description	QTY
1	MAB Medical Ambulance/Evacuation/MCI Bus Thomas Heavy Duty Front Engine Transit Chassis Price: Make & Model & Year Offered: Engine Offered: Delivery: Payment Terms Total	1
		\$381,270.00 Thomas MVPEF 1418 N Cummins 210 days Net 30 \$381,270.00
	Total Award	\$381,270.00



CITY OF SAN ANTONIO
PURCHASING AND GENERAL SERVICES DEPARTMENT

REQUEST FOR OFFER ("RFO") NO.: 6100000698

MAB MEDICAL AMBULANCE/EVACUATION/MCI BUS

Date Issued: OCTOBER 19, 2011

RESPONSES MUST BE RECEIVED NO LATER THAN:
10:00 AM OCTOBER 24, 2011

Responses may be submitted by any of the following means:
Electronic submission through the Portal
Hard copy in person or by mail

Address for hard copy responses:

Physical Address:

Purchasing & General Services
Riverview Tower
111 Soledad, Suite 1100
San Antonio, Texas 78205

Mailing Address:

Purchasing & General Services
P.O. Box 839966
San Antonio, Texas 78283-3966

For Hard Copy Submissions, Mark Envelope

"MAB MEDICAL AMBULANCE/EVACUATION/MCI BUS"

Offer Due Date: 10:00 A.M., OCTOBER 24, 2011

RFO No.: 6100000698

Offeror's Name and Address

Bid Bond: NO Performance Bond: NO Payment Bond: NO Other: NO

See Supplemental Terms & Conditions for information on these requirements.

Affirmative Procurement Initiative: NOT APPLICABLE DBE / ACDBE Requirements: NO

See Instructions for Offerors and Attachments sections for more information on these requirements.

Pre-Submittal Conference * NO

* If YES, the Pre-Submittal conference will be held on at at .

Staff Contact Person: DEBRA STEVENS, CONTRACT COODINATOR, P.O. Box 839966, San Antonio, TX 78283-3966
Email: DEBRA.STEVENS@SANANTONIO.GOV

SBEDA Contact Information: NOT APPLICABLE, ,

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003 - INSTRUCTIONS FOR OFFERORS

Submission of Offers.

Submission of Hard Copy Offers. Submit one original offer, signed in ink, and two copies of the offer enclosed in a sealed envelope addressed to the Purchasing and General Services Department at the address and by the due date provided on the Cover Page. The name and address of offeror, the offer due date and RFO number and title shall be marked on the outside of the envelope(s). All times stated herein are Central Time. Any offer or modification received after the time and date stated on the Cover Page shall be rejected.

Submission of Electronic Offers. Submit one offer electronically by the due date provided on the Cover Page. All times stated herein are Central Time. Any offer or modification received after the time and date stated on the Cover Page shall be rejected. All forms in this solicitation which require a signature must have a signature affixed thereto, either by manually signing the document, prior to scanning it and uploading it with your submission, or affixing it electronically.

Offers sent to City by facsimile or email shall be rejected.

Modified Offers. Offers may be modified provided such modifications are received prior to the time and date set for submission of offers, and submitted in the same manner as original offers. For hard copy offers, provide a cover letter with the offer, indicating it is a modified offer and that the Original offer is being withdrawn. For electronic offers, a modified offer will automatically replace a prior offer submission. See below for information on submitting Alternate Offers.

City shall not be responsible for lost or misdirected offers or modifications.

Offerors must sign the Signature Page on hard copy offers and return the RFO document to City. For electronic offers, Offeror's electronic submission, with accompanying affirmations, constitutes a binding signature for all purposes.

Offerors are cautioned that they are responsible for the security of their log on ID and password, since unauthorized use could result in Offeror's being held liable for the submission.

Certified Vendor Registration Form. If Offeror has not completed the City's Certified Vendor Registration (CVR) Form, Offeror is required to do so prior to the due date for submission of offers. The CVR form may be accessed at <http://www.sanantonio.gov/purchasing/>. Offerors must identify the correct name of the entity that will be providing the goods and/or services under the contract. No nicknames, abbreviations (unless part of the legal title), shortened or short-hand names will be accepted in place of the full, true and correct legal name of the entity.

Alternate Offers. Alternate offers may be allowed at the sole discretion of City.

Hard Copy Alternate Offers. Hard copy alternate offers must be submitted in separate sealed envelopes in the same manner as submission of other offers. Alternate offers must be marked consecutively on the envelope as Alternate Offer No. 1, 2, etc. Failure to submit alternate offers in separate envelopes may result in rejection of an offer.

Electronic Alternate Offers Submitted Through the Portal. All alternate offers are recorded with original offers when submitted electronically.

Catalog Pricing. (This section applies to offers using catalog pricing, unless this is a cooperative purchase.)

The offer will be based on manufacturer's latest dated price list(s). Said price list(s) must denote the manufacturer, latest effective date and price schedule.

Offerors shall be responsible for providing one copy of the manufacturer's catalog for each manufacturer for which an offer is submitted. Offeror shall provide said catalog at the time of submission of its offer. Manufacturers' catalogs may be submitted in any of the following formats: paper copy or CD ROM for bids submitted on paper, or PDF file for offers submitted electronically.

Offerors may submit price lists other than the manufacturer's price list. Said price list(s) must denote the company name, effective date and price schedule. These price lists are subject to approval of the City Purchasing & General Services Department.

Specified items identified herein, if any, are for overall offer evaluation and represent the commonly and most used items. Net prices entered for those specified items must reflect the actual price derived from quoted price list less all discounts offered.

Restrictions on Communication.

Offerors are prohibited from communicating with: 1) elected City officials and their staff regarding the RFO or offers from the time the RFO has been released until the contract is posted as a City Council agenda item; and 2) City employees from the time the RFO has been released until the contract is awarded. These restrictions extend to "thank you" letters, phone calls, emails and any contact that results in the direct or indirect discussion of the RFO and/or offer submitted by Offeror. Violation of this provision by Offeror and/or its agent may lead to disqualification of the offer from consideration.

Exceptions to the restrictions on communication with City employees include:

Offerors may ask verbal questions concerning this RFO at the Pre-Submittal Conference.

Offerors may submit written questions, or objections to specifications, concerning this RFO to the Staff Contact Person listed on the Cover Page on or before calendar days prior to the date offers are due. Questions received after the stated deadline will not be answered. Questions submitted and the City's responses will be posted with this solicitation. All questions shall be sent by e-mail or through the portal.

Offerors may provide responses to questions asked of them by the Staff Contact Person after responses are received. The Staff Contact Person may request clarification to assist in evaluating the Offeror's response. The information provided is not intended to change the offer response in any fashion. Such additional information must be provided within two business days from City's request.

Offerors and/or their agents are encouraged to contact the Small Business Office of the International and Economic Development Department for assistance or clarification with issues specifically related to the City's Small Business Economic Development Advocacy (SBEDA) Program policy and/or completion of the SBEDA form (s), if any. The point of contact is identified on the Cover Page. Contacting the Small Business Office regarding this RFO after the due date is not permitted. If this solicitation contains Affirmative Procurement Initiatives, it will be noted on the Cover Page.

If this solicitation contains DBE/ACDBE requirements, respondents and/or their agents may contact the Aviation Department's DBE/ACDBE Liaison Officer for assistance or clarification with issues specifically related to the DBE/ACDBE policy and/or completion of the required form(s). Point of contact is Ms. Lisa Brice, who may be reached via telephone at (210) 207-3505 or through e-mail at lisa.brice@sanantonio.gov. Respondents and/or their agents may contact Ms. Brice at any time prior to the due date for submission of bids. Contacting her or her office regarding this RFO after the due date is not permitted. If this solicitation contains DBE/ACDBE requirements, it will be noted on the Cover Page.

Pre-Submittal Conference.

If a Pre-Submittal Conference is scheduled, it will be held at the time and place noted on the Cover Page. Offerors are encouraged to prepare and submit their questions in writing in advance of the Pre-Submittal Conference in order to expedite the proceedings. City's responses to questions received prior to the conference may be distributed at the Pre-Submittal Conference and posted with this solicitation. Attendance at the Pre-Submittal Conference is optional, but highly encouraged.

This meeting place is accessible to disabled persons. Call the Staff Contact Person for information on the location of the wheelchair accessible entrance, or to request an interpreter for the deaf. Interpreters for the deaf must be requested at least 48 hours prior to the meeting. For other assistance, call (210) 207-7245 Voice/TTY.

Any oral response given at the Pre-Submittal Conference that is not confirmed in writing and posted with this solicitation shall not be official or binding on City.

Changes to RFO.

Changes to this RFO made prior to the offer due date shall be made directly to the original RFO. Changes are captured by creating a replacement version each time the RFO is changed. It is Offeror's responsibility to check for

new versions until the offer due date. City will assume that all offers received are based on the final version of the RFO as it exists on the day offers are due.

No oral statement of any person shall modify or otherwise change or affect the terms, conditions or specifications stated in the RFO.

Preparation of Offers.

All information required by the RFO must be furnished or the offer may be deemed non-responsive and rejected. Any ambiguity in the offer as a result of omission, error, unintelligible or illegible wording shall be construed in the favor of City.

Correct Legal Name. If an Offeror is found to have incorrectly or incompletely stated the name of the entity that will provide goods and/or services, the offer may be rejected.

Line Item Offers. Any offer that is considered for award by each unit or line item, must include a price for each unit or line item for which Offeror wishes to be considered. All offers are awarded on the basis of low line item, low total line items, or in any other combination that serves the best interest of City, unless City designates this solicitation as an "all or none" offer in the Supplemental Terms & Conditions.

All or None Offers. Any offer that is considered for award on an "all or none" basis must include a price for all units or line items. In an "All or None" offer, a unit price left blank shall result in the offer being deemed nonresponsive and disqualified from consideration. An "All or None" offer is one in which City will award the entire contract to one offeror only.

Delivery Dates. Proposed delivery dates must be shown in the offer form where required and shall include weekends and holidays, unless specified otherwise in this RFO. Proposed delivery times must be specific. Phrases such as "as required", "as soon as possible" or "prompt" may result in disqualification of the offer. Special delivery instructions, if any, may be found in the Specifications / Scope of Services section of this document, or in the Purchase Order.

Tax Exemption. The City of San Antonio is exempt from payment of federal taxes, and State of Texas limited sales excise and use taxes. Offerors must not include such taxes in offer prices. An exemption certificate will be signed by City where applicable upon request by Offeror after contract award.

Samples, Demonstrations and Pre-award Testing. If requested by City, Offeror shall provide product samples, demonstrations, and/or testing of items offered to ensure compliance with specifications prior to award of the contract. Samples, demonstrations and/or testing must be provided within 7 calendar days of City's request. Failure to comply with City's request may result in rejection of an offer. All samples (including return thereof), demonstrations, and/or testing shall be at Offeror's expense. Samples will be returned upon written request. Requests for return of samples must be made in writing at the time the samples are provided. Otherwise, samples will become property of City at no cost to City. Samples that are consumed or destroyed during demonstrations or testing will not be returned.

Estimated Quantities for Annual Contracts.

Designation as an "annual" contract is found in the contract's title on the Cover Page of this document. The quantities stated are estimates only and are in no way binding upon City. Estimated quantities are used for the purpose of evaluation. City may increase or decrease quantities as needed. Where a contract is awarded on a unit price basis, payment shall be based on the actual quantities supplied.

Offerors shall thoroughly examine the drawings, specifications, schedule(s), instructions and all other contract documents.

Offerors shall make all investigations necessary to thoroughly inform themselves regarding plant and facilities for delivery of material and equipment, or conditions and sites/locations for providing goods and services as required by this RFO. No plea of ignorance by Offeror will be accepted as a basis for varying the requirements of City or the compensation to Offeror.

Confidential or Proprietary Information. All offers become the property of City upon receipt and will not be returned. Any information deemed to be confidential by Offeror should be clearly noted; however, City cannot guarantee that it will not be compelled to disclose all or part of any public record under the Texas Public Information Act, since information deemed to be confidential by Offeror may not be considered confidential under Texas law, or pursuant to a

Court order. Pricing may be tabulated and posted to City's website, so shall not be considered proprietary or confidential.

Costs of Preparation. Offeror shall bear any and all costs that are associated with the preparation of the Offer, attendance at the Pre-Submittal conference, if any, or during any phase of the selection process.

Rejection of Offers.

City may reject any and all offers, in whole or in part, cancel the RFO and reissue the solicitation. City may reject an offer if:

Offeror misstates or conceals any material fact in the offer; or

The offer does not strictly conform to law or the requirements of the offer;

The offer is conditional; or

Any other reason that would lead City to believe that the offer is non-responsive or Offeror is not responsible.

City, in its sole discretion, may also waive any minor informalities or irregularities in any offer, such as failure to submit sufficient offer copies, failure to submit literature or similar attachments, or business affiliation information.

Changes to Offer Form. Offers must be submitted on the forms furnished. Offers that change the format or content of City's RFO may be rejected.

Withdrawal of Offers. Offers may be withdrawn prior to the due date. Written notice of withdrawal shall be provided to the Staff Contact Person for offers submitted in hard copy. Offers submitted electronically may be withdrawn electronically.

Evaluation and Award of Contract.

City reserves the right to make an award on the basis of City's best interests. Award may also be made based on low line item, low total line items, or in any other combination that serves the best interest of City, unless City designates this solicitation as an "all or none" offer in the Supplemental Terms & Conditions.

A written award of acceptance, manifested by a City Ordinance, and a purchase order furnished to Offeror results in a binding contract without further action by either party. Offeror must have the Purchase Order before making any delivery.

City reserves the right to delete items prior to the awarding of the contract, and purchase said items by other means.

Inspection of Facilities/Equipment. Depending on the nature of the RFO, Offerors' facilities and equipment may be a determining factor in making the offer award. All Offerors may be subject to inspection of their facilities and equipment.

Prompt Payment Discount.

Provided Offeror meets the requirements stated herein, City shall take Offeror's offered prompt payment discount into consideration. The evaluation will not be based on the discount percentage alone, but rather the net price as determined by applying the discount to the offer price, either per line item or total offer amount. However, City reserves the right to reject a discount if the percentage is too low to be of value to City, all things considered. City may also reject a discount if the percentage is so high as to create an overly large disparity between the price City would pay if it is able to take advantage of the discount and the price City would pay if it were unable to pay within the discount period. City may always reject the discount and pay within the 30 day period, at City's sole option.

City will not consider discounts that provide fewer than 10 days to pay in order to receive the discount.

For example, payment terms of 2% 5, Net 30 will NOT be considered in offer evaluations or in the payment of invoices. However, payment terms of 2% 10, Net 30 will result in a two percent reduction in the offer price during offer evaluation, and City will take the 2% discount if the invoice is paid within the 10 day time period.

Prohibited Financial Interest. The Charter of the City of San Antonio and its Ethics Code prohibit a City officer or employee, as those terms are defined in the Ethics Code, from having a financial interest in any contract with City or any City agency such as City-owned utilities. An officer or employee has a "prohibited financial interest" in a contract with City

or in the sale to City of land materials, supplies or service, if any of the following individual(s) or entities is a party to the contract or sale: the City officer or employee; his parent, child or spouse; a business entity in which he or his parent, child or spouse owns ten (10) percent or more of the voting stock or shares of the business entity, or ten (10) percent or more of the fair market value of the business entity; or a business entity in which any individual or entity above listed is a subcontractor on a City contract, a partner or a parent or subsidiary business entity.

Conflict of Interest. Effective January 1, 2006, Chapter 176 of the Texas Local Government Code requires that persons, or their agents, who seek to contract for the sale or purchase of property, goods, or services with the City, shall file a completed conflict of interest questionnaire with the City Clerk not later than the 7th business day after the date that the person: (1) begins contract discussions or negotiations with the City; or (2) submits to the City an application, response to a request for proposals or offers, correspondence, or another writing related to a potential agreement with the City. The conflict of interest questionnaire form is available from the Texas Ethics Commission at www.ethics.state.tx.us. Completed conflict of interest questionnaires may be mailed or delivered by hand to the Office of the City Clerk. If mailing a completed conflict of interest questionnaire, mail to: Office of the City Clerk, P.O. Box 839966, San Antonio, TX 78283-3966. If delivering a completed conflict of interest questionnaire, deliver to: Office of the City Clerk, City Hall, 2nd floor, 100 Military Plaza, San Antonio, TX 78205. Offeror should consult its own legal advisor with questions regarding the statute or form. Do not include this form with your sealed offer. The Purchasing Division will not deliver the form to the City Clerk for you.

004 - SPECIFICATIONS / SCOPE OF SERVICES

II. PRODUCT SPECIFICATIONS & DESCRIPTION OF SERVICES

Date for Delivery. Sartin Services, Inc. ("Vendor") shall deliver a turnkey Ambulance Bus, as described in these specifications, to City no later than 210 days after receipt of City's Purchase Order, unless extension is granted in writing by the City's Director of Finance, or his designee.

General Description of Scope & Services.

- (a) **Background:** The City of San Antonio is requesting an offer for a MAB Medical Ambulance/Evacuation/MCI Bus ("Ambus" or "Ambulance Bus") in accordance with specifications listed herein. The City requires an Ambulance Bus and intends to use the Ambulance Bus to provide treatment and transportation of ambulatory and/or non-ambulatory patients at the scene of an emergency. This Ambus will be utilized by the Fire Department Emergency Medical Services Division in support of their advance life support program.
- (b) **Description:** The Ambus must be capable of transporting of a minimum of 14 non-ambulatory patients or 24 ambulatory patients or a combination of both, with the capability to expand to 20 non-ambulatory patients utilizing removable storage systems. The Ambulance Bus will be used as an emergency vehicle and, therefore, shall comply with all applicable national, state and local standards for emergency response vehicles. The Ambus must be specifically designed for special missions, such as the care and transportation of the ill or injured at a mass casualty incident, hospital/nursing home evacuation, and rehabilitation of emergency workers during extended operations or severe weather, or weapons of mass destruction mitigation, etc. The Ambus must be designed to be self-sufficient with lighting, electrical generation, heating and air conditioning, ambulatory and non-ambulatory transport capability, medical oxygen distribution system, and storage capabilities for basic and advanced life support equipment. The Ambus shall be capable of being operated independently or in conjunction with conventional air and/or ground ambulances.

The Ambulance Bus must include a custom manufactured interior as specified herein. The Ambus must include stretchers for 20 patients with individually metered oxygen supplies for each patient, a dual large oxygen storage system, generator on slide out tray, attendant seating, medical storage compartments, paramedic work station, loading ramp and ramp storage assembly. CAT5 wiring must be included to incorporate a local area network in the future. Electrical power must be provided as per this specification below.

- (c) **Responsibility of Vendor.** Vendor shall be responsible for delivery of the completed Ambulance Bus and for handling all title documents. Vendor shall be responsible for the completion of pre-delivery inspections.
- (d) **Delivery Location:** Vendor shall deliver the completed, turnkey Ambus to Fleet Operations, 8220 Lindbergh Landing, Brooks City-Base (San Antonio), TX 78235. Delivery to a non-specified location will result in non-acceptance of the equipment by the City. All deliveries must be pre-arranged with a minimum 24-hour notification, NO EXCEPTIONS. Contact Fleet Acquisitions LOUIS MARTINEZ @ (210) 207-4603 for delivery questions. Vehicles with more than 2000 miles accumulated on the odometer will not be accepted. All vehicles are required to have a full tank of fuel.

GENERAL REQUIREMENTS:

These specifications require a complete Ambulance Bus of the type prescribed, ready for operation. Any items omitted from such specifications which are clearly necessary for completion of such equipment and its appurtenances will be considered a portion of such equipment although not directly specified or called for in these specifications.

The price to be quoted shall include all materials, tools, equipment and other costs necessary to fully complete the delivery of the Ambulance Bus pursuant to these specifications. All requirements are considered minimums.

APPLICABLE STANDARDS:

This specification requires conformance of the Ambulance Bus with the Federal Motor Vehicle Safety Standards (FMVSS) applicable for Commercial Buses and the year of manufacture. The AMBUS shall be in complete compliance with all requirements of the laws of the State of Texas for lighting equipment and all warning and safety devices, and with applicable regulations established by the Department of Transportation (DOT) in effect at time the offer is submitted. The AMBUS shall be in complete compliance with Oxygen Certification by: National Fire Protection Association (NFPA 99) American Society of Sanitary Engineers (ASSE) and American Society of Mechanical Engineers (ASME) Certified. Vendor shall include a LETTER OF CERTIFICATION from an independent testing laboratory certifying that the ambulance type and weight required by the bid specification has been examined and tested for compliance to this standard. The Ambus MUST also have a valid State of Texas Inspection Sticker. All bodies and components in this bid will be installed in accordance with the current Ford Qualified Vehicle Modifier (QVM) Requirements. Vendor shall submit documented proof of QVM Certification with offer. Vendor must be properly licensed as required by Chapter 2301 of the Texas Occupations Code. All licensing information must be submitted with your offer. Vendor shall comply with all federal, state and local laws regulating the manufacture, sale and distribution of the Ambulance Bus specified herein.

SUBMITTALS:

(a) APPROVAL DRAWING.

A drawing of the proposed Ambus shall be prepared and provided to the City for approval before construction begins. The finalized and approved drawing shall become part of the contract documents. This drawing shall indicate the chassis make and model, location of the lights, siren, horns, compartments, major components, etc.

A "revised" approval drawing of the Ambus shall be prepared and submitted by Vendor to the City showing any changes made to the approval drawing at City's request. Once approved, no changes shall be made without City's approval. Any revised, approved drawings shall become part of the contract documents.

The Ambus shall be constructed in accordance with the final approved drawing. However, if there is a conflict between these specifications and the drawing, these specifications shall control unless otherwise noted by written amendment.

- (b) ENGINE INSTALLATION CERTIFICATION.** Vendor shall provide a letter from the vehicle manufacturer , and a letter from the engine manufacturer, stating that each approves of the engine installation in the Vendor's chassis. The letter(s) shall be provided *with the offer Response*.
- (c) AMP DRAW REPORT.** The Vendor shall provide, *with the offer Response* and again at delivery of the final drawing (prior to final approval), an itemized print out of the expected amp draw of the entire vehicle's electrical system.
- (d) ELECTRICAL WIRING DIAGRAMS.** Two electrical wiring diagrams, prepared for the model of chassis and body, shall be provided with the vehicle on delivery to the City.

BODY-CONVERSION AND CHASSIS:

The Body-Conversion and Chassis must be rated according to manufacturer's published standards.

AMBULANCE BODY:

The AMBUS body is to be a custom manufactured body for the City of San Antonio The AMBUS body will be of all aluminum construction and of standard design that meets Federal Motor Vehicle Safety Standards (FMVSS) latest specifications at time of bid .

INSPECTION:

The City of San Antonio reserves the right to inspect any vendor's facility prior to award of contract and to inspect all materials and workmanship at any time during the manufacturing process and will have the right to reject all materials and workmanship which do not conform with the specifications, however, the City of San Antonio is under no obligation to make such inspection. Lack of inspection will not relieve Vendor from any obligation to furnish materials and workmanship strictly in accordance with specifications. Expenses for any facility inspection trips will be paid by the City of San Antonio.

COMPLETE UNIT & KEYS:

The completed unit will be new 2011 model or newer with four sets of keys provided for both the module and cab. Exterior module doors and all compartments are to be keyed alike, except where specified below.

The driver and passenger doors will be keyed alike so that one key will operate all ignitions and open all unit cab doors. Module doors and compartment doors will be keyed alike so that one key will open all module and compartment doors for this unit..

QUALITY CONTROL:

Workmanship throughout will conform to the highest standards of commercially accepted practice for this class of work and will result in a neat and finished appearance. All exposed surfaces and edges will be smooth, free from burrs and other projections and will be neatly finished.

CONFORMITY OF UNITS AND PARTS:

All units or parts not specified will be the contractor's standard units or parts and will conform in material, design or workmanship to the best practice known in the automotive industry. All parts will be new and in no case will used, reconditioned or obsolete parts be accepted. Any one part used will be an exact duplicate in manufacture, design and construction in all ambulances delivered as part of this bid. Equipment throughout each ambulance will be installed so that it will be interchangeable among the ambulances.

OMISSION OF DETAILS:

No advantage will be taken by the manufacturer in the omission of any parts or details which make the ambulance complete and ready for service even though such parts or details are not mentioned in these specifications. All units or parts not herein specified will be the manufacturer's standard units.

BRAND NAMES:

In all cases, materials must be furnished as specified, but where brand names are used, consider the term "approved equal" to follow. However there are items in these specifications that may NOT be substituted. Those items are indicated as "NO SUBSTITUTE". It should be understood that specifying a brand name, components and/or equipment in these specifications will not relieve the supplier from his responsibility to produce the product in accordance with the performance warranty and contractual requirements. The supplier is responsible for notifying the City of San Antonio of any inappropriate brand name, component and/or equipment that may be called for in these specifications, and to propose a suitable replacement for consideration.

REPLACEMENT PARTS, MAINTENANCE MANUALS AND PARTS BOOKS:

A supply of replacement parts for the ambulance specified must be guaranteed by Vendor for a 10 year period from date of purchase. Vendor shall keep parts books and maintenance manuals up to date for that period. Three complete sets of maintenance manuals, wiring diagrams (including 1 laminated 11" x 17" as built wiring diagram), drawings and other pertinent data, and 3 sets of parts books for the entire order will be furnished at the time of delivery of the Ambus, along with 1 owner's operation manual per unit. Each laminated electrical drawing shall include the shop order number of that specific vehicle.

WARRANTY AND RESPONSIBILITY FOR MATERIALS AND ACCESSORIES:

Vendor shall warrant all materials and accessories used in the ambulance whether the same are made by the Vendor or purchased under subcontract from an outside source.

Vendor will state, in detail, the warranty provisions offered covering the proposed ambulance and all optional equipment as to defective workmanship and/or material. Vendor will be responsible for all transportation charges on replacement

parts during the warranty period. The San Antonio Fire Department Shop personnel will be authorized for warranty repairs at the current City shop rate. A sample warranty claim form must be provided.

LOCATIONS OF NEAREST PARTS DEPOT AND TECHNICAL SERVICE REPRESENTATIVE:

Vendor will provide the name(s) and location(s) of technical service and parts representative responsible for assisting the City, as well as the location of the nearest depot which will furnish a complete supply of parts and components for the repair and maintenance of the vehicle to be supplied. The City of San Antonio reserves the right to request the vendor to provide a qualified mechanic technician to the San Antonio Fire Department Shop at anytime during the warranty period at the vendor's expense, until the City of San Antonio is satisfied with the repair product.

An authorized repair center working directly for Vendor must be within a 100-mile radius of the City of San Antonio. If the service center is a contracted service center, a copy of the contract shall be provided to the City

PARTS:

All body parts will be standard items and will be available for repair or replacement within forty-eight (48) hours. Vendor must stock, or have available for immediate replacement, all parts of body as listed in parts manual.

GUARANTEE:

The Vendor shall guarantee the manufacturer's warranty for cab and chassis and all other assembled component parts as if purchased from the original manufacturer. The modular body warranty shall be 5 years or greater. The ambulance conversion warranty shall be equivalent in duration to the chassis manufacturer's warranty.

DESCRIPTIVE MATERIALS AND PHOTOGRAPHS:

Vendor shall furnish descriptive materials such as plans, drawings, photographs, diagrams, illustrations, written descriptions and manufacturer's literature which will enable the San Antonio Fire Department to determine the exact quality, design and appearance of the ambulance Vendor proposes to furnish. All equipment listed or shown in the manufacturer's literature, drawings and photographs are to be furnished.

PRE-CONSTRUCTION MEETING:

There will be a pre-construction meeting at the manufacturer's site with Vendor and representatives of the SAFD. This meeting will be held prior to the start of the vehicle construction to clarify any specification requirements. Cost of travel, lodging and meals for this conference for City employees will be provided by the City. The meeting shall be scheduled at dates/times/locations mutually agreed upon between the manufacturer's representative and the regional representative.

INSPECTION TRIP:

There will be an inspection trip made by representatives of the City to the factory when the vehicle is completely finished, and when the vehicle is in a state of construction that allows a view of all welding and extrusions, compartment dimensions, wiring and intended insulation. Cabinetry will be available for inspection, but not installed. The City of San Antonio will provide costs for lodging, meals and transportation for its employees. Inspection trip schedule will be finalized at the pre-construction meeting. This does not exclude other inspection trips with prior notification by City of San Antonio representative.

ADDITIONAL REQUIREMENTS

Manufacturer's Statement of Origin (M.S.O.) must be presented before payment for delivered Ambus will be made.

Upon delivery of Ambus to the City of San Antonio, vendor will provide complete instruction by a qualified representative on the proper operation of all equipment. M.S.O. and invoice must be presented upon delivery.

SPECIFICATIONS

ITEM	QUANTITY	DESCRIPTION
1	1 Each	MAB Medical Ambulance/Evacuation/MCI Bus, Thomas Heavy Duty Front Engine Transit Chassis

The body and chassis will be a new 2011 (or newer), Medical Ambulance Bus prep package with all components and standard equipment and any other options as may be necessary to fully comply with its intended use as an Advanced Life Support response vehicle.

PRICE SCHEDULE

ITEM	QUANTITY	DESCRIPTION
1	1 Each	MAB Medical Ambulance/Evacuation/MCI Bus, Thomas Heavy Duty Front Engine Transit Chassis

PRICE: \$381,270⁰⁰ EACH \$381,270⁰⁰ TOTAL

MAKE & MODEL & YEAR OFFERED: Thomas MVPEF 1418N

ENGINE OFFERED: Cummins

DELIVERY: Delivery will be made with 210 calendar days after issuance of purchase order.

CHASSIS SPECIFICATIONS

CHASSIS:

Chassis Type: Thomas Heavy Duty Front Engine Transit Chassis

Air Cleaner: Shall be heavy-duty replaceable type. Air cleaner shall be mounted outside the passenger compartment with proper ducting to provide adequate engine aspiration. Location of the air intake shall be above the radiator for cleanest possible air. The air cleaner shall be readily accessible for servicing. The air cleaner shall include an air restriction indicator.

Air Inlet with Automatic Eject: A single air inlet with Kussmaul Air Eject or equivalent shall be provided. It shall allow station air to be supplied to the vehicle brake system through a shoreline hose. The inlet shall automatically disconnect the air line when the truck is started. It shall be equipped with a male coupling and shall be located in the driver side lower step well of the cab. A check valve shall be provided to prevent reverse flow of air. The inlet shall also be provided with the loose equipment.

Alternator: Shall be 12 volt/320 amps and provide at least 50% of the rated charge at engine idle.

Axles: Front: 13,200 lb capacity. I-Beam type with Serviceable Needle Bearing Kingpins with sealed bushing and tapered roller thrust bearings. Synthetic oil hubs.

Axles: Rear: Heavy Duty. 23,000 lbs. Capacity single reduction, spiral bevel gearing. Gear Ratio shall be so that vehicle can maintain a road speed of 75 MPH.

GVWR of the Front and Rear axles shall be large enough to properly handle the weight requirements of a 20 stretched passenger Medical Ambulance/Evacuation Bus application.

Batteries: Triple GRP 31 with top mounted threaded studs. There shall be a minimum of 1,000 cold cranking amps per battery at 0 degree. Batteries shall have 200 minutes of reserve capacity per battery at 80 degrees Fahrenheit.

A master battery cut-off switch shall be provided within easy reach of the Driver.

Battery boxes (2) shall be located aft of left front wheel. Exterior doors shall have a security lock keyed the same.

Aft battery box to have single GRP 31 top mounted threaded studs and shall have a 1,000 CCA at 0 degrees Fahrenheit. Battery shall be dedicated to the generator only.

Block Heater: Engine to have a 750 watt block heater powered by the Kussmaul shoreline with an on/off switch located in the driver's area, allowing for disconnect during summer months.

Brakes: System designed to meet all requirements of FMVSS-121 in effect at time of manufacture.

Antilock Brakes: 4-channel ABS with indicator light on dash. Front wheel speeds are sensed individually and the wheel approaching lock up to minimize steering input governs front brake application pressure modulator. Rear wheel speeds are sensed individually and rear brake application pressure modulation is governed by individual wheel speeds to maximize braking effort. The system is activated by the ignition switch and actuated by brake application. Every time the ignition switch is turned on the system runs an automatic function check.

Air Brakes: Front chamber 24 sq in. Rear chamber 30 square inches, S-cam type. Automatic slack adjusters. Brake size front 16 1/2" x 6" minimum. Brake size rear 16 1/2" x 8" minimum. Parking brake will be 30 square inches. Spring type combination rear service and parking brake. Activated by a dash mounted control valve. A minimum of three air reservoirs with automatic air drain on the wet tank. Total reservoir capacity shall be a minimum of 4500 cubic inches. All airlines are to be color coded for ease of identification and service. The airlines shall be made of nylon or equal to withstand vibration. The system shall include dual air pressure gauge and alarm system which will automatically activate when air pressure reaches 60 psi or less. Air Dryer shall be Bendix AD- 9 with heater.

Cooling System: Heavy-duty stacked configuration radiator with a minimum capacity of approximately 50 quarts. For optimum airflow through cooling system the radiator shall include an integral de-aeration top tank to provide complete coolant de-aeration. Sight glass to be installed and clearly visible through the front grille. Cooling fan shall be 9 blades electronically and thermostatically controlled.

Cruise Control: Vehicle shall have cruise control.

Drive Line: Heavy-duty with safety guard to prevent shaft from whipping through the floor or dropping to the ground in the event of failure.

Engine: Cummins ISB 260 hp with 620 lb-ft torque @ 1400 RPM. Must be certified to meet 2010 US EPA Emission and utilize SCR Technology for industry commonality.

Engine/Transmission/Axle Ratio shall be rated to allow a road speed of 75 MPH.

Engine Compartment: Shall be a durable, lightweight fiberglass interior engine cover. There shall be a separate access door located in the cover for access to all engine fluid fill and checks without opening the engine cover. The engine cover shall not exceed 11" from the body floor at the rear and shall not extend more than 36" from the dash. The engine cover shall provide a highly effective seal with thermal and acoustic insulation. The top of the engine cover shall include a diamonette metal step tread for durability.

Frame: Minimum frame size to be 10" x 3" x 1/4" Yield strength to be a minimum of 50,000 psi. The frame shall be assembled using grade 8 bolts. The frame rails shall be full size and 1 piece from front to rear. Frame rails are punched.

Fuel Tank: 100-gallon capacity minimum, meeting all requirements of FMVSS-301. The tank shall be located between the frame rails and immediately aft of the rear axle. The bus floor shall include an access plate for servicing the sending unit of the fuel tank. An outside fuel filler door will be provided. Fuel tank is protected with a heavy duty cage. Left side fuel fill.

Instrument Panel:

Speedometer/7digit odometer with tenths on tripmeter

Tachometer/Hourmeter

Oil pressure gauge

Water temperature gauge

Fuel gauge

Voltmeter

Dual air pressure gauge
Combination directional signal/headlight with dimmer switch
Warning lights and buzzers for oil pressure,
Water temperature, and air pressure
Hazard warning switch on steering column
Ammeter
Key type starter and engine stop switch
Dash to have digital display to allow for troubleshooting engine.

Rust-proofing: All chassis framing, fasteners, and suspension system are to be painted with a rust inhibiting paint or coating.

Shock Absorbers: Heavy duty direct acting double action piston type. 2 front and 2 rear.

Springs/Suspension: Front: Heavy-duty taper leaf type (parabolic leaf), rated at a minimum of 6,600 lbs. each side front. Springs to be mounted inboard to provide at least 45 degree turn angle.

Springs/Suspension: Rear: Heavy-duty Air-Ride suspension shall be provided. The two air springs shall have two parabolic trailer arms with rubber bushings for lubrication free maintenance. Suspension capacity shall be 23,000 GVW.

Rear Air suspension shall be equipped with a rear dump valve for the purpose of kneeling the rear of the bus upon loading and unloading of stretcher patients.

Steering: Integral full power Ross TAS-65 20.42:1 ratio with tilt and telescoping 18" 2 spoke padded steering wheel.

Tires: Single front and dual rear. Goodyear or Michelin 11R x 22.5 - 14 Ply Tires.

Transmission: Allison 3000 Transmission.

Wheels: Steel disc type 8.25 x 22.5 10 hole hub piloted wheels. 1-piece size to fit tire selected. Front and rear wheels to be fitted with polished aluminum covers.

Wiring: Color coded and numbered. Wiring harness enclosed in protective convoluted conduit. Wiring shall be protected by a manual resetting circuit breaker.

BODY SPECIFICATIONS:

Air Horn: Two (2) Air horn shall be supplied and mounted in the front bumper activated by a floor switch.

Backing Alarm:

A smart backing alarm shall be provided that sounds whenever the vehicle is in reverse. The smart alarm automatically adjusts its sound output, maintaining a minimum of 5DB(A) above noise level, up to a maximum rated output of 112 DB.

Backing Camera: Backing camera has a 6" color LCD monitor with sound.

Battery Mounting: Two skirt mounted battery boxes. 14.25" High x 25.5" Wide x 22.75 " Deep. Steel roller (ball bearing type) slides and slide out tray.

Bumper:

- A. Front: Shall be chrome and shall be a minimum of 9 12" high after forming with a minimum section modulus of .5369 square inches for added strength.
- B. Rear: Shall be one-piece 3/16" steel x 12" high. The rear bumper shall extend off of the back of the bus 10" for ease of loading and unloading stretcher patients. Top of the bumper shall have a welded 1/8" thick diamond plate step.

Construction: The bus body shall be constructed of prime commercial quality 20 gauge steel. The bus body shall be constructed to meet or exceed all state and federal requirements in effect at the time of manufacture. The internal skeletal structure is welded. Roof Bows: The roof bow frame assembly shall consist of 14 gauge hat section bows extending from

the bottom of floor line on one side to the other. Bow frames shall be continuous, one-piece, 14 gauge rolled channel hat sections 1 ½ " deep, mounted on 27" centers to provide a rollbar type protection.

Floor: The floor shall be constructed of 14 gauge "C" channels forming an "I" beam crossmember every 9". These "I" beam crossmembers shall be equal to a 9-gauge thickness at the floor sill and shall extend the full width of the flat floor area and shall be designed so as not to trap moisture. All floor crossmembers shall be welded to 16 gauge rail, which extend the entire length of the body floor on each side. This floor bumper shall also serve as the interior seat rail, to be used for mounting seats. This floor bumper shall be welded at each point of intersection with the body bows.

Color: Solid color exterior polyurethane paint

Defrosters: Defrosters shall be sufficient in capacity to keep windshield clear of fog, snow, and ice. Unit to have full-length windshield defroster channel for supplying hot air to windshield.

Door: Entrance, Front – Outward opening sedan type door upper and lower clear view glass, with key lock and door stay to hold door in open position.

Door: Rear Loading - Rear loading door shall be of sufficient size to accommodate stretcher patients to be carried through and into the bus. Minimum Dimensions shall be approximately 36"W x 71"H. Door is split upper type with pneumatic shocks to hold top portion of door in the open position for loading of patients. Door shall have a locking mechanism that locks the door in the closed position or open position to prevent the door from closing while vehicle is being loaded or unloaded. Glass in rear loading door shall have privacy tinting to allow light in and to limit viewing of the inside of the bus from the outside.

Drip Molding: Threaded through bows the entire length of vehicle to form a roll cage.

Electrical: Access- Main body wiring harness is fully accessible thru removable raceways, removable shelves and access panels on driver's side of vehicle.

Wiring harness is protected by manual reset circuit breakers.

Wiring is color coded and numbered and flame retardant.

The main vehicle electrical junction box is located below the driver's window and accessible from the exterior thru a hinged door with locking exterior release. A Wiring diagram is attached to back side of electrical access door.

Floor Construction: Floor constructed of 14-gauge galvanized or Galvalume steel C channels forming an I-beam cross-member every 9" equal to 10-gauge thickness and shall extend full length of body. Crossmembers shall also extend the full width of body except at the wheelhouse area. All floor cross-members are to be welded to a 14 gauge steel floor channel bumper extending completely around the outside edge of floor construction. This bumper is also to be welded at each point of intersection with body bows. There shall be a marine grade plywood sub-floor of a nominal 5/8". Altro "Chroma" 2.7mil series floor covering only. Color shall be Mineral TFCR 2730.

Fuel Tank Opening: Exterior: The exterior fuel fill opening shall be covered with a hinged metal door, which contains a positive latch. Interior: The interior fuel tank opening shall contain an access plate in the floor located above the fuel tank for servicing fuel tank sender and connections.

Generator Compartment: Generator compartment shall be located in front of rear wheels on driver's side. Compartment shall be lighted with LED lighting and be large enough for a 20kw generator and insulation. Generator compartment shall have exterior door that when opened, will maintain open position with pneumatic springs or by chaining door open.

Heater & Defrosters: Front heater/defroster shall be of the copper coil design type with aluminum fins. Heater to be easily serviceable, with cleanable air filters. The front heater shall have a minimum rating of 90,000 BTU's with ducting for driver's heat. The heater ratings shall be based on testing as outlined by SBMI. The heater fans shall blow air toward the front and rear.

Air Conditioning and Heating System: Four (4) 13,500 BTU (each) roof mounted air conditioner/heating units, 110volt. Roof sections will be reinforced where units are mounted. Each climate control unit shall be wired separately and protected with an individual circuit breaker in the electrical control panel. System will have additional ducting providing conditioned air to the driver. One HVAC unit shall be powered by the shoreline to provide cooling and heating while vehicle is not in operation.

Exhaust Fans, Interior: Two (2) air exhaust fans in the interior floor area shall exhaust interior air as exterior air is brought into the vehicle from air conditioning / heating units or through roof hatches.

Insulation: Ceiling, sides, and rear panels shall be insulated with a minimum 1 ½ " thick blanket-type fiberglass insulation to properly deaden sound, reduce vibration, and provide a thermal barrier. The insulation shall be fire-resistant of type approved by Underwriters Laboratories, Inc. A 1/2" sound absorbing foam rubber padding with black vinyl pebble grain surface shall be installed on the toe board/firewall area to reduce noise and heat in the driver's area.

Lighting: Lights/Exterior: Headlights - Dual seal beam (Halogen). Head lights shall have wig wag switch capability.

- A. Front Directional- (2) In Headlight Assembly
- B. Side Directional- (2) LED amber and (2) red
- C. Cluster Lights- (3) amber LED front and (3) Red LED rear
- D. Marker Lights- (2) front LED corners, (2) rear LED corners and (2) (each side) amid ship LED roof
- E. Rear Directional- (2) 5" x 8" rectangular LED Amber
- F. Stop/Tail- (2) 5" x 8" rectangular LED Red and (2) 4" Round LED Red
- G. Back-Up- (2) 5" x 8" rectangular LED white.
- H. All lights comply with FMVSS 108. All exterior emergency lighting shall comply with NFPA 1901 standards.

Mirrors: Interior- 6" x 30" safety glass with rubber edges

Mirrors: Exterior - Heated remote control transit mirrors.

Mirror heads are made of ABS plastic. Flat mirror size is 7" x 9.75". Convex mirror size is 6" x 3.75". Total head size is 8" x 15". Mounting arms and bases are cast aluminum, painted black. Both upper flat and lower convex mirrors can be controlled independently.

Mounting: Bus body shall be mounted to chassis frame in such a manner as to prevent shifting. Body and lock tab mounting bracket. Rubber mounting pads reinforced with fiber shall be used to cushion the body on the chassis at every floor cross-member. Body to chassis mount brackets to be double bolted.

Mud Flaps: Rubber mud flaps front and rear. Rear mud flap to be full width of body

Mud Guards: Reinforced steel mud guards front and rear of all wheels from floor to bottom of skirt.

Paneling: Exterior Roof:

The roof panels are to be 20 gauge zinc-coated steel, riveted to each body bow frame. The roof panels are to be one piece from window header to window header lengthwise over seams. All roof sheets are to be overlapped from the front to the rear and sealed to prevent leaks. The rear most roof panel will be overlapped by the corresponding sheet as installed to the front of the bus. Each bus shall be completely water tested for assurance of no leaks. Roof shall be reinforced with internally welded roof reinforcements from rafter to rafter longitudinally, and riveted or welded to roof bows to provide extra strength in the overhead area. Exterior panels shall be primed both sides before assembly.

Paneling: Exterior:

Exterior panels shall be primed both sides before assembly for rust prevention. The exterior side panels shall be at least 20-gauge sheet steel, riveted to both flanges of the roof bows.

Reflectors: (3) on each side and (2) on rear.

Roof Escape Hatches: (2) two roof escape hatches

Hatches are capable of opening fore or aft to allow air to enter or exit the vehicle.

Rub Rails: Two aluminum rub rails with rubber inserts. One located below regular window line and the other located at the floor line.

Rubber Fenderettes: (4) Installed at each wheelhouse opening.

Seat: Driver: Deluxe air operated high back driver's seat with dual armrest and dual shocks. Driver seat belt is to be integrated into the seat. Seat will move aft and fore, up and down and recline. Seat shall also have air operated lower lumbar support. Vinyl cover to match interior of the vehicle.

Service Access Openings: Service Access Openings shall be provided for access to the following components: Engine access door for servicing, engine oil, transmission fluid and power steering fluid without removing the engine cover. Left and right front hinged panels for access to wiper motors, heater filters, washer reservoir, and electrical components. Center front access panel door - removable without tools to access the radiator.

Step Well: Step well shall consist of (3) steps covered with non-skid rubber tread (Altro Flooring). 12-volt LED lighting will be provided in the step-well area. Step well to have sound abatement package to help eliminate road noise. Step well to have hand rails on each side of steps. Step well to have chassis step well guard to aid in preventing damage to step well.

Storage Compartments: Exterior- (1) Lighted storage compartments with door and lock 56" long minimum. Box is located driver's side behind rear axle.

Switch Panel: Shall be mounted to the left of the driver with switches for the electrical components. Rocker type switches are to be supplied. The switches shall provide illuminated lenses, international symbols and labeling for the appropriate functions. The switches are to be rated at 20 amps minimum at 12-volts DC. Control panel illumination to be controlled by the headlamp switch rheostat. Switches are to be angled at 45° for driver accessibility.

Undercoating: Entire underbody and MAB conversion options, located under floor, shall be completely undercoated with asphalt emulsion water-based undercoating after body to chassis mounting for maximum rust-proofing.

Visor: Front and left sun visors for driver.

Window: Driver's Area - Split window transit style with tempered tinted glass and latch.

Windshield: 4-piece flat tinted glass set in rubber with 5" tinted band.

Windshield Washer: Washer reservoir to be one gallon capacity and accessible through interior access door located at the top of the stepwell. Electric operated with wiper arm spray reservoir (1) gallon capacity.

Windshield Wipers: (2) Bottom mounted electrically operated with parallelogram type arms with variable speed and intermittent feature. Access to wiper motors to be provided through hinged exterior access panels.

CONVERSION PACKAGE

12v Power Outlets: (1) 12v plug in style outlets for 12v equipment power shall be located within easy reach of the driver. 12v outlets shall be installed for each patient (near patient's feet on wall), 12v outlets shall be installed for medical equipment that will be used on the bus and 12v outlets will be installed near all attendant seats. 12v Power Outlets shall be equipped with a medical diode isolator.

Additional 12v outlets shall be provided for customer installation of communications system. Outlets shall be under dash near driver and behind nurse's station. 12v Power Outlets shall be equipped with a medical diode isolator.

Air Brake Inlet (1) external quick connect air line fitting to allow external air line to be attached to bus while secured in parking bay to maintain air brake/air ride system pressure.

A/C Heating System: (4) 13,500 BTU (each) roof mounted air conditioner/heating units with thermostats. 110 volt. Roof sections shall be reinforced where units are mounted. Each climate control unit shall be wired separately and protected with individual circuit breaker in the electrical control panel.

Battery Charger: 40 amp, exterior hookup battery charger shall be supplied. Charger must be designed to maintain vehicle's batteries at peak charge while vehicle is not being operated and run off the shoreline. Exterior battery charge readout monitor shall be located near the battery charger exterior hookup location.

Carbon Monoxide / Four Gas Detector: Manufacturer will install (2) four-gas detector/monitor with alarms (provided by the Southwest Texas Regional Advisory Council), (1) at the rear of the bus and (1) at the front of the bus to warn of unsafe buildup of carbon monoxide, oxygen, combustibles and hydrogen sulfide in the bus cabin.

Ceiling Grab Rails: Stainless steel ceiling grab rails shall be located front to back on each side of the bus aisle.

Curtain: A non-light penetrating sliding curtain shall be installed immediately behind the driver from floor to ceiling and from side to side to keep all light from reaching the driver's area during vehicle operation at night.

ELECTRICAL SYSTEM:

Alternator

A twelve volt (12 V) or greater electrical alternator shall be provided. It shall be 12 volt/320 amp and provide at least 50% of the rated charge at engine idle.

Alternator Output

The alternator shall have a minimum output at idle to meet the minimum continuous electrical load of the vehicle as defined in NFPA 1901/2009 13.3.3, at 200°F (93°C) ambient temperature within the engine compartment, and shall be provided with full automatic regulation.

Alternator to Battery Wiring

The alternator shall be wired directly to the batteries through the ammeter shunt(s), if one is provided, and not through the master load disconnect switch.

Battery "ON" Indicator

A green "battery on" pilot light that is visible from the driver's position shall be provided. A second pilot light shall be located on the outside of the vehicle to warn that the batteries are on when the vehicle is parked.

Battery Access

The batteries shall be readily accessible for examination, testing, and maintenance.

Battery Charge Status

The charge status of the battery shall be determined either by direct measurement of the battery charge or indirectly by monitoring the electrical system voltage.

Battery Charger

An exterior hookup battery charger shall be supplied. Charger shall be designed to maintain vehicle's batteries at peak charge while vehicle is not being operated. Exterior battery charge readout monitor shall be located near the battery charger exterior hookup location (shoreline).

Battery Compartment Ventilation

Where an enclosed battery compartment is provided, it shall be ventilated to the exterior to prevent the buildup of heat and explosive fumes.

Battery Conditioner / Charger - Onboard

An onboard battery conditioner or charger or a polarized inlet shall be provided for charging all batteries. The associated line voltage electrical power system shall be installed in accordance with NFPA 1901/2009 Chapter 22.

Battery Connections

Electronic control systems and similar devices shall be permitted to be otherwise connected if so specified by their manufacturer.

Battery Mounting

The batteries shall be mounted to prevent movement during vehicle operation and shall be protected against accumulations of road spray, snow, and road debris.

Battery Protection

The batteries shall be protected against vibration and temperatures that exceed the battery manufacturer's recommendation.

Battery System CCA Rating

The battery system cold cranking amps (CCA) rating shall meet or exceed the minimum CCA recommendations of the engine manufacturer.

Battery Type

Batteries shall be of the high-cycle type.

Cable Covering

The overall covering of jacketed cables shall be moisture resistant and have a minimum continuous temperature rating of 194°F (90°C), except where good engineering practice dictates special consideration for cable installations exposed to higher temperatures.

Circuit Protection

Circuit protection shall be accomplished by utilizing fuses, circuit breakers, fusible links, or solid state equivalent devices.

Circuit Protection Devices

If a mechanical-type device is used, it shall conform to one of the following SAE standards:

SAE J156, Fusible Links

SAE J553, Circuit Breakers

SAE J554, Electric Fuses (Cartridge Type)

SAE J1888, High Current Time Lag Electric Fuses

SAE J2077, Miniature Blade Type Electrical Fuses

Circuit Specifications

All circuits shall otherwise be wired in conformance with SAE J1292, Automobile, Truck, Truck-Tractor, Trailer, and Motor Coach Wiring.

Conductor Covering

The overall covering of conductors shall be moisture-resistant loom or braid that has a minimum continuous rating of 194°F (90°C) except where good engineering practice dictates special consideration for loom installations exposed to higher temperatures.

Conductor Insulation

Physical and dimensional values of conductor insulation shall be in conformance with the requirements of SAE J1127 or SAE J1128, except where good engineering practice dictates special conductor insulation.

Conductor Material

Conductor materials and stranding, other than copper, shall be permitted if all applicable requirements for physical, electrical, and environmental conditions are met as dictated by the end application.

Conductor Specifications

All conductors shall be constructed in accordance with SAE J1127 or SAE J1128, except where good engineering practice dictates special strand construction.

Switches, Relays, etc.

Switches, relays, terminals, and connectors shall have a direct current (dc) rating of 125 percent of maximum current for which the circuit is protected.

Wire Specifications

All insulated wire and cable shall conform to SAE J1127, Low Voltage Battery Cable, or SAE J1128, Low Voltage Primary Cable, type SXL, GXL, or TXL.

Wiring

All shall be color coded and numbered. Wiring harness shall be enclosed in protective convoluted conduit. Wiring shall be protected by a manual resetting circuit breaker.

Wiring Identification

Wiring shall be uniquely identified at least every 2 ft (0.6 m) by color coding or permanent marking with a circuit function code. The identification shall reference a wiring diagram. [See NFPA 1901/2009 4.20.2.3(6).]

Wiring Restraining

Wiring shall be restrained to prevent damage caused by chafing or ice buildup and protected against heat, liquid contaminants, or other environmental factors.

Wiring Size and Type

The circuit feeder wire shall be stranded copper or copper alloy conductors of a gauge rated to carry 125 percent of the maximum current for which the circuit is protected.

Wiring Specifications

All electrical circuit feeder wiring supplied and installed by the vehicle manufacturer shall meet the requirements of NFPA 1901/2009 13.2.1 through 13.2.8.

Wiring Voltage Drops

Voltage drops in all wiring from the power source to the using device shall not exceed ten (10) percent.

Documentation

The manufacturer shall deliver the following with the vehicle:

Documentation of the electrical system performance tests

A written electrical load analysis.

Electrical Access

Main body wiring harness shall be fully accessible through removable raceways, removable shelves and access panels on driver's side of vehicle. Wiring harness shall be protected by manual reset circuit breakers.

Wiring shall be color coded and numbered and flame retardant. The main vehicle electrical junction box shall be located below the driver's window and accessible from the exterior thru a hinged door with locking exterior release. A wiring diagram shall be attached to back side of electrical access door.

Electrical Device Temperature Exposure

Any alternator, electrical starting device, ignition wiring, distributor, or ignition coil shall be moisture resistant and protected such that it is not exposed to a temperature that exceeds the component manufacturer's recommendations.

Electrical System

Shall be a 120/240 volt rated system and shall include a waterproof interior service panel junction box. The box shall have a 125 Amp rated capacity with UL Listed resetting type circuit breakers. Each of the AC/Heat units shall be protected with an individual circuit breaker. All of the A/C electrical system shall be installed using EPM 12ga. 3-conductor (10\3) multi-stranded boat wire, 600 volt UL approved. All wire shall be color coded and grounded throughout the system. Ten (10) interior quad outlets shall be provided. Locations shall be determined by interior layout.

Electromagnetic Interference

Electromagnetic interference suppression shall be provided, as required, to satisfy the radiation limits specified in SAE J551/1, Performance Levels and Methods of Measurement of Electromagnetic Compatibility of Vehicles, Boats (up to 15 m), and Machines (16.6 Hz to 18 GHz).

Ground Connections and Star Washers

The use of star washers for circuit ground connections shall not be permitted.

Insulation Altering

Wire nut, insulation displacement, and insulation piercing connections shall not be used.

Jump-Starting

An exterior means shall be provided for jump-starting the engine utilizing an Anderson-type connection.

Low Voltage Electrical - General

Any low voltage electrical systems or warning devices installed on the vehicle shall be appropriate for the mounting location and intended electrical load and shall meet the specific requirements of NFPA 1901-2009 Section Chapter 13.

Low Voltage Failure Alarm Specifications

If electrical system voltage is monitored, the alarm shall sound if the system voltage at the battery or at the master load disconnect switch drops below 11.8 V for 12 V nominal systems, 23.6 V for 24 V nominal systems, or 35.4 V for 42 V nominal systems for more than 120 seconds.

Low Voltage System Failure Alarm

The condition of the low voltage electrical system shall be monitored by a warning system that provides both an audible and a visual signal to persons on, in, or near the vehicle of an impending electrical system failure caused by the excessive discharge of the battery set.

Low Voltage System Testing and Certification

The vehicle low voltage electrical system shall be tested as required by this section, the test results shall be certified by the vehicle manufacturer, and the certified test results shall be delivered with the vehicle.

Master Battery Switch

A master battery switch, to activate the battery system, shall be provided inside the cab within easy reach of the driver.

An indicator light shall be provided on the instrument panel to notify the driver of the status of the battery system.

Master Load Disconnect

A master load disconnect switch shall be provided between the starter solenoid(s) and the remainder of the electrical loads on the vehicle.

Minimum Continuous Load

With the engine off, the battery system shall be able to provide the minimum continuous electrical load for ten (10) minutes without discharging more than fifty (50) percent of the reserve capacity and then to restart the engine.

Minimum Continuous Load Calculation

The minimum continuous electrical load shall consist of the total amperage required to simultaneously operate the following in a stationary mode during emergency operations:

- A. The propulsion engine and transmission
- B. All legally required clearance and marker lights, headlights, and other electrical devices except windshield wipers and four-way hazard flashers
- C. The radio(s) at a duty cycle of 10 percent transmit and 90 percent receive (for calculation and testing purposes, a default value of 5 A continuous)
- D. The lighting necessary to produce 2 fc (20 lx) of illumination on all walking surfaces on the vehicle and on the ground at all egress points onto and off the vehicle 5 fc (50 lx) of illumination on all control and instrument panels, and 50 percent of the total compartment lighting loads
- E. The minimum optical warning system required in Section 13.8, where the vehicle is blocking the right-of-way
- F. The continuous electrical current required to simultaneously operate any medical devices

Outlets - Electrical

Ten (10) interior quad 110v AC electrical outlet shall be provided at locations determined during the Pre-Build Meeting for powering medical equipment.

Over-current Protection

Circuits shall be provided with properly rated low voltage over-current protective devices.

Over-current Protection Access

Such devices shall be readily accessible and protected against heat in excess of the over-current device's design range, mechanical damage, and water spray.

Shoreline - Electrical

A shoreline electrical connection shall be provided on the exterior of the vehicle to allow connection to an existing power source such as a building or other generator to operate all on-board options. This feature shall allow vehicle to remain connected to external power source for an unlimited amount of time. Shall include power to one air conditioner, battery charger, block heater and other systems listed in this specification.

Starter – Solenoid to the Battery

The starter solenoids shall be connected directly to the batteries.

- 52.. Emergency Lighting/Flashlight: Three (3) StreamLight Litebox rechargeable HIM – one million candlepower high intensity flashlight mounted at each nurse's station and in the driver's compartment. A 12v outlet shall be dedicated to this flashlight to maintain battery charge.
53. Exhaust Fan: Interior: (2) air exhaust fans in the interior floor area to exhaust interior air as exterior air is brought into the vehicle from air conditioning/heating units, through open doors/window or from roof escape hatch vents
54. Generator: Diesel powered 20 KW 175 watt Martin Diesel Generator. Generator will be equipped with air bag shock isolators to decrease vibration. Fuel source shall come from the main vehicle fuel tank. Generator shall be mounted on a slide out tray for easy servicing. Dual locks shall lock the generator in the stowed position when the tray is returned to normal operating position.
- 55.. Generator compartment shall have a sealed ball bearing slide out tray for easy access for servicing generator. Compartment to be insulated to reduce heat and noise transferred to interior of the vehicle. Generator exhaust shall exit left side of the vehicle.
56. Generator Controls: Generator start, run, stop, preheat switch and hour meter shall be located within easy reach of driver. Exterior generator service controls shall be located in the generator compartment.
- 57 Graphics: The final Lettering and Graphics package shall be specified by the Purchaser during the pre-build conference. The package shall include:
 - A. Chevron Markings, Rear
The vehicle body's outer rear portion shall have reflective band six inch (6") wide striping installed over 100% of available surface area. The chevron style stripe shall be applied at a 45-degree angle, pointing towards the center upper portion of the rear panel. Color of the chevrons shall be finalized during the Pre-Build Conference.
 - B. Decal Installation
Decals per agreement during the Pre-Build conference.
 - C. Paint Color
Exterior polyurethane paint, of a color to be decided at the Pre Build Conference, shall be applied and approved prior to the application of decals.
- 58.. Intravenous Fluid Hangers: (7) Recessed ceiling mounted IV Hangers. IV hangers to be mounted at the head of each stretcher position.
59. Lighting: Interior- (13) interior 12 volt LED dome lights, with driver's dome light with separate switch. Rheostat control for all interior lighting with control switch located at the nurse's station.

60. LED Ceiling Lights - Whelen model 86CE1 ceiling mounted LED operational recessed lighting located in approximately every other ceiling panel location throughout bus and over nurse's station. Lighting to show exact patient skin tone.
61. Checkout Timer - A dial located next to the front door will illuminate 40% of the interior lights for a maximum of 15 minutes without having the electrical system on.
62. Exterior Under-Vehicle Lights - Minimum of Eight (8) waterproof under-vehicle exterior LED lights to illuminate the area around and under the vehicle.
63. Scene Lights - (8) Fire Research 900 series flush mounted LED or Whelen Pioneer series flush mounted LED scene lights, (3) on each side of vehicle and (2) on the rear of the vehicle. Turn on/off switches located in the front and the rear of the vehicle, separate from emergency lighting / switch panel. When vehicle is placed in reverse, both the rear scene lights and the rear lights on both sides of the MAB should illuminate.
64. The bus shall be equipped with lighting that is capable of providing illumination at a minimum level of 2 fc (20 lx) on ground areas within 30 inches of the edge of the vehicle in areas designed for personnel to climb on to the vehicle or descend from the vehicle to the ground level.
65. Nurses/Paramedic's Station: (1) Paramedic's Station 47"W x 36 2/4"T x 27.75"D with (6) six pull out drawers located in front of the vehicle on the driver's side. An additional station is located amidships as well, per the final design confirmed at the Pre-Build Conference.
66. Overhead Cabinets: Overhead cabinets with Plexiglas sliding doors shall be located above the nurse's station.
67. Oxygen System: Oxygen system shall be a split design, (two separate oxygen systems). Individual metered oxygen connections with quick disconnect fittings for (20) twenty patients shall be provided. Oxygen tanks shall be located in an area that gives unobstructed access for ease of maintenance and refill. Oxygen tanks shall be mounted in sliding oxygen tank cradle assemblies that slides in/out for ease of maintenance or changing of the tanks. Oxygen system shall have an oxygen monitoring system with master alarm, zone valve box. Oxygen system will be installed by NFPA 99/ASSE/ASSME Certified Personnel. There shall be a minimum of (20) individual metered oxygen ports for patients. All patients shall have an individual adjustable metered oxygen supply (.05 - 25.0). One additional oxygen wall connection shall be mounted adjacent to each existing oxygen wall supply that feeds the individual metered oxygen ports for patients. This additional connection provides additional respiratory therapy to an individual patient without interrupting the oxygen flow to multiple patients. Emergency oxygen cutoff valve shall be located within easy reach of attendants and driver. Oxygen monitoring system shall be located on the main nurse's work station. Monitoring system shall have a leak detection mode as well as an oxygen level monitoring display for each oxygen system.
68. Oxygen External Connection: Oxygen system shall be capable of being connected to exterior oxygen source (liquid or other source) which will allow the MAB vehicle to remain on-site with continuous oxygen supply for an indefinite period of time.
69. Radio AM/FM/CD: AM/FM/CD Radio with Navigation System, to include (2) speakers shall be installed so controls are easily accessible to the driver. Speakers to be placed throughout the vehicle with individual volume control.
70. Ramp Assembly: A storable loading and unloading ramp will be provided. The two piece ramp with side hand rails will attach to the rear of the bus for loading or unloading of stretcher patients through the back door of the vehicle. The ramp shall be adjustable so that loading or unloading of patients can be done at any angle from 45 up down to ground level. Ramp and ramp storage assembly shall be constructed of heavy duty aluminum. Ramp shall have a minimum weight rating of at least 1,500 pounds and shall be a minimum of 46" wide.
71. Refrigerator: (1) 110v Refrigerator shall be powered by either shore power or generator power. Refrigerator shall be located under the nurse's station countertop.

72. Safety Equipment: (2) 5 lb fire extinguishers.
73. Seats: Attendants: (5) Mid-High Back Flip Up Attendant Seats shall be provided. All seats shall have restraining belts for attendants.
74. Seat: Driver Attendant: Guardian high back seat with restraining system and Pediatric / Child Restraint System
75. Seats: Rehab: (24) Wall mounted flip down seats (24 seated persons). When stretchers are removed and stored on opposite side of bus, seats can be folded down to allow additional seating. Seats will have a securement device to hold seat in up position. Each seat to have passenger restraining belt.
76. Sliding Stretcher Receiver: Stretchers shall be carried into the vehicle and set into the sliding stretcher assembly. The sliding stretcher assemblies are then slid and locked into place to prevent movement of stretchers. Locking pins shall eliminate any horizontal movement of the patient stretcher tray assembly. The stretcher receiver assembly shall have a vertical elimination bracket on each end of the assembly to prevent the stretcher from moving in a vertical movement after the stretcher has been stowed. Sliding Stretcher Assembly Part Number MAB-62550 only.
77. Storage Compartments Interior: Stainless steel medical storage compartments with pull out doors. Compartments are located under attendant seats where available. All compartments are made out of laminated wood covered with stainless steel cover.
78. Large Medical Equipment storage box: (1) three drawer medical equipment/supplies storage compartment 63"L x 28"H x 24"D located across the aisle from the nurse's station.
79. Large Medical Storage Closet: (1) Large medical storage closet shall be located immediately behind the generator compartment and adjacent to the two (2) mid-section attendant seats on the driver's side. Compartment shall have a locking device to secure the door.
80. Overhead Removable Storage Compartments :
Over each stretcher location there shall be large removable stainless steel storage cabinets with sliding doors. Compartments shall be large and shall provide storage for medical supplies or medical equipment. All cabinets shall be easily removable within five (5) minutes and when removed seven (7) additional stretchers can be easily installed within five (5) minutes. Stretcher receivers shall be incorporated into the design of the stretcher receiver assembly so that no additional installations of any type are necessary.
81. Stretchers: (18) Adjustable headrest type non-folding stretchers, 74" x 19".
Stretchers shall have a load limit weight of 350 pounds each.
82. Stretchers: Stryker Rolling: (2) Stryker MX-PRO rolling gurney type
Stretcher located in the rear corners of the vehicle
83. Stretcher Tray Assembly: (18) Stainless steel stretcher tray assemblies shall be provided. Trays shall slide in and out on sliding stretcher assembly. Tray construction shall be stainless steel having all sides of the stretcher tray assembly sloping toward the patient's feet area where a drain plug and discharge cleanout connection is located. Each stretcher tray shall be easily removable within 1 minute without using any tools (provided by Southwest Texas Regional Advisory Council).
84. Stretcher Mounting System: Stretchers shall be mounted in a "stacked assembly" with slide out feature.
85. Suction Units: Installation of (5) 12v suction units shall be mounted in the vehicle. Each suction unit will have its own 12v outlet to maintain battery level.
86. Wheelchair Tiedown Positions: Floor tracking shall be installed and spaced so that, if necessary, wheelchair occupants can utilize the entire open floor area for a wheelchair tie-down system.

- 87.. Wheelchair Tiedown System: (8) wheelchair tiedown kits shall be supplied, SureLok Model FF627S-4C .
- 88. Winch Assembly: (1) under floor fold up winch assembly shall be mounted in the aisle are of the floor approximately at the midpoint of the vehicle. Winch shall be rated at 3500 pounds and will allow caregivers to connect winch to rolling stretcher for loading and unloading bariatric patients.
- 89. Wiring: All wiring needed by purchaser for future equipment use shall be run by the manufacturer during production. Purchaser shall provide manufacturer with locations and numbers of wires needed.

PERFORMANCE STANDARDS

- 1. Angle of Approach and Departure
An angle of approach and departure of at least 8 degrees shall be maintained at the front and rear of the vehicle when it is loaded to the estimated in-service weight.
- 2. Carrying Capacity
The GAWR and the GCWR or GVWR of the chassis shall be adequate to carry the weight of the vehicle when loaded to its estimated in-service weight.
- 3. Generator Test
The generator shall be tested, approved, and certified at Vendor's expense. The test results shall be provided to the STRAC at the time of delivery.
- 4. Height, Maximum (overall)
The maximum overall height of this vehicle shall be one hundred thirty-eight inches (138").
- 5. Load Balance
This vehicle shall be engineered to comply with gross axle weight ratings (GAWR), the overall gross vehicle weight rating (GVWR), and the chassis manufacturer's load balance guidelines.
- 6. Load Distribution
This vehicle, when loaded to its estimated in-service weight, shall have a side-to-side tire load variation of no more than seven (7) percent of the total tire load for that axle. Load Distribution Documentation

The vehicle manufacturer shall calculate the load distribution for the vehicle, and that load distribution plan shall be delivered with the vehicle.
- 7. Vehicle Weight Certification
A final manufacturer's certification of the GVWR or GCWR, along with a certification of each GAWR, shall be supplied on a label affixed to the vehicle.

PROTECTION

- 1. Lift and Tow Mounts
Mounted to the frame extension shall be lift and tow mounts. The lift and tow mounts shall be designed and positioned to adapt to certain tow truck lift systems. The lift and tow mounts with eyes shall be painted bright orange.
- 2. Tow Bar
A tow bar shall be installed under the tailboard at center of truck. Tow bar shall be fabricated of 1.00" cold rolled steel (CRS) bar rolled into a 3.00" radius. Tow bar assembly shall be constructed of .38" structural angle. When force is applied to the bar, it shall be transmitted to the frame rail.

Tow bar assembly shall be designed and positioned to allow up to a 30-degree upward angled pull of 17,000 pounds, or a 20,000-pound straight horizontal pull in line with the centerline of the vehicle.

Tow bar design shall have been fully tested and evaluated using strain gauge testing and finite element analysis techniques. Test reports to be submitted to the STRAC upon delivery of the equipment.

3. **Tow Hooks**
Front and rear tow hooks or tow eyes shall be attached to the frame structure to allow towing (not lifting) of the vehicle without damage.

RADIO/COMMUNICATIONS EQUIPMENT

1. **Antennae**
The vehicle shall be wired to accommodate antennas for the local and regional two-way radio systems as well as computer wireless antenna. Antennae will be provided by the Southwest Texas Regional Advisory Council. All antenna locations will be finalized at the Pre-Build Conference.
2. **Radio Wiring, Equipment and Installation**
Vendor shall install wiring and antennae for radio and satellite systems to allow integration of this unit with local, regional and State radio systems. Installation will include the driver's compartment and the Crew Chief's seat, aft of the side door. All radios, antenna and manufacturer's cabling will be provided by STRAC. Vendor is responsible for installation per the radio manufacturer's instructions. Dedicated Radio Equipment Connection
3. **Intercom System**
A radio communications/intercom system with headsets at the driver seat and each attendant seat and at the paramedic's station. The headsets at the driver seat and at the paramedic's station shall have the ability to talk on the intercom as well as the dual radio interface communications system (Motorola XTL 5000 P-25 compatible radio) that will be installed by the purchaser after delivery.
4. **Ramp**
A storable loading and unloading ramp shall be provided. The ramp shall attach to the rear of the bus for loading or unloading of stretcher patients through the back door of the vehicle. The ramp shall be adjustable so that loading or unloading of patients can be done at any angle from 45 degrees up and down to ground level. Ramp shall have the appropriate handrails and guards. Ramp and ramp storage assembly shall be hot dipped galvanized. Ramp shall have a minimum weight rating of at least 1,000 pounds.

SAFETY

1. **Aggressive Walking Surface**
All exterior surfaces designated as stepping, standing, and walking areas shall comply with the required average slip resistance of the current NFPA standards.
2. **Alarm, Parking Brake**
Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened.
3. **Side View and Rear View Camera System**
Backing camera with a minimum 6" color LCD monitor with sound shall be provided and installed.

Additional monitors for left and right side view cameras will be located on each side of the backing monitor.
4. **Enclosed Crew Riding Positions**
Each crew riding position enclosed by stretcher supports shall be outfitted with sufficient padding, to include the head strike zone, to minimize injuries during an accident. When possible, square edges should be rounded as well.
5. **Maximum Noise Level**
At any seat location, the maximum noise level shall be 90 dBA without any warning devices in operation, as measured by the test procedure defined in 49 CFR 393.94(c), Vehicular interior noise levels test

procedure, except that the test shall be performed with the vehicle traveling at a steady speed of 45 mph (72 km/hr) on a level, paved, smooth-surface road.

6. **Seat Belts**
Seat Belt – Forward Facing Side wall
All forward-facing seats adjacent to a side wall shall be provided with a Type 2 pelvic and upper torso restraint-style seat belt assembly.
7. **Seat Belt Anchorage**
All seat belt assembly and anchorages shall conform to the Federal Motor Vehicle Safety Standard (FMVSS) No. 210, "Seat belt assembly anchorages."
8. **Seats**
Seat Adjustment
When independent vertical and/or horizontal seat adjustment is provided, it shall be fully adjustable within ten (10) seconds.
9. **Seats, Rehab**
Twenty Four (24) wall mounted flip down seats for firefighter rehab, walking wounded or attendants. When stretchers are removed seats can be folded down to allow additional seating.
10. **Signage**
 - A. **Fuel Tank Opening Signage**
The tank fill opening shall be marked with a label indicating the type of fuel to be used.
 - B. **GVWR Signage**
Vendor shall permanently affix a high-visibility label in a location visible to the driver while seated showing the vehicle's GVW.
 - C. **Number of Passengers**
A label that states the number of personnel the vehicle is designed to carry shall be located in an area visible to the driver.
 - D. **Signage - Cab**
A permanent label in the driving compartment shall specify the quantity and type of the following fluids used in the vehicle and tire information:

Engine oil
Engine coolant
Chassis transmission fluid
Drive axle(s) lubrication fluid
Air conditioning refrigerant
Air conditioning lubrication oil
Power steering fluid
Transfer case fluid
Generator system lubricant
Front tire cold pressure
Rear tire cold pressure
Maximum tire speed ratings

- E.. **Vehicle Height / Length Signage**
The label shall show the height of the completed vehicle in feet and inches, the length of the completed vehicle in feet and inches, and the GVWR in tons. Wording on the label shall indicate that the information shown was current when the vehicle was manufactured and that, if the overall height changes while the vehicle is in service, the owner must revise that dimension on the plate.

STORAGE

1. **Compartment Louvers**
All body compartments shall have a minimum of one (1) set of louvers to provide the proper airflow inside the compartment and to prevent water from dripping into the compartment.

2. **Compartment Storage Exterior**
One (1) lighted storage compartment with door and lock fifty-four inches (54") long minimum. Box shall be located driver's side behind rear axle.

3. **Compartment Storage Interior**
Six (6) Six stainless steel medical storage compartments with pull out doors 19.5"W x 15.75"T x 18"D.

Compartments shall be located under attendant seats. All compartments shall be made out of laminated wood covered with stainless steel cover. Large Medical Equipment storage box: One (1) four (4)-drawer medical equipment/supplies storage compartment 63"L x 28"H x 24"D shall be located across the aisle from the paramedic's station.

WARNING SYSTEMS – VISUAL (EMERGENCY LIGHTING):

1. **Electrical Connection**
Each optical warning device shall be installed on the vehicle and connected to the electrical system in accordance with the requirements of the manufacturer of the device.
2. **Emergency Switch Panel**
The emergency switch panel will include a master switch and individual light controls.
3. **Headlight Flashers**
The high beam headlights shall flash alternatively between the left and right side, with a control switch located in the cab on the switch panel.
4. **The flashing shall automatically cancel when the headlight switch is activated, or when the parking brake is set.**
5. **Exterior Emergency Lighting package.**

Zone A (front):

Upper – (7) Whelen LED Light heads – alternating from outside to outside, Red – White – Red – White – Red – White – Red, all lights to have clear lens and colored LEDs.

Lower: (2) Whelen NFPA 1901 Compliant 60R02FRR 6"x4" 600 Series Red Super LED light heads – grille mounted. Clear lens.

Lower Windshield – Whelen Dominator Super LED Light Bar located below windshield (Red, Amber, White, White, Red, Blue). All lights to have clear lens and colored LEDs.

Front corners (2) Whelen NFPA 1901 Compliant 60R02FRR 6"x4" 600 Series Super LED light heads – Clear lenses – (1) each red LED and (1) each clear LED.

Zone B (right side):

Upper - (6) Whelen NFPA 1901 Compliant 90RR5FRR 9"x7" 900 Series Red Super LED light heads; Clear lens with colored LED.

Lower - (5) Whelen NFPA 1901 Compliant 60R02FRR 6"x4" 600 Series Super LED light heads – Blue – Amber – Blue – Amber - Blue in color; Clear lens with colored LED

Zone C (rear):

(4) Whelen NFPA 1901 Compliant 90RR5FRR 9"x7" 900 Series Red Super LED light head. (2) Whelen NFPA 1901 Compliant 90RR5FAR 9"x7" 900 Series Amber Super LED light head. (1) Whelen PS00FRR LED Light (Red) and (1) Whelen PS00FAR LED Light (Amber) shall be mounted on each side of the rear loading door just above bumper. All Light have Clear Lens.

Whelen 900 series scene lights mount on each side of the top of the rear loading door. Lights shall have 12 degree down angle and shall be controlled by a switch at the rear of the bus. Scene light shall illuminate when the vehicle is placed in reverse.

Zone D (left side):

Upper - (6) Whelen NFPA 1901 Compliant 90RR5FRR 9"x7" 900 Series Red Super LED light heads; Clear lens with colored LED.

Lower - (5) Whelen NFPA 1901 Compliant 60R02FRR 6"x4" 600 Series Super LED light heads – Blue – Amber – Blue – Amber - Blue in color; Clear lens with colored LED.

Opticom

Wiring and Installation of an Opticom emitter shall be provided. The wiring for the Opticom shall be switched by an on/off switch located in the cab instrument panel and by the parking brake. The parking brake shall turn off the opticom when applied.

WARNING SYSTEMS – AUDIBLE (Sirens)

1. Audible Warning Device Placement
Air horns, electric siren(s), and electronic siren speaker(s) shall be mounted as low and as far forward on the vehicle as is practical.
2. Audible Warning System – Siren Switch
A means shall be provided to allow the activation of the siren within convenient reach of the driver.
3. Siren
One (1) Whelen 295HFSC9 (with dipswitch #1 in ON position with Tap 2 to Horn Ring) hands free electronic siren, and Park Kill; cab console mounted controls, two 100W bumper mounted speakers.
4. Speakers
There will be two (2) speakers provided. The speakers shall be a Whelen SA314 100watt models mounted in the front bumper. The speaker shall be connected to the siren amplifier. The speaker shall be recessed in the front bumper on the driver and passenger's side.

TRAINING, FACTORY

1. Vendor shall supply a minimum of 8 hours of mechanical familiarization training for a minimum of 2 mechanics. The training shall be held at a location agreed upon prior to delivery.
2. Vendor must also provide all relevant training materials, resources and documentation to City at time of delivery including, but not limited to:
3. Manual CD Chassis Service
4. Manual CD Parts
5. Manual CD Body Part, only
6. Manual, Chassis Operation
7. Manual, Chassis Service
8. Manual, Service

9. Any other materials or documentation deemed appropriate by the Purchaser including any installed equipment.

WARRANTY

Warranty to include or exceed:

1. Medical Ambulance Bus Conversion
(2) Two Year - Unlimited Miles
2. Generator
(2) Two Year / 1500 Hours
3. Rooftop Heat/Air Conditioning
(2) Two Year - Unlimited Mileage
4. Basic IC Vehicle
One Year - Unlimited Miles
5. Body
(5) Five Year - Unlimited Miles
Includes structural components, roof, floor, sides, and front and rear sections; frame rails and cross-members; paint adhesion and rust protection
6. Body
One Year / 12,000 miles
Includes components supplied by outside vendors
7. Drivetrain
(4) Four Year / 48,000 Miles
Includes front and rear axles, propshaft
8. Engine
(5) Five Year - Unlimited Miles
9. Allison Transmission
(2) Two Year - Unlimited Miles

005 - SUPPLEMENTAL TERMS & CONDITIONS

Original Contract Term.

This contract shall begin upon the effective date of the ordinance awarding the contract, or date specified in the award letter if this contract does not exceed \$50,000. This contract shall terminate upon completion of all work described herein or delivery of all goods ordered, as applicable.

Warranty.

A minimum of 90-days product guarantee or the manufacturer's standard commercial warranty, whichever is greater, shall apply to all products and/or services purchased under this RFO, unless otherwise specified in the Specifications/Scope of Services section of this RFO. This warranty shall provide for replacement of defective merchandise, parts, and labor, and shall include pick-up of the defective merchandise from City and delivery of the replacement(s) to the same location. The warranty shall be effective from the date of acceptance of the merchandise, or completion of the service, as applicable.

ANY TERM OR CONDITION IN ANY DOCUMENT FURNISHED BY VENDOR, DISCLAIMING THE IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR ATTEMPTING TO LIMIT VENDOR'S LIABILITY SHALL BE OF NO FORCE OR EFFECT, AND SHALL BE STRICKEN FROM THE CONTRACT DOCUMENTS AS IF NEVER CONTAINED THEREIN.

All Or None Bid.

City of San Antonio will make award to one vendor only.

Insurance.

Prior to the commencement of any work under this Agreement, Vendor shall furnish copies of all required endorsements and completed Certificate(s) of Insurance to the City's Finance Department-Procurement Division, which shall be clearly labeled "MAB MEDICAL AMBULANCE/EVACUATION/MCI BUS" in the Description of Operations block of the Certificate. The Certificate(s) shall be completed by an agent and signed by a person authorized by that insurer to bind coverage on its behalf. City will not accept a Memorandum of Insurance or Binder as proof of insurance. The certificate(s) must have the agent's signature and phone number, and be mailed, with copies of all applicable endorsements, directly from the insurer's authorized representative to City. City shall have no duty to pay or perform under this Agreement until such certificate and endorsements have been received and approved by City's Finance Department-Procurement Division. No officer or employee, other than City's Risk Manager, shall have authority to waive this requirement.

City reserves the right to review the insurance requirements of this Article during the effective period of this Agreement and any extension or renewal hereof and to modify insurance coverages and their limits when deemed necessary and prudent by City's Risk Manager based upon changes in statutory law, court decisions, or circumstances surrounding this Agreement. In no instance will City allow modification whereby City may incur increased risk.

A Vendor's financial integrity is of interest to City; therefore, subject to Vendor's right to maintain reasonable deductibles in such amounts as are approved by City, Vendor shall obtain and maintain in full force and effect for the duration of this Agreement, and any extension here of, at Vendor's sole expense, insurance coverage written on an occurrence basis, unless otherwise indicated, by companies authorized to do business in the State of Texas and with an A.M Best's rating of no less than A- (VII), in the following types and for an amount not less than the amount listed below:

TYPE	AMOUNTS
Broad form Commercial General Liability Insurance to include coverage for the	For Bodily Injury and Property Damage of \$1,000,000 per occurrence;

following: a. Premises operations b. Independent Contractors c. Products/completed operations d. Personal Injury e. Contractual Liability	\$2,000,000 General Aggregate, or its equivalent in Umbrella or Excess Liability Coverage
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Vendor agrees to require, by written contract, that all subcontractors providing goods or services hereunder obtain the same insurance coverages required of Vendor herein, and provide a certificate of insurance and endorsement that names Vendor and City as additional insureds. Vendor shall provide City with said certificate and endorsement prior to the commencement of any work by the subcontractor. This provision may be modified by City's Risk Manager, without subsequent City Council approval, when deemed necessary and prudent, based upon changes in statutory law, court decisions, or circumstances surrounding this agreement. Such modification may be enacted by letter signed by City's Risk Manager, which shall become a part of the contract for all purposes.

As they apply to the limits required by City, City shall be entitled, upon request and without expense, to receive copies of the policies, declaration page, and all endorsements thereto and may require the deletion, revision, or modification of particular policy terms, conditions, limitations, or exclusions (except where policy provisions are established by law or regulation binding upon either of the parties hereto or the underwriter of any such policies). Vendor shall be required to comply with any such requests and shall submit a copy of the replacement certificate of insurance to City at the address provided below within 10 days of the requested change. Vendor shall pay any costs incurred resulting from said changes.

City of San Antonio
 Attn: Finance Department-Procurement Division
 P.O. Box 839966
 San Antonio, Texas 78283-3966

Vendor agrees that with respect to the above required insurance, all insurance policies are to contain or be endorsed to contain the following provisions:

Name City, its officers, officials, employees, volunteers, and elected representatives as additional insureds by endorsement, as respects operations and activities of, or on behalf of, the named insured performed under contract with City, with the exception of the workers' compensation and professional liability policies;

Provide for an endorsement that the "other insurance" clause shall not apply to the City of San Antonio where City is an additional insured shown on the policy;

Workers' compensation, employers' liability, general liability and automobile liability policies will provide a waiver of subrogation in favor of City; and

Provide advance written notice directly to City of any suspension, cancellation, non-renewal or material change in coverage, and not less than ten (10) calendar days advance notice for nonpayment of premium.

Within five (5) calendar days of a suspension, cancellation or non-renewal of coverage, Vendor shall provide a replacement Certificate of Insurance and applicable endorsements to City. City shall have the option to suspend Vendor's performance should there be a lapse in coverage at any time during this contract. Failure to provide and to maintain the required insurance shall constitute a material breach of this Agreement.

In addition to any other remedies City may have upon Vendor's failure to provide and maintain any insurance or policy endorsements to the extent and within the time herein required, City shall have the right to order Vendor to stop work hereunder, and/ or withhold any payment(s) which become due to Vendor hereunder until Vendor demonstrates compliance with the requirements hereof.

Nothing herein contained shall be construed as limiting in any way the extent to which Vendor may be held responsible for payment of damages to persons or property resulting from Vendor's or its subcontractors' performance of the work covered under this Agreement.

It is agreed that Vendor's insurance shall be deemed primary and non-contributory with respect to any insurance or self insurance carried by City for liability arising out of operations under this Agreement.

It is understood and agreed that the insurance required is in addition to and separate from any other obligation contained in this Agreement and that no claim or action by or on behalf of City shall be limited to insurance coverage provided.

Vendor and any subcontractors are responsible for all damage to their own equipment and/or property.

006 - GENERAL TERMS & CONDITIONS

Electronic Offer Equals Original. If Vendor is submitting an electronic offer, City and Vendor each agree that this transaction may be conducted by electronic means, as authorized by Chapter 322, Texas Business & Commerce Code, known as the Electronic Transactions Act.

Delivery of Goods/Services.

Destination Contract. Vendor shall deliver all goods and materials F.O.B., City of San Antonio's designated facility, inside delivery, freight prepaid, to the address provided in this RFO or, if different, in the Purchase Order. Vendor shall bear the risk of loss until delivery. Freight charges will be paid only when expedited delivery is requested and approved in writing by City. Vendor shall be responsible for furnishing necessary personnel or equipment and/or making necessary arrangements to off load at City of San Antonio facility, unless otherwise noted herein.

Failure to Deliver. When delivery is not met as provided for in the contract, City may make the purchase on the open market, with any cost in excess of the contract price paid by Vendor, in addition to any other direct, indirect, consequential or incidental damages incurred by City as a result thereof. In addition, Vendor may be removed from City's list of eligible bidders.

Purchase Orders. Each time a City department wishes to place an order against this contract, it will issue Vendor a purchase order. Vendor must have the purchase order before making any delivery.

Acceptance by City. City shall have a reasonable time (but not less than 30 days) after receipt to inspect the goods and services tendered by Vendor. City at its option may reject all or any portion of such goods or services which do not, in City's sole discretion, comply in every respect with all terms and conditions of the contract. City may elect to reject the entire goods and services tendered even if only a portion thereof is nonconforming. If City elects to accept nonconforming goods and services, City, in addition to its other remedies, shall be entitled to deduct a reasonable amount from the price thereof to compensate City for the nonconformity. Any acceptance by City, even if non-conditional, shall not be deemed a waiver or settlement of any defect in such goods and services.

Testing. After award of contract, City may, at its sole option, test the product delivered to ensure it meets specifications. Initial testing shall be at City's expense. However, if the product does not to meet specifications, Vendor shall reimburse City for the costs of testing. City may withhold the cost of testing from any amounts owed to Vendor under this or any other contract, or invoice Vendor for same. If invoiced, Vendor shall pay City within 30 calendar days' of the invoice.

Invoicing and Payment.

Address for Invoices. All original invoices must be sent to: City of San Antonio, Attn: Accounts Payable, P.O. Box 839976, San Antonio, Texas 78283-3976.

Information Required On Invoice.

All invoices must be in a form and content approved by City. City may require modification of invoices if necessary in order to satisfy City that all billing is proper and pursuant to the terms of the contract. Invoices are required to show each City Purchase Order Number. Invoices must be legible. Items billed on invoices must be specific as to applicable stock, manufacturer, catalog or part number (if any). All invoices must show unit prices for each item being billed, the quantity of items being billed and the total for each item, as well as the total for all items on the invoice. If prices are based on list prices basis, then the list prices, the percentage discount or percentage surcharge, net unit prices, extensions and net total prices must be shown. Prompt payment discounts offered shall be shown separately on the invoice.

Payment by City.

In accordance with the Texas Prompt Payment Act, City shall have not less than 30 days to pay for goods or services. Time for payment, including payment under discount terms, will be computed from the later of: (1) the date City receives conforming goods under the contract; (2) the date performance of the service under the contract is completed; or (3) the date City receives a correct and valid invoice for the goods or services. Payment is deemed to be made on the date of mailing of the check. Payment is made in US dollars only.

This provision shall not apply where there is a bona fide dispute between City and Vendor about the goods delivered or the service performed that causes the payment to be late, or where the invoice is not mailed to the address provided herein.

The payment amount due on invoices may not be manually altered by City personnel. Once disputed items are reconciled, Vendor must submit a corrected invoice or a credit memorandum for the disputed amount. City will not make partial payments on an invoice where there is a dispute.

NECESSITY OF TIMELY INVOICE / WAIVER OF PAYMENT. NOTWITHSTANDING THE FORGOING, CITY CANNOT PAY FOR ANY GOODS OR SERVICES WITHOUT AN INVOICE. VENDOR MUST INVOICE CITY NO LATER THAN 90 CALENDAR DAYS FROM THE DATE GOODS ARE DELIVERED OR SERVICES RENDERED. FAILURE TO SUBMIT AN INVOICE WITHIN SAID 90 DAY SHALL NEGATE ANY LIABILITY ON THE PART OF CITY AND CONSTITUTE A **WAIVER** BY VENDOR OF ANY AND ALL RIGHT OR CLAIMS TO COLLECT MONEYS THAT VENDOR MAY RIGHTFULLY BE OTHERWISE ENTITLED TO FOR GOODS OR SERVICES PERFORMED.

The total price for all goods and/or services is shown on the Price Schedule. No additional fees or expenses of Vendor shall be charged by Vendor nor be payable by City. The parties hereby agree that all compensable expenses of Vendor are shown on the Price Schedule. If there is a discrepancy on the Price Schedule between the unit price for an item, and the extended price, the unit price shall govern.

Amendments. Except where the terms of this contract expressly provide otherwise, any alterations, additions, or deletions to the terms hereof, shall be effected by amendment, in writing, executed by both City and Vendor. The Director of the Purchasing and General Services Department, or Director's designee, shall have authority to execute amendments on behalf of City without further action by the San Antonio City Council, subject to and contingent upon appropriation of funds for any increase in expenditures by City.

Termination.

Termination-Breach. Should vendor fail to fulfill in a timely and proper manner, as determined solely by the Director, its material obligations under this contract, or violate any of the material terms of this contract, City shall have the right to immediately terminate the contract in whole or in part. Notice of termination shall be provided in writing to the Vendor, effective upon the date set forth in the notice. City may, in City's sole discretion, provide an opportunity for Vendor to cure the default. If City elects to offer an opportunity to cure, City shall provide notice to Vendor specifying the matters in default and the cure period. If Vendor fails to cure the default within the cure period, City shall have the right, without further notice, to terminate the contract in whole or in part. Such termination shall not relieve Vendor of any liability to the City for damages sustained by virtue of any breach by Vendor.

Termination-Notice. City may terminate this contract, in whole or in part, without cause. City shall be required to give Vendor notice ten days prior to the date of termination of the contract without cause.

Termination-Funding. City retains the right to terminate this contract at the expiration of each of City's budget periods. This contract is conditioned on a best efforts attempt by City to obtain and appropriate funds for payment of any debt due by City herein.

Termination by City may be effected by Director, without further action by the San Antonio City Council.

Independent Contractor. Vendor covenants and agrees that it is an independent contractor and not an officer, agent, servant or employee of City. City shall not be liable for any claims which may be asserted by any third party occurring in connection with the services to be performed by Vendor under this contract and that Vendor has no authority to bind City. The doctrine of respondeat superior shall not apply as between City and Vendor.

INDEMNIFICATION.

VENDOR covenants and agrees to FULLY INDEMNIFY, DEFEND and HOLD HARMLESS, CITY and the elected officials, employees, officers, directors, volunteers and representatives of CITY, individually and collectively, from and against any and all costs, claims, liens, damages, losses, expenses, fees, fines, penalties, proceedings, actions, demands, causes of action, liability and suits of any kind and nature, including but not limited to, personal or bodily injury, death and property damage, made upon CITY directly or indirectly arising out of, resulting from or related to VENDOR'S activities under this Agreement, including any acts or omissions of VENDOR, any agent, officer, director, representative, employee, consultant or subcontractor of VENDOR, and their respective officers, agents employees, directors and representatives while in the exercise of the rights or performance of the duties under this Agreement. The indemnity provided for in this paragraph

shall not apply to any liability resulting from the negligence of CITY, its officers or employees, in instances where such negligence causes personal injury, death, or property damage. IN THE EVENT VENDOR AND CITY ARE FOUND JOINTLY LIABLE BY A COURT OF COMPETENT JURISDICTION, LIABILITY SHALL BE APPORTIONED COMPARATIVELY IN ACCORDANCE WITH THE LAWS FOR THE STATE OF TEXAS, WITHOUT, HOWEVER, WAIVING ANY GOVERNMENTAL IMMUNITY AVAILABLE TO CITY UNDER TEXAS LAW AND WITHOUT WAIVING ANY DEFENSES OF THE PARTIES UNDER TEXAS LAW. In addition, Vendor agrees to indemnify, defend, and hold City harmless from any claim involving patent infringement, trademarks, trade secrets, and copyrights on goods supplied.

The provisions of this INDEMNITY are solely for the benefit of the parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity. VENDOR shall advise CITY in writing within 24 hours of any claim or demand against CITY or VENDOR known to VENDOR related to or arising out of VENDOR's activities under this AGREEMENT and shall see to the investigation and defense of such claim or demand at VENDOR's cost. CITY shall have the right, at its option and at its own expense, to participate in such defense without relieving VENDOR of any of its obligations under this paragraph.

Assignment. Except as otherwise stated herein, Vendor may not sell, assign, pledge, transfer or convey any interest in this contract, nor delegate the performance of any duties hereunder, by transfer, by subcontracting or any other means, without the consent of Director. As a condition of such consent, if such consent is granted, Vendor shall remain liable for completion of the services and provision of goods outlined in this contract in the event of default by the successor vendor, assignee, transferee or subcontractor. Any attempt to transfer, pledge or otherwise assign this Contract without said written approval, shall be void ab initio and shall confer no rights upon any third person.

Ownership of Documents. Pursuant to Texas Local Government Code Chapter 201, any and all Records produced by Vendor pursuant to the provisions of this contract are the exclusive property of City; and no such Record shall be the subject of any copyright or proprietary claim by Vendor. The term "Record" as used herein shall mean any document, paper, letter, book, map, photograph, sound or video recording, microfilm, magnetic tape, electronic medium, or other information recording medium, regardless of physical form or characteristic. Vendor understands and acknowledges that as the exclusive owner of any and all such Records, City has the right to use all such Records as City desires, without restriction.

Records Retention.

Vendor and its subcontractors, if any, shall properly, accurately and completely maintain all documents, papers, and records, and other evidence pertaining to the services rendered hereunder ("Documents"), and shall make such Documents available to City at their respective offices, at all reasonable times and as often as City may deem necessary during the contract period, including any extension or renewal hereof, and the record retention period established herein, for purposes of audit, inspection, examination, and making excerpts or copies of same by City and any of its authorized representatives.

Vendor shall retain any and all Documents produced as a result of services provided hereunder for a period of four years ("Retention Period") from the date of termination of the contract. If, at the end of the Retention Period, there is litigation or other questions arising from, involving or concerning these Documents or the services provided hereunder, Vendor shall retain the records until the resolution of such litigation or other such questions. Vendor acknowledges and agrees that City shall have access to any and all such Documents at any and all times, as deemed necessary by City, during said Retention Period. City may, at its election, require Vendor to return the documents to City at Vendor's expense prior to or at the conclusion of the Retention Period. In such event, Vendor may retain a copy of the documents.

Vendor shall notify City, immediately, in the event Vendor receives any requests for information from a third party, which pertain to the Documents referenced herein. Vendor understands and agrees that City will process and handle all such requests.

Severability. If any clause or provision of this contract is held invalid, illegal or unenforceable under present or future federal, state or local laws, including but not limited to the City Charter, City Code, or ordinances of the City of San Antonio, Texas, then and in that event it is the intention of the parties hereto that such invalidity, illegality or unenforceability shall not affect any other clause or provision hereof and that the remainder of this contract shall be construed as if such invalid, illegal or unenforceable clause or provision was never contained herein. It is also the intention of the parties hereto that in lieu of each clause or provision of this contract that is invalid, illegal, or unenforceable, there be added as a part of the contract a clause or provision as similar in terms to such invalid, illegal or unenforceable clause or provision as may be possible, legal, valid and enforceable.

Compliance with Law. Vendor shall provide and perform all services required under this Agreement in compliance with all applicable federal, state and local laws, rules and regulations.

Certifications. Vendor warrants and certifies that Vendor and any other person designated to provide services hereunder has the requisite training, license and/or certification to provide said services, and meets all competence standards promulgated by all other authoritative bodies, as applicable to the services provided herein.

Non-waiver of Performance. Unless otherwise specifically provided for in this Agreement, a waiver by either Party of a breach of any of the terms, conditions, covenants or guarantees of this Agreement shall not be construed or held to be a waiver of any succeeding or preceding breach of the same or any other term, condition, covenant or guarantee herein contained. Further, any failure of either Party to insist in any one or more cases upon the strict performance of any of the covenants of this Agreement, or to exercise any option herein contained, shall in no event be construed as a waiver or relinquishment for the future of such covenant or option. In fact, no waiver, change, modification or discharge by either party hereto of any provision of this Agreement shall be deemed to have been made or shall be effective unless expressed in writing and signed by the party to be charged. No act or omission by a Party shall in any manner impair or prejudice any right, power, privilege, or remedy available to that Party hereunder or by law or in equity, such rights, powers, privileges, or remedies to be always specifically preserved hereby.

Venue. **Venue of any court action brought directly or indirectly by reason of this contract shall be in Bexar County, Texas. This contract is made and is to be performed in Bexar County, Texas, and is governed by the laws of the State of Texas.**

Non-discrimination. As a condition of entering into this agreement, Vendor represents and warrants that it will comply with City's Commercial Nondiscrimination Policy, as described under Section IILC.1 of the SBEDA Ordinance. As part of such compliance, Vendor shall not discriminate on the basis of race, color, religion, ancestry or national origin, sex, age, marital status, sexual orientation, or on the basis of disability or other unlawful forms of discrimination in the solicitation, selection, hiring or commercial treatment of subcontractors, vendors, suppliers, or commercial customers, nor shall Vendor retaliate against any person for reporting instances of such discrimination. Vendor shall provide equal opportunity for subcontractors, vendors and suppliers to participate in all of its public sector and private sector subcontracting and supply opportunities, provided that nothing contained in this clause shall prohibit or limit otherwise lawful efforts to remedy the effects of marketplace discrimination that have occurred or are occurring in City's Relevant Marketplace. Vendor understands and agrees that a material violation of this clause shall be considered a material breach of this agreement and may result in termination of this agreement, disqualification of Vendor from participating in City contracts, or other sanctions. This clause is not enforceable by or for the benefit of, and creates no obligation to, any third party. Vendor shall include this nondiscrimination clause in all subcontracts for the performance of this contract.

Delinquent Taxes. In the event that Vendor is or subsequently becomes delinquent in the payment of taxes owed to the City of San Antonio, City reserves the right to deduct any delinquent taxes from payments that City may owe to the delinquent Vendor as a result of this contract.

Binding Contract. This contract shall be binding on and inure to the benefit of the parties hereto and their respective heirs, executors, administrators, legal representatives, and successors and assigns, except as otherwise expressly provided for herein.

Entire Agreement. This contract, including City's final electronically posted online version, together with its authorizing ordinance, and its price schedule(s), attachments, purchase orders, and exhibits, if any, constitutes the final and entire agreement between the parties hereto and contains all of the terms and conditions agreed upon. No other agreements, oral or otherwise, regarding the subject matter of this contract shall be deemed to exist or to bind the parties hereto, unless same be in writing, dated subsequent to the date hereof, and be duly executed by the parties, in accordance with the Amendment provision herein. **Parties agree that City's final electronically posted online version of this solicitation contains the agreed upon specifications, scope of services, and terms and conditions of this contract, and shall control in the event of a conflict with any printed version signed and submitted by Vendor.**

007 - SIGNATURE PAGE

By submitting an offer, whether electronically or by paper, Offeror represents that:

(s)he is authorized to bind Offeror to fully comply with the terms and conditions of City's Request for Offer for the prices stated therein;

(s)he has read the entire document, including the final version issued by City, and agreed to the terms therein;

Offeror is in good standing with the Texas State Comptroller's Office; and

to the best of his/her knowledge, all information is true and correct.

If submitting your offer by paper, complete the following and sign on the signature line below. Failure to sign and submit this Signature Page will result in rejection of your offer.

Offeror Information

Please Print or Type

Vendor ID No.

V1040307

Signer's Name

EDWARD L. SARTIN

Name of Business

SARTIN SERVICES INC

Street Address

6116 OLD MENDENHALL ROAD

City, State, Zip Code

ARCHDALE NC 27263

Email Address

ED@SARTINSERVICES.COM

Telephone No.

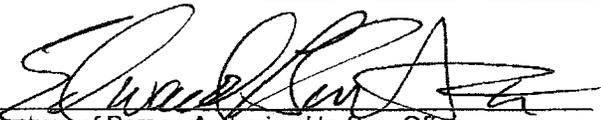
336-841-5505

Fax No.

336-889-4498

City's Solicitation No.

6100000698


Signature of Person Authorized to Sign Offer

008 - STANDARD DEFINITIONS

Whenever a term defined by the Uniform Commercial Code ("UCC"), as enacted by the State of Texas, is used in the Contract, the UCC definition shall control, unless otherwise defined in the Contract.

All-or-None Offer - an RFO in which City will award the entire contract to one offeror only.

Alternate Offer - two or more offers with substantive variations in the item or service offered from the same offeror in response to a solicitation.

Assignment - a transfer of claims, rights or interests in goods, services or property.

Bid Bond - security to ensure that Offeror (a) will not withdraw the offer within the period specified for acceptance, and (b) will furnish any required bonds and any necessary insurance within the time specified in the solicitation.

City - the City of San Antonio, a Texas home-rule municipal corporation.

Contractor - the offeror whose offer is accepted by City and is, therefore, the person, firm or entity providing goods or services to City under a contract.

Director - the Director of City's Purchasing & General Services Department, or Director's designee.

Line Item - a listing of items in an offer for which an offeror is expected to provide separate pricing.

Offer - a complete, signed response to an RFO that, if accepted, would bind Offeror to perform the resultant contract.

Offeror - a person, firm or entity that submits an offer in response to a solicitation. The offeror whose offer is accepted by City may also be referred to herein as Contractor, Vendor or Supplier.

Payment Bond - a particular form of security provided by the contractor to protect City against loss due to the contractor's failure to pay suppliers and subcontractors.

Performance Bond - a particular form of security provided by the contractor to protect City against loss due to the contractor's inability or unwillingness to complete the contract as agreed.

Performance Deposit - security provided by the contractor to protect City against loss due to the contractor's inability or unwillingness to complete the contract as agreed.

Pre-Submittal Conference - a meeting conducted by City, held in order to allow offerors to ask questions about the proposed contract and particularly, the contract specifications.

Purchase Order - a validly issued order placed by an authorized City department for the purchase of goods or services, written on City's standard purchase order form, and which is the vendor's authority to deliver to and invoice City for the goods or services specified in an RFO for the price stated in vendor's offer.

Specifications - a description of what City requires and what Offeror must offer; a description of the physical or functional characteristics of a product or material, or the nature of a service or construction item.

Subcontractor - a person, firm or entity providing goods or services to a vendor to be used in the performance of the vendor's obligations under the contract with City.

Supplier - the offeror whose offer is accepted by City and is, therefore, the person, firm or entity providing goods or services to City under a contract.

Vendor - the offeror whose offer is accepted by City and is, therefore, the person, firm or entity providing goods or services to City under a contract.

009 - ATTACHMENTS