

Request for Proposal



Acquisition of [2] MPV Conversions

Texas Emergency Medical Task Force

State Coordinating Office



6 April 2018

Southwest Texas Regional Advisory Council
7500 US Highway 90 West, AT&T Building, Suite 200
San Antonio, Texas 78227

Section I – Overview

The Southwest Regional Advisory Council (STRAC) manages the State Coordinating Office (SCO) for the Texas Emergency Medical Task Force (TX EMTF), serving the State of Texas in times of disaster with rapidly deployable, modular emergency healthcare resources. The TX EMTF is comprised of several components, including Ambulance Strike Teams, Ambulance Buses, Mobile Medical Units (field hospitals), Nurse Strike Teams, Ambulance Staging Teams and Medical Incident Support Teams. Following the Hurricane Harvey response, of which the TX EMTF played a key role in the state’s response, the program is reviewing and updating their deployment caches. Included in this initiative are several projects that will standardize equipment and deployment models across the state so that when activated, these caches will quickly mobilize from anywhere in the State.

The Southwest Texas Regional Advisory Council seeks to purchase [2] MPV Conversions. STRAC invites qualified businesses / vendors to submit Proposals for the acquisition of this vehicle.

This Request for Proposal (RFP) includes the conditions covering proposal submission, proposal requirements, time line of events, submission procedures and selection criteria for award.

The Agency has fixed pricing budgets and all pricing proposed should remain fixed for the duration of the purchase. The agency aims to purchase durable, cost effective, fuel efficient vehicles at best value. Our goal is to employ best practices and cost effectiveness.

Section II – Time Line of Events

RFP Issue Date	6 April 2018
Prospective Contractor to submit Questions	13 April 2018
Deadline for STRAC to respond to Questions	17 April 2018
Deadline for Submission of Proposals	20 April 2018
Expected Notification of Award	23 April 2018

Section III – General Instructions

A. Questions

B. Deadline for receipt of questions from prospective bidders: 13 April 2018 by 5:00 pm. Deadline for STRAC to respond to questions from all bidders: 17 April 2018 by 5:00 pm.

All questions concerning the proposal specification must be submitted in writing via email.

All responses will be posted on the STRAC website to allow access by all prospective bidders.

Questions should be directed to:

Sara Jensen

State Program Manager, Texas Emergency Medical Task Force

sara.jensen@strac.org and cc: info@strac.org

C. Submittal Procedures

The Proposal, subject to all conditions and specifications attached hereto, must be signed in INK by a person or officer of the company submitting the Proposal that is authorized to enter into an agreement on behalf of the company.

Proposals received unsigned will be deemed non-responsive and therefore will not be accepted.

Proposals must be received by 20 April 2018 at 5:00pm. The original Proposal, signed in ink, should be submitted in a SEALED ENVELOPE and should be addressed and delivered to the attention of:

Southwest Texas Regional Advisory Council
ATTN: Sara Jensen
7500 US Highway 90 West, AT&T Building, Suite 200
San Antonio, TX 78227

“PROPOSAL: [2] MPV Conversions”

Section IV – Proposal Stipulations and Requirements

READ THIS ENTIRE DOCUMENT CAREFULLY, FOLLOW ALL INSTRUCTIONS. YOU ARE RESPONSIBLE FOR FULFILLING ALL REQUIREMENTS AND SPECIFICATIONS. BE SURE YOU UNDERSTAND REQUIREMENTS.

A. Modification or Withdrawal of Proposals

Any Proposal may be modified or withdrawn prior to the deadline, provided such modification or withdrawal is submitted prior to the deadline. Any modification received after the deadline shall be deemed late and will not be considered.

B. Offer and Acceptance Period

All Proposals must be an irrevocable offer valid for ninety (90) days after the Proposal opening date.

C. Late Proposals

Any Proposal received after the stated deadline shall be deemed late and will not be considered.

D. Irregularities in Proposals

Except as otherwise stated in this Request for Proposal, evaluation of all Proposals will be based solely upon information contained in the Supplier's response to this Proposal. STRAC shall not be held responsible for errors, omissions or oversights in any Supplier's response to this Proposal. STRAC may waive technical irregularities, which do not alter the price or quality of the goods and or services.

STRAC shall have the right to reject Proposals containing a statement, representation, warranty or certification which is determined by STRAC to be materially false, incorrect, misleading or incomplete. Additionally, any errors, omissions, or oversights of a material nature may constitute grounds for rejection of any Proposal.

The inability of a Supplier to provide one or more of the required components or specified features or capabilities required by this Proposal does not, in and of itself, preclude acceptance by STRAC of the Proposal. All Proposals will be evaluated as a whole in the best interests of STRAC and the TX EMTF Program.

E. Oral Presentations

Any Supplier that submits a Proposal in response to this request may be required to make an oral presentation for further clarification upon STRAC's request.

F. Amendments to the Proposal

If it becomes necessary to revise any part of this Proposal package or if additional information is necessary to clarify any provision, the revision and/or additional information will be provided to each Supplier via faxed amendment or email.

G. Availability of the Proposal

After opening, each Proposal, except those portions for which a supplier has included a written request for confidentially (e.g., proprietary information), shall be open to public inspection.

H. Retention of Proposals

All Proposals considered by STRAC shall become the property of STRAC and shall not be returned.

I. Incurred Expenses

STRAC shall not be responsible for expenses incurred by a Supplier in the preparation and submission of a Proposal. This provision also includes any costs involved in providing an oral presentation of the Proposal.

J. Pricing

Each Supplier shall provide responses to "Proposal Reply" page with their proposed costs detailed as per the Cost Schedule template provided by STRAC.

K. Taxes

STRAC is a 501(c)3 tax exempt agency.

L. Title Transfer

Title and Risk of Loss of goods shall not pass to STRAC until STRAC receives and takes possession of the goods at the point or points of delivery.

Delivery location: STRAC, 7500 US Highway 90 West, Suite 200, San Antonio, Texas, 78227.
The place of delivery will be indicated on the Purchase Order.

M. Warranties

Proposers shall furnish all data pertinent to warranties or guarantees which may apply to items in this Request for Proposal (RFP).

N. Evaluation

Evaluation shall be used as a determinant as to which proposal items or items proposed or services are the most efficient and/or most economical for STRAC. It shall be based on all factors which have a bearing on price and performance of the items in the user environment.

Pricing is NOT the only criteria for making a recommendation. STRAC reserves the right to contact any offeror, at any time, to clarify, verify or request information with regard to any bid/proposal.

O. Award

STRAC in its sole and absolute discretion shall have the right to make an award for purchase for any or all materials listed in each proposal, shall have the right to waive any formality or irregularity, to make awards to more than one offer or, to reject any and all proposals, shall not be bound to accept the lowest proposal and shall be allowed to accept the total proposal of any one supplier.

Section V – Proposal Contents

Title Page:

- *Name of Supplier/Contractor, local address, telephone number, fax number, e-mail address and contact name.*

Table of Contents:

All Proposals must include the following information:

- *Clear identification of information by section and page.*
- *Proposed pricing detailed by quantity, unit of measure, complete item description, unit price, extended price.*
- *Identification of goods and or services to be provided (as applicable).*
- *A current "CERTIFICATE OF INSURANCE" must accompany all Proposals.*
- *A W-9 must accompany all Proposals.*

Proposal:

- *Supplier must provide a brief introduction/history of company, including but not limited to ownership, date started business, mission statement, etc.*
- *Supplier must supply proposed price schedule as per the enclosed template (See Proposal Reply Page)*
- *Supplier must provide current product availability.*
- *The Proposal must bear the original signature of a principal or authorized officer of the interested party.*
- *Submission must be legible (typed, written).*
- *Interested parties are encouraged to submit along with their Proposal any additional descriptive information about their services which they believe might be helpful.*
- *All Proposals must be submitted as an original with signature in ink.*

Additional documents to be submitted:

- *Supplier must submit a copy of their latest audited financial statement. A letter from your CPA is an acceptable alternative for nonpublic companies, but must include a statement that financial solvency is adequate to meet expenditures for at least one year, if requested.*
- *Deviation Form (Attachment C)*
- *Signature Page: Proposal will not be accepted if this page is not signed by an authorized representative.*

* PLEASE INCLUDE ANY ADDITIONAL DESCRIPTIVE LITERATURE, WHICH MIGHT BE OF ASSISTANCE IN THE DECISION-MAKING PROCESS. *

Section VI – Specifications

Scope

The intent of this Request for Proposal (RFP) is to solicit proposals for [2] MPV Conversions to be utilized for the Texas Emergency Medical Task Force program.

Specifications [2] MPV Conversions

- 1) Delivery:
 - a) 180 days from Purchase Order issuance.
 - b) Delivered under own power to pre-designated location during normal business hours
 - c) Pre-paint inspection, Pre-Mounted inspection, Pre-delivery inspection, Post-delivery inspection, Travel, meals and lodging for 2 personnel to inspect
 - d) Training upon delivery and or pre-arranged time/date
 - i) 16 hours of training: Operations & maintenance
 - e) After inspection, upon delivery and final acceptance, payment will be processed net 30 days
 - f) Vehicle must be delivered with the following documents: MSO, title application, inspections certificate (TX), original weight slip and invoice
- 2) Manual and Service Information
 - a) Manual will be included for all system operations, components, manufacturers, warranties, inspections, certifications, etc.
 - b) 2 bound/binder copies (paper)
 - c) 1 electronic copy – editable and searchable
 - d) Performance Tests
 - e) Ratings and test results, certifications to be provided
 - f) Weather proofing, load testing, pressure tests, water tested for no leaks
- 3) In State Service and Warranty Support
 - a) Hardened structure service centers in Texas. Mobile service support capability available upon request. 24/7 POC by phone for support/service. 5-year minimum.
 - b) Warranties for all individual components will be honored by the vendor and or converter
 - i) Chassis, drive train, emissions, engine, transmission, HVAC, generator
- 4) Warranties
 - a) Converter/Vendor warranty: paint, body, frame, electrical wiring
 - i) Provide a complete one-year warranty on all OEM parts and labor related to the Custom Manufactured body produced and installed.
 - ii) Provides one-year Field Service response on any warranty work at your vehicle location to insure no extended out of service time and /or access.
 - iii) After one year, warranty year, all of the provided parts, labor and field service response can be extended annually at an agreed OEM contract pricing, per MVP customer, per annum.
 - iv) Custom Manufactured, all aluminum body has lifetime warranty of labor, material and workmanship.
 - b) Component manufacturers' warranties to be serviced by converter
- 5) Special Instructions (standards to adhere to)
 - a) CONVERSION to be manufactured upon Freightliner M2-112 Chassis – provided by purchaser and customized to meet module specifications
 - b) All medical devices furnished must be marketed in compliance with FDA regulatory compliance.
 - c) Vehicle must meet FMVSS
 - d) Walking/Step surfaces shall be non-slip to meet OSHA and ANSI requirements
 - e) 4-point seat belts for 4 crew compartment chairs

- f) Departure angle: Suspension clearance angles Approach: 10 degrees; Breakover: 10 degrees; Departure: 10 degrees
- g) Top speed: 76mph
- 6) Inspection Certificates by a certified inspector where applicable
 - a) AMP DRAW REPORT: The bidder will provide, at the time of bid and delivery, an itemized print out of the expected amp draw of the entire vehicle's electrical system. The manufacturer of the apparatus will provide the following: Documentation of the electrical system performance tests. A written load analysis, which will include the following: The nameplate rating of the alternator. The alternator rating under the conditions specified per: Applicable NFPA 1901 or 1906 (Current Edition). The minimum continuous load of each component that is specified per: Applicable NFPA 1901 or 1906 (Current Edition). Additional loads that, when added to the minimum continuous load, determine the total connected load. Each individual intermittent load. All of the above listed items will be provided by the bidder per the applicable NFPA 1901 or 1906 (Current Edition).
 - b) Generator and PDU Load, AMP Tests
 - c) Electrical System Testing: The wiring and associated equipment will be tested by the apparatus manufacturer or the installer of the line voltage system. The wiring and permanently connected devices and equipment will be subjected to a dielectric voltage withstand test of 900-volts for one (1) minute. The test will be conducted between live parts and the neutral conductor, and between live parts and the vehicle frame with any switches in the circuit(s) closed. This test will be conducted after all body work has been completed. Electrical polarity verification will be made of all permanently wired equipment and receptacles to determine that connections have been properly made.
 - d) Oxygen System Test to KKK standards for Oxygen Systems
 - e) HVAC Systems Test to KKK standards for HVAC Systems
- 7) Approval Drawings
 - a) Drawings will be prepared and provided for approval by the purchaser and will require written notice of approval. Drawings will become part of the contract. Any changes by the vendor must be drawn (if applicable), submitted and approved by the purchaser. Initial approval will be made prior to bending or cutting any metal.
 - b) System Drawings: Chassis make and model, location of lights, sirens and horns, compartments, all dimensions, O2, electrical, plumbing, ducting, generator, major components, HVAC, seating, windows, storage, any customized elements, ramp, winch
- 8) Change Orders: must be in writing and approved by both parties and include cost differentials.
- 9) Front Bumper
 - a) Heavy duty
 - b) Diamond plate surface
 - c) Tow attachment anchors
 - d) Quick Connect Power Cable (Battery Jumper) outlet - option
 - e) Air compressor quick connect port - option
 - f) Extended length - option
 - g) Chrome - option
 - h) Storage compartment – option
- 10) Communications Systems
 - a) Department specific/redundant systems (final TBD at pre-construction conference)
 - i) (2) Motorola APX
 - (1) Dedicated Radio Equipment Connection Points

- (a) (2) dual head radio heads – 1A head located in cab and 1B located under window in crew compartment on driver side; 2A located in cab; 2B located under window in crew compartment in crew compartment
 - (b) Power: powered on in/out of service circuit - BP
 - (c) Base located in Radio storage compartment located over curbside door
 - (d) Antennae: on roof rail
 - (e) Mount: TBD
 - b) Tablet/Navigation/CAD – TBD at pre-construction conference
 - i) Dash mounted
 - c) VHF
 - d) MSAT G2 Satellite Unit installed with MS MSV300 Interface Kit, Commissioned and Antenna calibrated with the Interagency, STRAC 1, and TXSmart talk groups
 - e) Cell modem – need to broadcast GPS coordinates
 - i) MG90 Sierra Wireless
 - ii) WIFI antenna: internal and External
 - f) Headset capable wireless intercom system, with charging hangers for 6 crew members
 - (1) Radio interface – TBD at pre-construction conference
 - ii) FireCOMM 5000D intercom system
 - (1) (6) UHW505 under-helmet DECT7 wireless headsets
 - (2) (1) antenna - WB505R
 - (3) (6) Charging hangers:
 - (a) 4 located on front and back bulkheads in corner above workstation, by each seated position, 2 located in cab, one on bulkhead behind driver and 2 behind passenger on bulkhead – coordinate with purchaser
- 11) Crew Compartment Windows
- a) (2) Crew compartment windows (one each side): breakaway, evacuation port, tempered glass, tinted –one-way view with blackout shade
- 12) Door windows
- a) one each located in top 2/3s of door, tempered glass, tinted
- 13) Exterior LED lighting doors and grounding
- a) LED lighting Doors
 - i) under every door to include the cab and activate with the setting of the parking brake
 - ii) AMDOR lights AY-9500-012 12"
 - b) LED ground lights:
 - i) Under crew area each side, just in front of rear axles each side, just behind rear axles each side, two each under front and rear bumpers placed towards outside edges.
 - ii) activate with the setting of the parking brake
 - iii) AMDOR lights AY-9500-012 12"
- 14) Interior LED lighting Crew Compartment
- a) 2 Ceiling lights: centered in crew compartment
 - i) White, red modes
 - ii) All modes on/off with control switch
 - b) Under storage compartment lights – one each, centered for 4 workstations
 - i) White/red modes
 - ii) Activates with individual switches
 - (1) Whelen 80C red/white
 - c) Storage Compartment Lights

- i) Rope and or track White lighting located in top of compartment that activates with storage door opening
- ii) There shall be four (4) white LED strip lights, one (1) each left side of lower and upper exterior compartment door opening. The lights shall be controlled by an automatic door switch.

15) Wheel Wells

- a) Fender Crowns for all wheel wells – rubber
- b) Reinforced Wheel Wells
- c) Mud Flaps
 - i) Rear most tires – meets FMVSS and TXDOT standards
- d) Wheel Chocks
 - i) (2) Aluminum tire chocks 8” tall
 - (1) (2) Zico AC-32 Wheel Chocks

16) Crew Compartment

- a) Electrical / Data
 - i) Outlets - each seating position should have:
 - (1) a diamond shaped, medical grade, 4-plug outlet, above workstation recessed in wall. When workstation is in stowed position, outlet should still be accessible.
 - (a) Bryant – 15 AMP 125-volt D03984 Outdoor/medical grade
 - (2) a 2 USB powered outlet for each seated position recessed in wall, minimum of 2 AMP output
 - ii) 2 outlets; cat 6 network plug each side of compartment located under each side window. Terminating in radio compartment above curbside door
- b) Storage Compartments
 - i) Ceiling storage aluminum shelf and minimum 24” tall, 24” wide/equal to cut out wall from cab to crew compartment – whichever is wider, able to support 500 lbs., with bench seat padding (min 1”) and upholstery.
 - ii) shelf secured with 1.5” inch webbing with seatbelt latching
 - (1) above shelf place 2, 2-USB powered outlet minimum of 2-amp output located on front and rear bulkhead
- c) Seating
 - i) (4) Floor mounted, swivel and lock in position, captain style chairs.
 - (1) Recommended: Valor Ambulance Attendant Seat
 - ii) Seat Belts – fully extendable four-point harness
- d) Work Stations
 - i) Driver and passenger side aluminum 16” wide counter top workstations running length of crew compartment. Ability to be stored against wall with bumpers and securing latches to eliminate noise/rattle.

17) Vehicle Camera System

- a) Internal camera located in patient compartment facing front to back
- b) External System: Back up camera, both sides and front facing camera with a screen that is viewable by the driver.

18) Electrical Power Control System

- a) The Power Distribution Panel shall consist of an anodized black aluminum panel with white laser etched descriptions for every breaker and switch. The panel is equipped with 120/240-volt, 50 amps, single-phase, three-wire system that has appropriately sized circuit breakers.
- b) An Analog Frequency/Amps/Volt meter is located on the main power distribution panel. Its features are frequency display 55 to 65Hz, Ammeter display 0 to 100amps, AC Voltmeter display

0 to 150vac with selector switch between phases. A surge suppression device that meets the requirements of ANSI and IEEE shall be installed per phase located in the power distribution enclosure. Other appropriately sized circuit breakers shall be installed for 12 VDC applications.

- c) A manual power transfer switch shall be located in the electrical distribution panel for selection of either generator power or shore power. The transfer switch will switch both hot legs and the neutral keeping all power sources isolated.
- d) The panel shall also contain DC meters for monitoring voltage and generator hours. A Generator remote start/stop switch and Line Alive indicators for Shore power, generator and night service shall be provided.
- e) The panel is hinged to provide easy service entrance for maintenance.

19) Voltage Monitor System

- a) Volt and amp meter located in pt. compartment bulkhead in front of curbside door collocated with generator on/off, light switches

20) Electrical

a) Module (Box)

- i) All wiring will be clearly labeled and color coded with a diagram attached in vehicle at backside of electrical access door. Wires that pass-through holes in the chassis and cab and body will have rubber grommets to protect wiring from chaffing. Any location that rubber grommets are not feasible must have some type of edge protection.
- ii) Any edges where wiring may come into contact must be protected
- iii) To the fullest extent possible, all wiring routed through a common, accessible raceway

b) Patient compartment electrical

i) Outlets –

- (1) In between each littered position on each level offset towards front of vehicle should have a diamond shaped, medical grade, 4-plug outlet,
- (2) One additional diamond shaped on both sides, medical grade, 4-plug outlet, on rear bulkhead for powered stretcher
- (3) (2) diamond shaped, medical grade, 4-plug outlets in each of the cabinets located above medication fridge and curbside door
- (4) 1 standard dedicated circuit located behind fridge

ii) External plugs: weather proof 20-amp standard plug dedicated circuit, GFCI,

- (1) locations: four corners of the box within reach from ground level
 - (a) move passenger front plug to just aft of curbside door above storage compartment

c) Generator Description

- i) A 30KW 120/240VAC 60 Hz water-cooled diesel-powered generator shall be provided. The generator compartment will be soundproofed to attenuate noise to the maximum degree possible. The generator and muffler shall be mounted as required to suppress sound and vibration.
 - (1) Recommended: Kohler brand
- ii) Shutdown System: The generator shall be equipped with sensors that will activate the generator shut down system on low oil pressure and high-water temperature.
- iii) Block Heater: The generator shall be equipped with engine block heater if available from the generator manufacturer as an OEM feature.
- iv) Remote Start: The generator shall include a remote Start/Stop preheat switch and hour meter located in the modular body power distribution panel.
- v) Fuel supply for the generator shall be from the chassis fuel tank. The system shall be designed and installed to leave a minimum of 10% of fuel in the tank when the generator runs out of fuel.

- vi) Exhaust: vented vertical, above the roofline or below chassis away from personnel doors
- vii) Location: exterior lower storage compartment immediately behind the driver. Storage compartment must be large enough to easily perform maintenance on generator.
- viii) Generators shall be placed on a slide out tray
- ix) PDU with (5) 30 AMP outlets located in generator compartment
- x) Overcurrent Protection – The conductors used in the power supply assembly between the output terminals of the power source and the main over current protection device will not exceed 144.00" (3658 mm) in length.
 - (1) For fixed power supplies, all conductors in the power supply assembly will be type THHW, THW, or use stranded conductors enclosed in nonmetallic liquid tight flexible conduit rated for a minimum of 194-degree Fahrenheit (90 degrees Celsius).
 - (2) For portable power supplies, conductors located between the power source and the line side of the main overcurrent protection device will be type SO or type SEO with suffix WA flexible cord rated for 600-volts at 194 degrees Fahrenheit (90 degrees Celsius).
- xi) Wiring Methods: Fixed wiring systems will be limited to the following:
 - (1) Metallic or nonmetallic liquid tight flexible conduit rated at not less than 194 degrees Fahrenheit (90 degrees Celsius) or Type SO or Type SEO cord with a WA suffix, rated at 600 volts at not less than 194 degrees Fahrenheit (90 degrees Celsius)
 - (2) Electrical cord or conduit will not be attached to chassis suspension components, water or fuel lines, air or air brake lines, fire pump piping, hydraulic lines, exhaust system components, or low voltage wiring.
 - (3) Additionally, the wiring will be run as follows.
 - (a) Separated by a minimum of 12.00" (305 mm), or properly shielded, from exhaust piping. Separated from fuel lines by a minimum of 6.00" (152 mm) distance
 - (b) Electrical cord or conduit will be supported within 6.00" (152 mm) of any junction box and at a minimum of every 24.00" (610 mm) of continuous run. Supports will be made of nonmetallic materials or corrosion protected metal. All supports will be of a design that does not cut or abrade the conduit or cable and will be mechanically fastened to the vehicle.
 - (4) Grounding: Grounding will be in accordance with Section 250-6 "Portable and Vehicle Mounted Generators" of the NEC. Ungrounded systems will not be used. Only stranded or braided copper conductors will be used for grounding and bonding. An equipment grounding means will be provided in accordance with Section 250-91 (Grounding Conductor Material) of the NEC. The grounded current carrying conductor (neutral) will be insulated from the equipment grounding conductors and from the equipment enclosures and other grounded parts. The neutral conductor will be colored white or gray in accordance with Section 200-6 (Means of Identifying Grounding Conductors) of the NEC. In addition to the bonding required for the low voltage return current, each body and driving or crew compartment enclosure will be bonded to the vehicle frame by a copper conductor. This conductor will have a minimum amperage rating of 115 percent of the nameplate current rating of the power source specification label as defined in Section 310-15 (amp capacities) of the NEC. A single conductor properly sized to meet the low voltage and line voltage requirements will be permitted to be used. All power source system mechanical and electrical components will be sized to support the continuous duty nameplate rating of the power source.
- d) Shoreline:
 - i) (1) 50 AMP twist lock inputs located driver side above generator recessed or in generator compartment

- (1) Agency specific input with (2) pigtails to adapt to 50 MAP twist lock
- 21) Battery System (the module (box) must be able to fully operate with the engine off and the generator running while keeping engine batteries fully charged)
- a) Master Battery Switch: located on floor by driver's seat; master switch will disconnect all ignition and chassis electrical load.
 - i) Freightliner factory or Colehearsse 75908
 - b) All 12-volt component of module (box) will fully operate without generator running
 - i) Progressive dynamics PD2180 Battery System
 - c) In service / out of service circuit will be wired battery direct through a self-resetting breaker and relay with switch on wall be curbside door with other panel/switches
 - i) This will not be affected by chassis master switch
 - d) Battery Compartments
- 22) Anderson input/output plug located near or on front bumper with 10' jumper cables sized appropriately
- 23) The Power Distribution Panels shall consist of an anodized black aluminum panel with white laser etched descriptions for every breaker and switch. The panel is equipped with 120/240-volt, 50 amps, single-phase, three-wire system that has appropriately sized circuit breakers.
- a) An Analog Frequency/Amps/Volt meter is located on the main power distribution panel. Its features are frequency display 55 to 65Hz, Ammeter display 0 to 100amps, AC Voltmeter display 0 to 150vac with selector switch between phases. A surge suppression device that meets the requirements of ANSI and IEEE shall be installed per phase located in the power distribution enclosure. Other appropriately sized circuit breakers shall be installed for 12 VDC applications.
 - b) A manual power transfer switch shall be located in the electrical distribution panel for selection of either generator power or shore power. The transfer switch will switch both hot legs and the neutral keeping all power sources isolated.
 - c) The panel shall also contain DC meters for monitoring voltage and generator hours. A Generator remote start/stop switch and Line Alive indicators for Shore power, generator and night service shall be provided.
 - d) The panel is hinged to provide easy service entrance for maintenance and located where all the other interior panel/switches are located.
- 24) Exterior Lighting
- a) Scene –
 - i) Rear:
 - (1) one spot / flood combination located centered above rear doors;
 - (2) Switch location: inside rear doors and cab
 - ii) Driver and Passenger Side
 - (1) 2 spot / flood combination located top, of wall below awning spaced equal distance from front, rear, and center of vehicle.
 - b) HI-VIS light bar on front bumper tied to headlight brights and separate switch in cab
 - c) Emergency, single color (RWB; no amber forward, and white only forward and turn off with parking brake set) (Whelen)
 - i) Primary – Whelen M9 located all far outboard corners on corner facing all four directions
 - ii) Front –
 - (1) 5 Whelen M6 lights across front top of the box
 - (2) 4 Whelen M4 lights on front grill/bumper
 - iii) Side –
 - (1) 1 Whelen M9 across the top in center of box above awning

- (2) 4 Whelen ION located at bottom rear corner, front of bottom and wheel wells, front bottom box
- (3) 2 Whelen M4 side most front bumper top and bottom and center top wheel wells
- iv) Rear –
 - (1) 4 Whelen M6 across top of box
 - (2) 2 Whelen M6 on each far side middle of wall
 - (3) 2 Whelen M6 on bottom just above brake tail turn lights
- d) Brake/Tail/Turn: M6 in bezel with arrow lens on turn signal and brake lights programmed to double tap
- e) Intermediate Marker -
 - i) Lower clearance light should be Truck Light 10275Y and meet all FMVSS standards
- f) Clearance Lights –
 - i) All clearance lights should be Whelen Osa00mcr and meet all FMVSS standards
- 25) Audible warning devices:
 - a) Whelen SLS1 200-watt, 2-speaker siren
 - b) 2 100-watt speakers (Whelen SA314b (aluminum w/black epoxy coated finish) connected to siren mounted on bumper
 - c) Siren head mounted in cab within reach of driver with PA microphone
 - d) Air Horn System: location front bumper and activated by horn ring
- 26) License Plate Brackets (2) placed on front and rear to meet TXDOT standards
- 27) Back Up Alarm
- 28) Exterior Storage Compartments: maximize all under body space to be utilized as storage
 - a) Doors – triple latched, hinged, weather tight, with locks, powered and lit
 - b) Available criteria TBD selected based off of drawings at pre-construction conference:
 - i) Power outlets, Weather Proofing, Slide-Outs, Latches, Lighting
 - c) There shall be four (4) white LED strip lights, one (1) each left side of lower and upper exterior compartment door opening. The lights shall be controlled by an automatic door switch. Rope and or track White lighting located in top of compartment that activates with storage door opening
- 29) Walking/Step Surfaces: shall be non-slip to meet OSHA and ANSI requirements
- 30) Front Bumper
 - a) Heavy duty
 - b) Diamond plate surface
 - c) Tow attachment anchors
 - d) Quick Connect Power Cable (Battery Jumper) outlet
 - e) Air compressor quick connect port
- 31) Rear Bumper
 - a) Heavy duty
 - b) Diamond plate surface
 - c) Tow attachment anchors
 - d) Extended length
- 32) Rub Rails: aluminum along bottom on box
- 33) Drip Rails full circumference of box
- 34) Hand Rails / hand holds
 - a) On curbside door interior and vertical next to door opening
 - b) On rear door interior and vertical next to doors on interior
- 35) External Oxygen Bottle Storage: criteria to be selected based off of drawings at pre-construction conference system will ensure safe storage, crash protection, and easy access for replacement

- a) 6 H cylinders
 - b) 4 D cylinders
- 36) Oxygen Delivery System:
- a) Manifold:
 - i) Control and Connected to all 6 H cylinders
 - (1) To include system shut off and bleed off valves
 - ii) Be able to isolate individual cylinders
 - iii) Provide for delivery from all 6 cylinders to all littered pt. positions
 - iv) Provide for refill of all 6 cylinders
 - v) Manifold located for easy access and maintenance
 - vi) Central control panel to monitor individual cylinder PSI
 - vii) External Fill station/port to fill all cylinders from external source
- 37) Wall Oxygen outlets
- a) Location: at every littered/stretchers pt. position at foot of each litter
 - b) Ohmeda quick connect outlets (female)
 - c) (21) dial flow meters with Ohmeda quick connects
- 38) Interior Side Wall/Ceiling Surface
- a) Seamless
 - b) White
 - c) Dry erase marker compatible
 - d) Scratch and stain resistant/protective coating
 - e) FRP (fiber reinforced polymer)
- 39) Wheel Chair Tracks
- a) Crew captain's chairs can be moved and locked along full length of tracks
 - b) Interior to patient compartment
 - c) Located full length of patient compartment and in stretcher positions
 - i) Positioned in aisle 4 inches from bench seats on each side
 - ii) Positioned in stretcher bay with tracks at least 30 inches apart and far enough away from side wall for wheel chair handles
 - d) L-track tie-down system
- 40) Litter Track System: Ferno litter track system
- a) Locations: horizontal passenger side from storage to rear box and driver side crew compartment to rear of box
 - i) Track 1: bottom of track 1" above bench seat and padding
 - ii) Track 2: bottom of track 2 18" above center of track 1
 - iii) Track 3: bottom of track 3 18" above center of track 2
 - iv) Track 4 (optional): center of track 6" from ceiling
- 41) Litter Arms: Ferno Litter Arms – QTY 40 individual arms
- 42) Litters: 20 NATO style litters
- i) TALON II MODEL 90C COLLAPSIBLE HANDLE LITTER
- 43) Bench Seats:
- a) Locations: installed full length of Pt compartment except where stretchers located at rear most positions
 - b) Restraints: lap, seat belts for each seated position in pt. compartment
 - c) Padding
 - i) Upholstery: vinyl, anti-microbial
 - ii) Back rest: padding for seat backing mounted on Ferno Track lock not to be wide enough to impede NATO litter placement

- iii) Bench: minimum 1'5" of padding and removable (super magnetic attachment)
 - d) Dimensions: 18" tall and 28" deep
 - e) Bench Seat Storage:
 - i) Slide out drawer with securing latch system to prevent unintended slide out
- 44) Stretchers: 2 patient stretchers with appropriate anchoring devices
 - a) Locations bottom, rear most positions in pt. compartment; on each side
 - b) Option - Additional mounting anchor plate installed mid-line for bariatric stretcher
- 45) Fold Down Jump Seats: located over stretcher positions to accommodate 3 pts each side secured to side walls in such a way as to not impede stretchers
 - a) Restraints: lap, seat belts
 - b) Upholstery: vinyl, anti-microbial
- 46) Medication Refrigerator: mini-fridge style, 110 volts not to exceed dimensions designated for fridge compartment
- 47) Narcotic Storage TBD at pre-construction conference
 - a) KNOX BOX Med Vault
- 48) Storage Area above Medication Fridge
 - a) Customizable by purchaser. Space designated for storage/work station
- 49) Over-Curbside Door Storage Compartment
 - a) Specifically designated for electronics
 - b) 2, dual-20 amp plug outlets
 - c) Removable, adjustable shelves
 - d) (1) BlueSea 12-fuse block powered by in/out service circuit
 - e) (1) BlueSea 6-fuse block powered by battery direct
 - f) (1) grounding bar grounded to chassis
 - g) Ventilation fan with vents for circulation
 - h) Terminate all antenna coax here
 - i) All Cat 6 cables terminate here into patch panel
 - j) Dimensions: TBD
- 50) Curbside Door: single window
- 51) Over-curbside door Steps fold-down cover – to access Over-Curbside Door Storage Compartment
 - a) Over-curbside door Steps fold-down cover – to access Over-Curbside Door Storage Compartment Ambulance style door, weather proof
 - b) Eberhard latches (21-100 201c03 with key lock) with upper and lower Nader pin and emergency release overhead. Door latches placed where they are reachable from ground level; Plunger style hold-opens
 - c) On interior side of door, place a (0sr00fcr Whelen) single flash red marker light on bottom inside corners deactivated when door is closed
- 52) Rear Doors
 - i) Ambulance style doors with single window per door, weather proof, Eberhard latches (21-100 201c03 with key lock) with upper and lower Nader pin and emergency release overhead. Door latches placed where they are reachable from ground level; Plunger style hold-opens.
 - (1) On interior side of door, place a (0sr00fcr Whelen) single flash red marker light on bottom inside corners
 - ii) Rear of vehicle will dump with switch at rear door located on interior rear bulkhead, vehicle will auto inflate with parking brake released
- 53) HVAC: 15K BTUs with heat strips, low profile
 - a) (5) Units with individual thermostats roof mounted with drain tubes to low side of body

- i) Ducted across ceiling
 - b) Locations: one centered over crew compartment, remaining four units centered over each pt.-littered bay
 - c) Each HVAC will have protective aluminum cage to protect unit from branch strikes
- 54) (2) exhaust fans locate fore and aft of pt. compartment to outside air
- 55) Ramp
 - a) Location: Will be located and stored at rear of vehicle. Will be width of rear doors with removable handrails capable of supporting a minimum of 250lbs. Length will be sufficient to decrease angle of approach into vehicle and a minimum of 16ft
 - b) WT Capacity: must be able to support minimum 1200lbs to accommodate four crew and patient, stretcher with gear
 - c) Configuration: Shall be configured so that two crew members can safely deploy in a short timeframe. Ramp surface shall be solid aluminum with punched (similar to PEV) to provide traction in all weather. Ramp body will be configured into three, hinged sections with the center section twice as wide as the outer sections. Outer sections shall be capable of folding in and lying flat against center section. Outer sections shall have hand grips on underside and outer edges to facilitate ease of stow/deployment. Sections will be spring assisted to offset weight of ramp. Center ramp section shall be made of a single, contiguous piece.
 - d) Thresholds shall be aluminum and placed at top and bottom of ramp to ensure smooth entry and exit off ramp for stretcher and crew
 - e) Material/Surface - punched aluminum
 - f) Storage Compartment: shall be located under frame accessible under rear doors. Ramp will be stowed upon rollers and have grab handles on bottom sections to allow for ease of deployment. Hand rails will be stowed near ramp and accessible from rear of vehicle. Ramp will have spring assist lift when pulled into position to align with door threshold.
- 56) Winch: same as in current EMTF AMBUS – 3000 LB Warn
 - a) Location: mounting plate located on floor centered on rear doors set up for removal and deployment
- 57) Sharps Container Brackets – TBD by purchaser at pre-construction conference
- 58) Trash Can Brackets – TBD by purchaser at pre-construction conference
- 59) Bio-Waste storage - TBD by purchaser at pre-construction conference
- 60) Awning passenger side
 - a) Passenger side
 - b) Retractable
 - c) Automatic deploy and retract with manual options
 - d) Wind speed overrides
- 61) Exterior Paint -
 - a) The exterior custom cab and body painting procedure will consist of a seven (7) step finishing process as follows:
 - i) Manual Surface Preparation - All exposed metal surfaces on the custom cab and body will be thoroughly cleaned and prepared for painting. Imperfections on the exterior surfaces will be removed and sanded to a smooth finish. Exterior seams will be sealed before painting. Exterior surfaces that will not be painted include; chrome plating, polished stainless steel, anodized aluminum and bright aluminum treadplate.
 - ii) Chemical Cleaning and Pretreatment - All surfaces will be chemically cleaned to remove dirt, oil, grease, and metal oxides to ensure the subsequent coatings bond well. The aluminum surfaces will be properly cleaned and treated using a high pressure, high temperature 4 step Acid Etch process. The steel and stainless surfaces will be properly cleaned and treated

using a high temperature 3 step process specifically designed for steel or stainless. The chemical treatment converts the metal surface to a passive condition to help prevent corrosion. A final pure water rinse will be applied to all metal surfaces.

- iii) Surface Primer - The Surface Primer will be applied to a chemically treated metal surface to provide a strong corrosion protective basecoat. A minimum thickness of 2 mils of Surface Primer is applied to surfaces that require a Critical aesthetic finish. The Surface Primer is a two-component high solids urethane that has excellent sanding properties and an extra smooth finish when sanded.
 - iv) Finish Sanding - The Surface Primer will be sanded with a fine grit abrasive to achieve an ultra-smooth finish. This sanding process is critical to produce the smooth mirror like finish in the topcoat.
 - v) Sealer Primer - The Sealer Primer is applied prior to the Basecoat in all areas that have not been previously primed with the Surface Primer. The Sealer Primer is a two-component high solids urethane that goes on smooth and provides excellent gloss hold out when top coated.
 - vi) Basecoat Paint - Two coats of a high performance, two component high solids polyurethane basecoat will be applied. The Basecoat will be applied to a thickness that will achieve the proper color match. The Basecoat will be used in conjunction with a urethane clear coat to provide protection from the environment.
 - vii) Clear Coat - Two (2) coats of Clear Coat will be applied over the Basecoat color. The Clear Coat is a two-component high solids urethane that provides superior gloss and durability to the exterior surfaces. Lap style and roll-up doors will be Clear Coated to match the body. Paint warranty for the roll-up doors will be provided by the roll-up door manufacture.
- b) Each batch of basecoat color is checked for a proper match before painting of the cab and the body. After the cab and body are painted, the color is verified again to make sure that it matches the color standard. Electronic color measuring equipment is used to compare the color sample to the color standard entered into the computer. Color specifications are used to determine the color match. A Delta E reading is used to determine a good color match within each family color.
 - c) All removable items such as brackets, compartment doors, door hinges, and trim will be removed and separately if required, to ensure paint behind all mounted items. Body assemblies that cannot be finish painted after assembly will be finish painted before assembly.
 - d) Manufacturing paint finish quality levels for critical areas of the apparatus (cab front and sides, body sides and doors, and boom lettering panels) meet or exceed the Cadillac/General Motors GMW15777 global paint requirements. Orange peel levels meet or exceed the #6 A.C.T. standard in critical areas. These requirements are met in order for the exterior paint finish to be considered acceptable. The Pierce Manufacturing written paint standards will be available upon request.
 - e) The cab will be Freightliner White, with the box painted matching color. Match to Chassis white
- 62) Reflective Striping –
- a) All vinyl and decals must be 3M reflective vinyl
 - b) All painted areas of rear of vehicle shall be covered with 3M diamond grade reverse chevron conspicuity
- 63) Exterior Marking / Decals –
- a) All vinyl and decals must be 3M reflective vinyl
 - b) All painted areas on rear of vehicle shall be covered with 3M diamond grade reverse chevron conspicuity
 - c) Artwork to be agreed upon at pre-construction conference

- 64) Interior Labeling
 - a) No smoking signs
 - b) Exits
 - c) Fire extinguishers
 - d) Threshold, head strike zones safety striping
 - e) Vehicle dimensions in cab
 - f) Switch labels, panel labels,
 - g) Material and location TBD at pre-construction conference
- 65) HAZMAT storage/waste: interiorly located
- 66) Safety
 - a) Door open alarm on every door and external compartment.
 - i) Warning will indicate side and type
 - ii) Warning will have flashing light and audible signal with silence button that will reset upon park brake release
 - iii) Alarm will only alert with parking brake release
 - b) Multi-gas sensors
 - i) At minimum CO and smoke located
 - (1) One in crew compartment
 - (2) Two in patient compartment fore and aft
 - c) Fire extinguishers
 - i) Minimum 3 multi-purpose, 10lb extinguishers
 - (1) One in crew compartment
 - (2) Two in patient compartment fore and aft
- 67) Roof evacuation port/skylight: weather proof, evacuation hatches with break-away tempered glass, tinted, one-way view, with shade/slide cover
 - a) Skylight 1 located between first and second pt.-littered bays
 - b) Skylight 2 located between second and third patient bays
 - c) Corner padding on all edges
 - d) Rounded edges
 - e) Cut here roof markings on exterior
 - f) Flashlight brackets by all module doors
- 68) Grounding strap (all electrical)
 - a) Ground box to chassis in a minimum of three separate places
- 69) Antenna mount roof rail
 - a) To exit the module above electrical compartment over curbside door, will be minimum of 2" by 4" rail to the front, across the front and 6' down each side (6'x8'x6')
- 70) Box construction: no wood, insulated – sufficient to support Ferno Litter Track System with patients and gear
- 71) Module shall be approximately 12'8" ht., 102" wide, and 35' long
 - a) Module construction will be performed by converter
 - b) Module will be constructed from all aluminum
 - c) 3" extrusion bit
 - d) Module should be secured to frame rails to limit amount of flexing and free movement
 - e) Module will be outfitted to transport a minimum of 20 supine patients or 25 seated or combination thereof in addition to 4 crew cab seats towards front of module
 - f) With 20 supine patients, space shall be provided interspersed with pts for 4 care givers with minimum space of 25" and at a minimum a lap, seat belt
 - g) Module – chassis flexible, weather proof, boot to limit air noise

- i) Module mounted as close as possible without interference or creating contact with each other
 - h) Module will be fully insulated with spray in foam between out and inner walls, ceiling and floor
 - i) Insulation shall provide maximum sound proofing and thermal protection
 - i) Module framework structured to support Ferno litter track system
 - j) All module entry and compartment will be keyed alike
- 72) Underbody protective coating as appropriate
- 73) Dimension Maximums (total vehicle): height 12'10"; width 102", length 45'
- 74) Additional equipment:
- a) WVSM Kits AthenaGTX (2) Kits of 10 units

Section VII – Proposal Evaluation Criteria

Not all evaluation factors are equal in importance and each factor is weighted in accordance with the importance to STRAC and the Texas Emergency Medical Task Force program. Each item has been assessed a percentage upon which the final score will be determined. A total of 100% points for the following items will be considered a perfect score.

The following will be significant factors in evaluating proposals, but the evaluation will not be limited to these items when making a final recommendation.

- | | |
|------------------------------------|-----|
| A. Adherence to Specifications | 60% |
| B. Overall Cost | 20% |
| C. Availability / Time to Delivery | 20% |

Section VIII – Reply Page

Acquisition of [2] MPV Conversions

Submitted by: _____
Contact Information: (if not attached elsewhere)

Estimated Delivery Days: _____
Comments:

Unit Price: _____
Comments:

Additional Costs: _____
Details of Additional Costs:

Grand Total: \$ _____

Additional Comments:

* PLEASE INCLUDE ANY ADDITIONAL DESCRIPTIVE LITERATURE, WHICH MIGHT BE OF ASSISTANCE IN THE DECISION-MAKING PROCESS. *

Section IX – Signature Page

The Southwest Texas Regional Advisory Council in its sole and absolute discretion shall have the right to make an award for purchases for any or all materials listed in each proposal, shall have the right to waive any formality or irregularity, to make awards to more than one bidder, to reject any and all proposals, shall not be bound to accept the lowest proposal and shall be allowed to accept the total proposal of any one vendor.

Authorized Signature

Typed or Printed Name

Company Name

Title

Address

Email Address

Phone Numbers