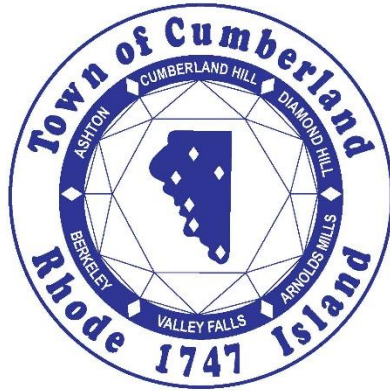


TOWN OF CUMBERLAND, RHODE ISLAND



THE PURCHASE OF AN AMBULANCE FOR CUMBERLAND EMS

TOWN OF CUMBERLAND
COUNTY OF PROVIDENCE
RHODE ISLAND

BID # 2021-1122-01

November 2021



INVITATION TO BID
TOWN OF CUMBERLAND, RHODE ISLAND

BID # 2021-1122-01

Notice is hereby given that the Town of Cumberland will be accepting bids for the:

Purchase of an Ambulance for Cumberland EMS

The Town of Cumberland will accept sealed bids for **“THE PURCHASE OF AN AMBULANCE FOR CUMBERLAND EMS”** at the office of the Finance Director, Town Hall, 45 Broad Street, Cumberland, Rhode Island, 02864, no later than **02:00 PM on November 22, 2021**, at which time bids will be opened and read aloud in a manner accessible to the public in the Town Council Chambers.

Bidding Documents and Contract Specifications will be posted on the Town website at www.cumberlandri.org, and the RI State Purchasing website at www.purchasing.ri.gov.

The contract will be awarded to the lowest, qualified, responsible bidder. The Town of Cumberland reserves the right to accept or reject, without prejudice, all bids to waive any irregularities therein, or to accept the proposal deemed to be in the best interest of the Town of Cumberland. The Town of Cumberland does not discriminate based on age, race, religion, national origin, color, or disability in accordance with applicable laws and regulations.

Bids must be submitted in sealed envelopes with the above noted proper title endorsed thereon, in the form provided with executed copies of Appendices A and B, and addressed and delivered to the Town Finance Director, Town of Cumberland at the above-referenced address. The bid submittal shall consist of the original bid proposal and three (3) copies of the bid.

All bids are due by 2:00 PM on November 22, 2021, at which time bids will be opened and read aloud publicly in the Town Council Chambers.

Questions regarding this bid shall be directed to Chief John Pliakas at jpliakas@cumberlandri.org

RECEIPT AND OPENING OF PROPOSALS:

Sealed proposals will be accepted, and time stamped upon receipt in the Office of Finance Director, Cumberland Town Hall, 45 Broad St., Cumberland, Rhode Island 02864.

Bids Due: November 22, 2021, no later than 2:00 PM.

Bid Opening: Bids will be publicly opened and read aloud in the Town Council Chambers at 45 Broad Street, Cumberland, RI

FORM OF BID:

Proposals shall be submitted in duplicate on the form provided with supplemental information, warranties and other required documentation, literature, and materials on the bidder's own form.

SUBMISSION OF BIDS:

1. Envelopes containing bids must be sealed and addressed to the Office of the Finance Director, Cumberland Town Hall, 45 Broad St., Cumberland, RI, 02864, and **must be marked with the name and address of the bidder and name of item in bid call, Bid #2021-1122-01. Purchase of an Ambulance for Cumberland EMS.**
2. The Town of Cumberland will decide when the specified time has arrived to open bids, and no bid received thereafter will be considered.
3. Any bidder may withdraw his bid by written request at any time prior to the advertised time for opening. Telephonic bids, amendments, or withdrawals will not be accepted.
4. Unless otherwise specified, no bid may be withdrawn for a period of sixty (60) days from time of bid opening.
5. Negligence on the part of the bidder in preparing the bid confers no rights for the withdrawal of the bid after it has been opened.
6. Proposals received prior to the time opening will be securely kept, unopened. No responsibility will be attached to an officer or person for the premature opening of a proposal not properly addressed and identified.
7. Any deviation from the specifications must be noted in writing and attached as part of the bid proposal. The bidder shall indicate the item or part with the deviation and indicate how the bid will deviate from specifications.

RHODE ISLAND SALES TAX:

The Town is exempt from the payment of the Rhode Island Sales Tax under the 1956 General Laws of the State of Rhode Island, 44-18-30, Paragraph I, as amended.

FEDERAL EXCISE TAXES:

The Town is exempt from the payment of any excise tax or federal transportation taxes. The price bid must be exclusive of taxes and will be so construed.

QUALIFICATION OF BIDDERS:

The owner may make such investigations as it deems necessary to determine the ability of the bidder to perform the work. The bidder shall furnish the Town with all such information and data for this purpose as may be requested.

ADDENDA AND INTERPRETATIONS:

No interpretation on the meaning of the Plans, Specifications or other Contract Document will be made to any bidder orally. Every request for such interpretations should be in writing, addressed to Chief Pliakas at jpliakas@cumberlandri.org , and to be given consideration must be received at least three (3) days prior to the date fixed for the opening of the bids.

The Town is not responsible for information obtained from any other source.

DELIVERY:

Bid should include any cost for delivery to Cumberland EMS at 1379 Diamond Hill Road, Cumberland, RI 028664.

HOLD HARMLESS:

The contractor shall be responsible for his work and every part thereof, and for all materials, tools, appliances, and property of every description used in connection therewith. The contractor agrees to indemnify and save harmless the Town of Cumberland, its employees and agents, against loss or expense by reason of the liability imposed by law upon the contractor, all sub-contractors, or owner for damage because of bodily injuries, including person or persons or on account of damage to property arising out of or in consequence of the performance of this work whether such injuries to persons or damage to property are due or claimed to be due to any negligence, including gross negligence, of a sub-contractor, the owner, the general contractor, his or their employees or agents, or any other person

REQUIRED SPECIFICATIONS

This specification identifies the minimum requirements for new automotive Emergency Medical Services (EMS) ambulances (except military field ambulances) built on Original Equipment Manufacturer's Chassis (OEM) that are prepared by the OEM for use as an ambulance.

The bidding manufacturer shall build in accordance to KKK-A-1822F, current Change Notice revision and be capable of passing testing certifications. The manufacturer shall be able to provide testing or certification results for the following requirements:

BIDDER KKK-A-1822F CHANGE NOTICE 8 COMPLIANT

Bidder shall be KKK-A-1822F Change Notice 8 compliant to meet SAE J3026 - Ambulance Patient Compartment Seating Integrity and Occupant Restraint Standards, and SAE J3027 - Ambulance Litter Integrity, Retention, and Patient Restraint Standards.

BIDDER KKK-A-1822F CHANGE NOTICE 9 COMPLIANT

Bidder shall be KKK-A-1822F Change Notice 9 compliant to meet SAE J3043 - Ambulance Equipment Mounts; Interior Stowage Accommodations; Equipment Mounting Devices: Installed Oxygen cylinder, cardiac monitor, and fire extinguisher mounting devices shall meet the performance requirements of SAE J3043.

BIDDER KKK-A-1822F CHANGE NOTICE 10 COMPLIANT

Bidder shall be: KKK-A_1822F Change Notice 10 compliant to meet: SAE J3058 - Ambulance Interior Storage Compartment Integrity; SAE J3057- Ambulance Modular Body Evaluation-Quasi-Static Loading for Type I and Type III Modular Ambulance Bodies; SAE J3102- Ambulance Patient Compartment Structural Integrity Test to Support SAE J3027 Compliant Litter Systems; SAE J3043 - Ambulance Equipment Mounts, Interior Stowage Accommodations, Equipment Mounting Devices; Installed suction mounting; to conform to all applicable requirements.

BIDDER KKK-A-1822F CHANGE NOTICE 11 COMPLIANT

Bidder cab console to meet SAE J3043; Ambulance Equipment Mount Device or Systems, to be KKK-A-1822F Change Notice 11 compliant and shall be labeled with its weight capacity.

BIDDER KKK-A-1822F CHANGE NOTICE 12 COMPLIANT

Revision to the existing standards include Temperature Conditions; Engine High-Idle Speed Control; Ambulance Emergency Lighting, Photometric, Chromaticity, and Physical Requirements; Tests, Warning Light System; Flood and Loading Light (Exterior); Bumpers and Steps; Doors; Equipment Mounting Devices; Oxygen Main Supply and Installation; Ventilation Criteria; Siren – Public Address System; and Test Criteria.

----- DO YOU COMPLY Y___N___

Type I - Pick up Testing Capabilities

The ambulance manufacturer shall be equipped to do a majority of the ambulance testing at their facility. All pull tests, load tests, (including the module load test), lighting level tests and noise level tests shall be done at the manufacturer's facility. The manufacturer shall have a full range of testing equipment proven by an independent engineering agency.

In-house testing facilities are preferred by this purchaser as this gives the manufacturer flexibility to perform tests on various designs and iterations on a continual basis. All testing shall be audited and documented by an engineering, which will all be accredited under the board of engineering and technology of their respective state or province. If the Ambulance manufacturer does not have its own testing facility on-site, a detailed description of how continual testing is provided shall be detailed in the bid proposal.

Testing Requirements

The bidding manufacturer shall be capable of passing testing certifications for North America. All testing performed shall meet or exceed the highest requirement set forth in any of the North American standards listed here. The manufacturer shall be able to provide testing or certification results for the following requirements.

Copies of testing documentation and certification for the AMD requirements shall be provided with this proposal:

Copies of different vehicle certifications for the following vehicle specifications shall be provided with this proposal:

- KKK: Federal Specification for the Star of Life Ambulance (KKK-A-1822)
- FMVSS: US Federal Motor Vehicle Safety Standards and Regulations
- DOT: US Department of Transportation

Any manufacturer who exceeds these specifications is welcomed to provide data. However, it needs to be useful in the application of the purchaser to be considered a plus.

Additional Testing Requirements

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

AMD 004: Cot Retention Pull Test

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

AMD 006: Sound Level Test

Above and beyond the minimum requirement of 80 decibels or less as tested in the patient compartment, the bidding manufacturer must also perform a sound level test

in the front cab, with windows opened 6 inches and reach a minimum requirement of 89 decibels or less. Another sound level test in the front cab must be done with windows closed while reaching a minimum of 84

decibels or less.

AMD 008: Patient compartment Grab Rail Test

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

AMD 012: Interior Climate Control Test

Heating

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

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

Air Conditioning

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

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

AMD 013: Weight Distribution

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

Additional Testing Requirements

Safety Net and Safety Net Anchor Points Pull Tests

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

Test Scope – Anchor Points

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

Test Scope – Safety Net

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

Street side Cabinetry Pull Test

The bidding manufacturer will need to meet or exceed a pull test on the street side medical cabinetry equivalent

to 25 times the weight of the cabinet and action wall

assembly or, in the case the cabinets are individual components of the wall assembly, the sum of every individual cabinet plus the cabinet shelves and action wall, in both lateral and longitudinal axis', with the force equally dispersed on the surface of the cabinet. The pull test shall be conducted on a final assembled cabinet installed in a similar module.

Test Scope – Street Side Cabinetry Pull Test

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

Equipment Restraint Devices Pull Tests

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

Test Scope – Equipment Restraint Devices

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

Certification Documents

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

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

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

1. For whom tested
2. Report date
3. Name of sample product or device
4. Contractor's address
5. Serial and model number(s)
6. Specification referral and amendment number(s), and test requirement(s)
7. Test facilities used and location
8. Test equipment used

- 9. Test procedure
- 10. Test results
- 11. Verifying test data
- 12. Photographs
- 13. Test conclusion(s)
- 14. Witness(es)
- 15. Authorized signature

Certification documentation shall be delivered with the ambulance, including results of the certification tests. Each model the manufacturer offers shall be tested and certified. The purchaser will not accept testing certification on the largest model size as a “blanket certification” for all models without detailed justification and/or calculation.

----- DO YOU COMPLY Y___N___

Chassis Model year 2022
Chassis Model year 2022

----- DO YOU COMPLY Y___N___

Conversion RAM 4500 Chassis Cab
Conversion RAM 4500 Chassis Cab

All bodies, systems, equipment, and interfaces with the chassis shall be done in accordance with OEM best practices.

----- DO YOU COMPLY Y___N___

Ram 4500 Diesel Chassis Cab 4X4 192.5
Ram 4500 Diesel Chassis Cab 4X4 192.5
6,7L CUMMINS Turbo Diesel Engine
Wheelbase 192.5" (4890 mm)
GVWR (Gross vehicle weight rating) 16,500 Lbs / 7,486 Kg

DEF and Fuel fill cast alum

2021 FLEET NON-RETAIL RAM 4500 2WD REG CAB 192.5" WB 108" CA TRADESMAN DP4L65
VEHICLE 2020 4500 REG CAB CHASSIS 4X4 (192.5 in WB) (DP4L65)

MODEL DP4L65 4500 REG CAB CHASSIS 4X4 (192.5 in WB)

PACKAGES

2YA Customer Preferred Order Package Includes:

- ETN Engine 6.7L I6 Cummins Turbo Diesel
- DF2 Transmission 6-speed automatic Aisin AS69RC HD
- MZZ Black wheel flares
- CLP Door Sill Scuff Pads
- JKH Glove box
- LME Halogen Quad Headlamps
- CEU Key Fob Black
- LBA Map/Courtesy Lamp
- LCH Rear Dome Lamp
- CV3 Urethane Shift Knob

ETN Package Includes:

- DMF 4.10 Axle Ratio
- JJ6 87 Mph Maximum Speed
- XXJ Bio Diesel Capability
- XKH Clean Idle Emissions Label
- MPG Cummins Turbo Diesel Badge
- NZC Current Generation Engine Controller
- BCC Dual 730 Amp Maintenance Free Batteries
- NHN Electronically Controlled Throttle
- XAL Selective Catalytic Reduction
- NEN Smart Diesel Exhaust Brake
- HDB Supplemental Heater

UAA Uconnect 3 Package Includes:

- RFU 5.0" Touch Screen Display
- RSD SiriusXM Satellite Radio
- X9B 1 Year SiriusXM Radio Service
- X9H For More Information Call 800-643-2112

- JLP GPS Antenna Input
- XRB Integrated Voice Command w/ Bluetooth
- JFJ Temperature and Compass Gauge

AMP Chrome Appearance Group Package includes:

- MCT Bright Front Bumper
- MAF Grille Matte Black Mesh w/Chrome
- MNQ Grille Surround Chrome

ADE Cold Weather Group Package includes:

- NHK Engine Block Heater
- XD6 Winter Front Grille Cover

AH6 Emergency/Fire/Rescue Special Emissions Package Includes:

- XF7 Dual 220 Amps Alternators Rated at 440 Amps
- XNR Manual DPF Regeneration
- HBC Rear A/C Heater Prep Group
- XKZ Special Emissions-Emergency Vehicle
- XF6 Voltage Monitoring Auto Idle Up System

A61 Tradesman Level 1 Equipment Group Package Includes:

- LEB Exterior Mirrors W/Supplemental Signals
- LEC Exterior Mirrors Courtesy Lamps
- NJH Exterior Mirrors W/Heating Element
- LYN Mirror Running Lights
- CUN Overhead Console
- LBT Overhead Cupholder Lamp
- GPG Power Black Trailer Tow Mirrors
- JPY Power Windows, Front 1-Touch Down
- GXM Remote Keyless Entry w/o 2TG
- MTN Satin Chrome Interior Door Handles
- JPH Speed Sensitive Power Locks
- CTY Upgraded Door Trim Panel w/o 2TG

PAINT/SEAT/TRIM

- PW7 Bright White Clear Coat
- APA Monotone Paint
- *V9 Cloth 40/20/40 Bench Seat
- -X8 Black/Diesel Gray

OTHER FEATURES

- GFD Rear Sliding Window
- TBB Full Size Spare Tire – 19” .5 steel spare wheel
- ME4 “RAM” Door Badges
- ME6 “RAM” Grille Badge
- CJT Delete Front Center Seat
- DJK 10.5" Front Axle
- CLY Front Rubber Floor Mats
- DRY 12.0” Banjo Rear Axle
- JCB 120 Mph Primary Speedometer
- JJJ 12v Auxiliary Power Outlet
- WP3 19.5x6.0 Steel Wheels
- TAE 225/70R 19.5G All Position Tires
- RCD 4 Speakers
- SCF 4-Spoke Steering Wheel
- NAS 50 State Emissions
- NFH 52 Gallon Rear Fuel Tank

- XFK 7 Pin Trailer Wiring Harness
- RD3 Accent Color Shark Fin Antenna
- MDX Active Grille Shutters
- CG3 Advanced Multistage Front Air Bags
- HAA Air Conditioning
- DR8 American Axle Brand
- BRT Anti-Lock 4-Wheel Disc Brakes
- DSA Anti-Spin Differential Rear Axle
- RSU Audio Jack Input for Mobile Devices
- LHL Auxiliary Switches - I/P Mounted
- NHB Auxiliary Transmission Oil Cooler
- CTL Base Door Trim Panel
- A6A Base Equipment Group
- CU3 Behind the Seat Storage Bin
- MNA Black Door Handles
- LE4 Black Exterior Mirrors
- CKJ Black Vinyl Floor Covering
- MMZ Black Wheel Flares
- LB6 Bulb Out Detection Defeat for LED
- X75 Bumper Module II
- X8S Center Console Parts Module
- MFP Chrome Headlamp Bezels
- LNC Clearance Lamps
- JAE Cluster 3.5" TFT BW Display
- HGB Dash Liner Insulation
- LM1 Daytime Running Headlamps, Low Beam
- LP8 Delete Cargo Lamp
- XBC Delete Pickup Box
- X82 Door Parts Module
- CSP Driver/Passenger Assist Handles
- CDX Driver Passenger Headrest
- JVA Driver Seat - Manual Adjust 4-Way
- JJB Dual Note Electric Horns
- WLA Dual Rear Wheels
- DH4 Electronic Range Select
- BNB Electronic Stability Control
- NHJ Exterior Mirrors w/ Heating Elements
- HGF Floor Tunnel Insulation
- GPD Folding Trailer Tow Mirrors
- MXB Front Air Dam
- CDR Front Armrest w/Cupholders
- X83 Front End Parts Module
- SFB Front Heavy Duty Shock Absorbers
- CGD Front Height Adjust Shoulder Belts
- MDA Front License Plate Bracket
- SHA Front Stabilizer Bar
- MHR Front Wheel Well Liners
- JWA Front Pass Seat - Manual Adjust 4-Way
- LHD Headlamp Off Time Delay
- X8Y Headliner Parts Module
- NMC Heavy Duty Engine Cooling

- JE1 I/P Bezels-Painted
- JY1 Instrument Cluster Theme 1
- X81 Instrument Panel Parts Module
- XZG Job Rated
- RSF Media Hub-2 USB, Full Function, Auxiliary
- LNY Mirror Running Lights
- XA8 Non-Adjustable Pedals
- GNM Passenger Side Sun Visor W/Mirror
- JKY Power Accessory Delay
- SBE Power Steering
- GX4 Pushbutton Start
- MUP Ram 4500 Badge
- BHD Ready Alert Braking
- SGB Rear Heavy Duty Shock Absorbers
- SHD Rear Heavy Duty Stabilizer Bar
- GNA Rear View Day/Night Mirror
- RS3 Remote USB Port - Charge Only
- RSX Remote USB Port
- X8Z Seat Parts Module
- GXX Sentry Key Theft Deterrent System
- NHM Speed Control
- BNF Stationary Elevated Engine Idle
- SUA Tilt Steering Column
- GAC Tinted Glass Windows
- GBB Tinted Windshield Glass
- XBN Tip Start
- X88 Tire Wheel Parts Module
- XEA Tow Hooks
- LEG Trailer Tow Mirrors
- XXS Upfitter Electronic Module
- RF7 USB Host Flip
- JHA Var Intermittent Windshield Wipers
- LAZ Vehicle Information Center

GAWR FRONT 7,000 LBS

GAWR REAR 12,000 LBS

GVWR 16,500 LB

----- DO YOU COMPLY Y___N___
 Setina Push bumper

Install Setina PB 400 install 2 red LEDs on side of bumper (ION)

----- DO YOU COMPLY Y___N___
 Tire pressure monitoring

Install end cap indicators, Dodge does not have monitoring

----- DO YOU COMPLY Y___N___
 CHASSIS MODEL YEAR

The chassis model year is to be a 2022

----- DO YOU COMPLY Y___N___

Liquid Spring™ Suspension Type I

Compressible Liquid Adaptive Suspension System is a smart suspension system. Liquid--based struts and an on--board processor provide better handling and control, and a smoother, softer ride. The reduced vehicle vibration increases comfort.

A CLASS®, or Compressible Liquid Adaptive Suspension System, shall be provided and installed. Utilizing a strut, with a compressible fluid as the spring/damping medium, and its sophisticated on-board microprocessor, CLASS® adapts the entire vehicle's response to road variations and the driver. Unlike current steel and air sprung suspension systems, CLASS® can automatically and instantaneously change the spring stiffness and damping at each wheel over a very broad range with minimal power consumption while the vehicle is being driven and without driver intervention. The system shall include an automatic lowering feature, which is activated by opening the rear patient compartment doors. There shall be a switch near the rear doors which will defeat the lowering feature.

----- DO YOU COMPLY Y___N___

170 INCH Ambulance Module
Ambulance Module Structure / Door Structure and Accessories Included

Body Dimensions

The overall dimensions of the completed ambulance module shall be 170” long by 95” wide. The interior headroom shall be 72” from the floor to the ceiling.

----- DO YOU COMPLY Y___N___

Overall Construction

The entire modular body shall be engineered to provide the highest possible structural integrity while maintaining the lowest possible overall weight. This method of engineered construction shall provide an efficient ambulance design with greater usable payload, improved ride characteristics and greater maintenance intervals on brakes and suspension components.

The completed ambulance shall have no water leakage into the cab, compartments, patient compartment, or through any door seal, light seal, or pass-through seal.

All welding performed on the fabricated ambulance shall be completed by a welder certified in their welding discipline. Manufacturers providing only certification of department supervisors or final inspectors shall not be acceptable and shall be cause for rejection. Certified welders are desired by the purchaser as this proves the welder has met the requirements to perform the task at a high level of quality and consistency. The manufacturer shall provide proof of the welder’s certification upon the purchaser’s request.

Holes and cutouts, for lights and other components attached to the side of the ambulance, shall be painted or protected against corrosion. When installation hardware is of dissimilar metals, an anti-corrosive electrolysis inhibitor in addition to a plastic insert shall be installed to ensure no contact is made between the module body

and hardware fastener.

Roof Construction

The ambulance roof shall be of aluminum construction utilizing a customized formed roof extrusion, a roof structure and a single piece roof. The roof extrusion shall be constructed to integrate and accept the side wall tubes, side wall skin, roof skin and roof structure. A drip rail shall also be integrated into this extrusion.

The roof tube structure shall be 1.5" x 2", variable thickness tubes made of 6061-T6 aluminum. The extruded tube structure shall incorporate a .125 thickness on the longitudinal side and a .070 thickness on the lateral side with four (4) 1/4" radiuses to allow better welding. 5052-H32 1/8" formed C-channel shall be welded to the roof structure in each area where additional equipment will be installed. The safety net reinforcement structure utilizes the c-channel and an additional 1/4" 6061-T6 mounting plate welded inside the C-channel to provide the necessary strength to withstand the forces needed to keep the safety net secured.

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

The module corner extrusions and the roof extrusions shall be constructed in a manner to properly fit without needing corner caps. Unwelded corner pieces allow for more torsion in the modular body and could compromise the structural integrity of the roof and corner construction.

The purchaser will not accept prototype build/models or untested construction methods used only to satisfy the detailed description of this specification.

Side Body Construction

The side of the ambulance body structure shall be constructed of 1.5" x 2", variable thickness tubes made of 6061-T6 aluminum. The extruded tube structure shall incorporate a .125 thickness on the longitudinal side and a .070 thickness on the lateral side with four (4) 1/4" radiuses to allow better welding. Side tubes shall be placed at a maximum of 16" on center. Corner extrusions are welded to the side structure.

A one (1) piece CNC machined cut side wall made of .090" 5052-H32 aluminum shall be chemically bonded to the side structure. The side wall and tubing surfaces shall be properly prepped and cleaned to accept this adhesive. This attachment method is preferred as it creates a side wall surface with no warpage as no heat transfer takes place as it would when the side wall is welded. The side wall shall be inserted into the roof extrusion lip and welded to this extrusion on the back side.

In areas where seating is going to be installed, the side wall shall have a 1/2" 6061-T6 mounting plate rail installed. It shall serve as a proper seat belt mounting point as well as an additional reinforcement in the event of a side impact.

Alternative side wall construction methods not complying with the above detailed specifications can be presented and shall be detailed in the exceptions section of this bid proposal. Photographs and a detailed documentation of the process shall be included in the bid specification.

The purchaser will not accept prototype build/models or untested construction methods used only to satisfy the detailed description of this specification.

Floor Construction

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

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

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

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

Drop Skirts

On both sides of the ambulance module, there shall be a 6' drop skirt.

This drop skirt will start forward of the rear wheel well up to the front of the ambulance module.

Consequently, the step-in height will be in a comfortable range and the S1 S2 street side exterior compartments will allow an easy loading height.

Wheel Wells

An aluminum wheel well shall be incorporated into the underbody structure. This wheel well shall be sealed to prevent water or debris from entering the module. The interior surface of the wheel well shall be insulated with foam to prevent noise caused from vibration and exterior road noise.

Compartment Construction

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

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

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

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

The purchaser will not accept prototype build/models or untested construction methods used only to satisfy the detailed description of this specification.

Door Frame Construction

All exterior storage compartments shall be constructed of an extruded door frame structure which will be welded to the back of the door structure. The front of the extruded door shall not have any signs of welding as this causes distortion to the door and requires the use of body filler to create the illusion of a smooth surface. Holes for the door hinges shall be CNC machined into the jamb for exact fit when the door is installed. Extruded door jambs shall be sealed against the side wall skin. The extrusion shall be treated and adhered to the side skin to ensure debris and weather does not penetrate the extrusion area. This method is preferred as the extrusion attachments allow for an amount of necessary flex and torsion when the ambulance is in motion. This CNC machined method allows for the easy ordering and replacement of the door should it become damaged during the life of the ambulance.

Door Construction

General Construction

Each door shall be constructed from an extrusion that mates to the door jamb structure. Cut outs for the latches and hinges shall be machine cut and not manually hand cut or drilled out to ensure a consistent fit. The door extrusions shall be welded securely at the mitered edges and each corner shall have a welded reinforcement. The extrusion shall be designed such that the weather seal is placed ahead of the door latch to assist in keeping debris from getting into the latch. When closed, the door shall form a complete weather tight seal. A second formed rubber weather seal shall be installed on the door frame ensuring a durable weather seal for each compartment.

Adequate reinforcement shall be installed to ensure door rigidity and provide mounting locations for assist handles and /or other equipment.

The exterior door panel skin shall be constructed of one (1) piece .090 formed aluminum. The aluminum shall be engineered to wrap around the form door extrusion to create a complete aesthetically pleasing appearance without exposed seams. Exterior door panels shall be adhered to the extruded door structure with a chemical bonding adhesive. The completed exterior door shall be engineered to fit properly and square into the doorjamb extrusion.

Door hinges shall be screwed through the pre tapped door and door jamb extrusions. They shall be rust resistant piano hinges. Each door shall be equipped with an appropriate variable speed gas strut hold open to ensure a solid closure. Spring type hold opens are not desired due to their tendency to wear and break over time.

Compartment Door Panels

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

Access Door Panels

Access door interior panels shall be divided in three (3) sections, top, middle and lower. The top section shall be made of fiberglass. The recessed window section shall be covered by this trim. The lower section shall be made of stainless steel. The center section shall be made of powder coated aluminum. It shall cover the top and lower section joints via swags. The center sections must be removable for door handle maintenance without the need to remove any other components such as assist handles.

Body Mounting

The module body shall be installed using the OEM insulated rubber puck mounts securely bolted from the bottom to allow for ease of removal should the vehicle be remounted. The module body shall be mounted in 12 locations, six (6) on each side of the chassis frame rails. OEM supplied automotive style rubber puck mounts shall be bolted through 1/2" 6061 T6 aluminum structure plates to serve as reinforcement points of the bottom of the module as well as provide a solid single surface piece to absorb the natural torsion as the vehicle is in motion ("body roll"). Two additional steel "L" bracket, one (1) on each side, shall be added to the rear chassis frame. These "L" brackets shall also serve as a mounting point for the rear bumper. The body shall be mounted in such a manner as to allow the lowest possible load height.

----- DO YOU COMPLY Y___N___

C1 Door, ALS Access and Battery Location

First door on curbside (C1) for ALS compartment access and battery slide out sealed compartment. This compartment shall be located on the curbside front of the module. It is designed to provide interior/exterior access to the ALS compartment. The lower section includes a battery drawer for conversion batteries. Lighting is to be provided by LED lights.

----- DO YOU COMPLY Y___N___

C2, Curbside Entry Door

Side entry door on curbside (C2) for patient compartment access, with flush-mounted, automotive-style window. A side access door shall be located just behind the C1 compartment. This full height door shall allow for entering and exiting the module patient compartment. This door shall have a automotive style window as specified in the window section of this specification. Non-skid steps shall be built into the side entry doorstep well. The side surfaces shall be aluminum diamond plate and shall cover the entire step well area. Entry area is to be lit by an LED light. There shall be two (2) drains punched in the floor towards the front of the compartment, one (1) on each step.

The side access doors shall incorporate an emergency release latch at the top and the bottom of the doors. This emergency device shall directly trigger the door latch to an open position in the event the door handle becomes inoperative.

----- DO YOU COMPLY Y___N___

C3 Door, Storage Exterior Compartment

Third door on curbside (C3) for backboard or other storage. (Included)
This storage compartment shall be located at the rear curbside of the vehicle. Lighting is to be provided by LED

light and the floor protected by a dry carpet.

----- DO YOU COMPLY Y___N___

Stair Chair Location, Two (2) Adjustable Shelves

Stair chair location with two (2) adjustable shelves and retaining safety belt for backboard in C3 compartment. The C3 compartment shall be located at the rear curbside of the vehicle. It shall contain one (1) fixed divider and two (2) adjustable shelves made from high-strength aluminum alloy and steel for maximum durability with straps for backboard or spine board storage. The bottom section shall accommodate a stair chair storage area.

----- DO YOU COMPLY Y___N___

High-Intensity Compartment Tube Lighting

High-intensity tube lighting for Compartments. With Side entry Door Steps. There shall be a high-intensity tube lighting in the storage compartment. They shall be made with Whelen Fluorent Plus™ Series lighting and utilizes two Super-LED diodes per inch.

----- DO YOU COMPLY Y___N___

E Door, Electrical Exterior Compartment

Upper door (E) for electrical panel access. (Included) This compartment shall contain all electrical components, including Electronic Controller Units for the multiplex system. It shall be locked with a different key and not part of the electronic lock and unlock system. Lighting is to be provided by LED light.

----- DO YOU COMPLY Y___N___

A1 and A2, Rear Entry Doors, Individual Door Handles

Two (2) rear entry doors for patient compartment access, each with its individual exterior door handle. Two (2) rear access doors shall allow for patient loading. Each door shall have fixed automotive style windows as specified in the windows section.

The rear access doors shall incorporate an emergency release latch at the top and the bottom of the doors. This emergency device shall directly trigger the door latch to an open position in the event the door handle becomes inoperative.

----- DO YOU COMPLY Y___N___

S1 Door, Main Oxygen Exterior Compartment

First door on streetside (S1) for main vertical oxygen cylinder. (Included) This compartment shall be located on the driver's side front of the module directly behind the cab. This compartment shall be used for the storage of the oxygen cylinder(s). Lighting is to be provided by a LED light and the floor protected by a dry carpet.

----- DO YOU COMPLY Y___N___

Full-Depth Shelf, One (1), Adjustable

One (1) full-depth, adjustable shelf in S2 compartment.

The compartment used for the storage shall have an adjustable shelf.

----- DO YOU COMPLY Y___N___
Fire Extinguisher, ABC-Rated, 5 lbs, with Bracket

Fire extinguisher, 5 lbs, ABC-rated, with heavy duty bracket in S2 compartment.
At floor level There shall be a fire extinguisher mounted in the compartment with a heavy-duty bracket.

----- DO YOU COMPLY Y___N___

S2 Door, Storage Exterior Comp

Second door on streetside (S2) for equipment storage for MX/MXP170. (included)
This compartment shall contain all electrical components, including Electronic Controller Units for the multiplex system. It shall be locked with a different key and not part of the electronic lock and unlock system. Lighting is to be provided by a LED light.

----- DO YOU COMPLY Y___N___
S3 Compartment, Equipment Storage, Full height

Third door on streetside (S3) for equipment storage. Full height compartment.
This full height storage compartment shall be located at the rear of the driver side behind the fuel filler.

----- DO YOU COMPLY Y___N___

Full-Depth Shelves, Three (3), Adjustable

Three (3) full-depth, adjustable shelves in S3 compartment.
The storage compartment shall house three (3) adjustable full depth shelves for general storage.

----- DO YOU COMPLY Y___N___

Shelf in S1

Install 1 shelf (adjustable) in S1 over oxygen tanks

----- DO YOU COMPLY Y___N___

Install 3 adjustable shelves in C1

Add 1x adjustable shelf in ALS, for a total of 3x

----- DO YOU COMPLY Y___N___

Strap for Stair chair

Add a strap to secure chair against vertical divider, allow door closure.

----- DO YOU COMPLY Y___N___

NON-EMERGENCY LIGHTS

Turn Signal Lights, Amber (2), LED

Two (2) amber turn-signal lights, intermediate side mount. Whelen 700 series (7 x 3) LED lights.
Two (2) amber turn-signal lights, intermediate side mount. Whelen 700 series (7 x 3) LED lights shall be installed above the wheel well fenderette, one (1) on each side.

----- DO YOU COMPLY Y___N___

Third Upper Brake Light, LED

Third upper brake light at rear of module. Whelen 600 series (6 x 4) LED light.
Third upper brake light Whelen 600 series (6 x 4) LED light shall be install at rear of module.

----- DO YOU COMPLY Y___N___

Rear Step Plate: Turn Signal Light, Brake, Reverse

Two (2) red brake/taillights, two (2) amber turn lights, and two (2) reverse lights installed in rear step plate. Round LED lights.

The stop, tail, turn and reverse lights shall be integrated in the rear kick panel. They shall all be LED 4” round light with rubber bezel. Two (2) shall be amber, two (2) shall be red and two (2) shall be clear.

----- DO YOU COMPLY Y___N___

Mid-Height Lights: Arrow, Brake, Reverse

Two (2) amber arrows, two (2) red brake lights, and two (2) reverse lights at mid height. Whelen 600 series LED lights (6 x 4).

The stop, tail, turn and reverse lights shall be integrated at the rear of the module at mid-height. They shall all be two (2) amber arrows, two (2) red brake lights, and two (2) reverse lights. Whelen 600 series LED lights (6 x 4).

----- DO YOU COMPLY Y___N___

Marker Lights, Amber (7) and Red (7), LED

Seven (7) front upper center and corner amber LED marker lights. Seven (7) rear upper center and corner red LED marker lights.

Fourteen (14) TecNiq S21 LED clearance marker lights shall be installed on the ambulance. Seven (7) Amber clearance marker lights shall be installed on the front plane of the module, three (3) in the center and two (2) in the corners. Two (2) Amber ICC lights shall be installed on the side planes of the ambulance, one (1) on each side towards the front.

Seven (7) red clearance marker lights shall be installed on the rear plane of the module, three (3) in the center and two (2) in the corners. Two (2) red ICC lights shall be installed on the side planes of the ambulance, one (1) on each side towards the rear.

----- DO YOU COMPLY Y___N___

Marker Lights, Two (2) rear mid-height red LED

Two (2) rear mid-height red LED marker lights.

Two (2) TecNiq S21 LED red clearance marker lights shall be installed on the side planes, on the corner extrusion, just above the corner stainless steel guards.

----- DO YOU COMPLY Y___N___

Ground lighting under module and chassis

Ground lighting underneath the module (both sides and rear) and underneath chassis cab steps (both sides) There shall be a ground lighting underneath the module providing an extra wide area of illumination (120° x 50°) with waterproof LED lights that is immune to vibration. There shall be four (4) TecNiq E10 white LED lights mounted on brackets underneath the module. The lights shall turn on automatically when the vehicle is shifted into park. The lights may also be activated or disabled by a switch on the master control console.

----- DO YOU COMPLY Y___N___

EMERGENCY LIGHTING

Grill Lights Add On

Install 2 additional grill lights total of 4 red over white.

----- DO YOU COMPLY Y___N___

Lighting Front of Module

Change # 2 and #6 to red over white split LED program #2,3,4,6 to random up and down flash pattern.

----- DO YOU COMPLY Y___N___

Pioneer Model PCPSM2C

Install 1 Pioneer light on each side. With individual switches in front console.

----- DO YOU COMPLY Y___N___

Chrome bezels

All bezels shall be chrome.

----- DO YOU COMPLY Y___N___

Emergency Lights, Red (3), White (1), Red (3), LED

Seven (7) emergency lights installed on the front of the module. Includes three (3) red, one (1) white, and three (3) red. Whelen 900 series (7 x 9) LED lights. Seven (7) Whelen 900 series LED lights with chrome bezels

shall be installed on the front plane. The lighting shall include a mix of six (6) red and one (1) clear light. These lights shall flash in an alternating pattern where all red lights flash together first followed by the clear light.

----- DO YOU COMPLY Y___N___

Lights in Front Grille, Red (2), LED 500

Two (2) red lights in front grille. Whelen 500 series (5 x 1) LED lights.

Two (2) red Whelen 500 Series LED lights with chrome bezels shall be installed in the front grille. The grille lights shall not interfere with air flow into the chassis. These lights shall flash in a pattern programmed by the multiplexing electrical system.

----- DO YOU COMPLY Y___N___

Emergency Lights on Inside of Doors, One (1) each

One red emergency light on each compartment and entry door inside panel. Total of eight (8) round LED lights. One (1) Whelen 2'' Round series red LED with rubber flange shall be installed high on each door. Each light shall flash when the door is opened.

----- DO YOU COMPLY Y___N___

Intersection Lights, Clear/Red (2), LED

Two (2) clear/red intersection lights with turning priority. Whelen 700 series (7 x 3) LED lights.

Two Whelen 700 Series LED clear/red lights with bezels shall be installed on the fenders of the chassis. These lights shall be in a forward position to provide adequate visibility at an intersection. The clear portion shall be continuously lit when the turn signal is activated. These lights shall flash in a pattern programmed by the multiplexing electrical system.

----- DO YOU COMPLY Y___N___

Bezel fiberglass for intersection lights

Fiberglass bezel for intersection lights on cabin fenders

The vehicle shall have surface mounted fiberglass 15 deg bezel for intersection lights over cabin wings.

----- DO YOU COMPLY Y___N___

Emergency Lights, Red (2), LED, Inter. Side Mount

Two (2) red emergency lights, intermediate side mount. Whelen 700 series (7 x 3) LED lights.

Two (2) Whelen 700 series (7 X 3) LED red warning lights with chrome Bezels shall be installed on the side plane of the ambulance, one (1) on each side towards the center, above the fenderettes.

----- DO YOU COMPLY Y___N___

Four (4) red LED lateral emergency lights (900)

Four (4) red lateral emergency lights (two (2) on each side). Whelen 900 series (7 x 9) LED lights.

Four (4) Whelen 900 Series LED red warning lights with chrome bezels shall be installed on the side plane of the ambulance, two (2) on each side towards the corners. These lights shall flash in a pattern programmed by the multiplexing electrical system.

----- DO YOU COMPLY Y___N___

Scene Lights, Four (4), Clear LED, (900)

Four (4) lateral scene lights (two (2) on each side). Whelen 900 series (7 X 9) LED scene lights.

Four (4) Whelen 900 Series (7 X 9)LED scene lights with chrome bezels shall be installed on the side planes of the ambulance. The scene lights shall project at a downward angle to allow for adequate lighting of the area surrounding the sides of the ambulance. They shall be controlled independently for each side by a switch in the front console. The curbside scene lights shall also be activated when the side entry door is opened. This feature can be cancelled by pressing one (1) second on the door switch.

Three (3) position switch is not tolerated as the signal for the open door is cancelled when the switch is pulled in the third position, which could lead to a safety issue. Adding a second switch is also not tolerated as it adds unnecessary wiring and components.

----- DO YOU COMPLY Y___N___

Emergency Lights, Red (2), LED, Rear Corners

Two (2) red rear emergency lights at upper rear corners. Whelen 900 series (7 x 9) LED lights.
Two (2) Whelen 900 Series (7 X 9) LED red warning lights with chrome bezels shall be installed on the rear plane of the ambulance, one (1) in each corner. These lights shall flash in a pattern programmed by the multiplexing electrical system.

----- DO YOU COMPLY Y___N___

Emergency Lights, Amber (2), LED

Two (2) rear upper amber lights. Whelen 600 series (6 x 4) LED lights.
Two (2) Whelen 600 Series (6 X 4) LED amber warning lights with chrome bezels shall be installed above the rear doors. These lights shall flash in a pattern programmed by the multiplexing electrical system.

----- DO YOU COMPLY Y___N___

Loading Lights, Two (2), LED

Two (2) rear loading lights. Whelen 600 series (6 x 4) LED lights.
Two (2) Whelen 600 Series (6 X 4) LED load lights with chrome bezels shall be installed on the rear plane of the ambulance, above the rear doors. The load lights shall project at a downward angle to allow for adequate lighting of the area surrounding the rear of the ambulance. They shall be controlled by a switch in the front console. The lights shall also be activated when the rear entry door is opened. This feature can be cancelled by pressing one (1) second on the door switch.

Three (3) position switch is not tolerated as the signal for the open door is cancelled when the switch is pulled in the third position, which could lead to a safety issue. Adding a second switch is also not tolerated as it adds unnecessary wiring and components.

----- DO YOU COMPLY Y___N___

Emergency Lights, Red (2), LED, Additional Window Height

Two (2) additional red lights at window height. Whelen 900 series (7 x 9) LED lights.
Two (2) Whelen 900 Series (7 X 9) LED red warning lights with chrome bezels shall be installed on the rear plane of the ambulance, two (2) on each side of the doors, visible through the window when the door is opened. These lights shall flash in a pattern programmed by the multiplexing electrical system.

----- DO YOU COMPLY Y___N___

Rear Mid-level lights

Add a Blue and Amber 900 series light to the rear at window level below the reds. blue will be on the left and amber on the right.

----- DO YOU COMPLY Y___N___

Back-Up Alarm

Back up alarm (97dB) with override switch. (Included)
An (OSHA approved) back up alarm shall be installed with a disable control for silent backing. The disable control shall be located on the MCC (master control console). The backup alarm system shall automatically reset to the "on" mode when the transmission is taken out of reverse.

----- DO YOU COMPLY Y___N___

Whelen Howler Low Frequency Tone Siren

Whelen Howler is an add-on to any 100/200-watt siren amplifier. Uses low frequency tones to synchronize with the vehicle's primary siren tones. Includes low frequency siren amplifier and speakers. A Whelen Howler shall be concealed behind the front bumper of the chassis. They shall be securely mounted under the chassis.

----- DO YOU COMPLY Y___N___

Whelen 295SLS Hands-Free Siren

Whelen model 295HFSA1 siren amplifier with 17 Scan-Lock™ siren tones. The ambulances primary audible warning equipment shall be in the form of one (1) automotive traffic horn and one (1) Whelen 295HFSA1 multiple tone siren. This siren shall be easy for the driver to access as it shall be mounted in the front console.

----- DO YOU COMPLY Y___N___

Whelen SA315 Series Speakers

Whelen SA315 series speakers is a compact speaker meeting SAE Class A requirement when paired with Whelen 100-watt siren amplifier. Whelen low profile siren speakers shall be concealed behind the front bumper of the chassis or surface mounted and housed behind stainless box. They shall be securely mounted in an engineered housing to fit without modifying the chassis. This housing shall be designed not to restrict airflow or to reduce the effective of the siren speaker.

----- DO YOU COMPLY Y___N___

OEM exterior mirrors

The OEM exterior mirrors shall be installed.

----- DO YOU COMPLY Y___N___

Module Rub Rails, Aluminum

Aluminum rub rails on module sides. (Included)

Bright dip anodized aluminum "C" channel rub rails shall be installed on the lower sides of the body below the outside compartment sill areas. The rub rails shall be offset 3/16" from the body to facilitate wash down of road debris.

----- DO YOU COMPLY Y___N___

Module Corner Protectors, Stainless-Steel

Stainless-steel protectors on module corners.
There shall be stainless steel module corner protectors.

----- DO YOU COMPLY Y___N___

Module Wheel Trims, Fiberglass

Formed fiberglass wheel trimming on module.
There shall be formed fiberglass wheel trimming on module.

----- DO YOU COMPLY Y___N___

Undercoating Protection

Undercoating protection for module and chassis. (Included)
There shall be undercoating protection.

----- DO YOU COMPLY Y___N___

Rear Wheel Mud Guards

Mud guards on module for rear wheels. (Included)
There shall be rear wheel mud guards.

----- DO YOU COMPLY Y___N___

License Plate with Light

Recess in chrome bezel mounted license plate location with LED light.
There shall be a license plate holder with LED light.

----- DO YOU COMPLY Y___N___

Cab Steps, Anti-Skid Material with Mud Guards

Anti-skid lateral steps. Includes mud guards for front wheels.
Full length exterior running boards shall be installed on the chassis. They shall be constructed of a sure grip material no less than 7" wide with machine punched holes to facilitate water and debris runoff. Aluminum mud flaps shall be added to reinforce the running boards and prevent road debris intrusion. End plates are also installed to reinforce the rear section.

----- DO YOU COMPLY Y___N___

Rear Step Bumper, Retractable Center Section

Anti-skid rear retractable step. Diamond plate corner bumper. Rubber bumperette. (Included)
A full width rear step bumper with integrated flip up rear stepping surface shall be installed on the rear of the vehicle. It shall be constructed of a sure grip material no less than 9" wide with machine punched holes to facilitate water and debris runoff. Corners are made of aluminum diamond plate. A 3" rubber bumper is bolted on each corner to protect the bumper. The structure is to be bolted to the chassis for easy replacement and adjustment.

----- DO YOU COMPLY Y___N___

Valet Switch in Front Grille

The door unlock valet switch is located on the back of the front grille, on the driver's side half portion of the grille. It allows to unlock all doors of the vehicle but cannot lock the doors. (Included)
An exterior waterproof hidden door unlock switch shall be provided and installed in the front grill area.

----- DO YOU COMPLY Y___N___

Black Back-Up Camera

Zone Defense standard back-up camera with build-in audio support and infra-red night vision.
A color camera system connected to the cab display screen shall be installed, providing rear view monitoring to the rear exterior of the module. The camera shall be connected to the video input provided in the cab's screen. The viewing angle meets FMVSS 111 field of view requirements. A built-in audio support shall be integrated so you can hear what is happening around the camera. This Infra-red camera provides driver with night vision. The camera image shall automatically be displayed on the monitor when the vehicle is placed in reverse. The monitor

shall resume normal operation when the vehicle is taken out of reverse.

----- DO YOU COMPLY Y___N___

Black Dome Interior Camera

Zone Defense dome interior camera with build-in audio support and 120 degree viewing angle. The ambulance shall have a patient compartment camera. It shall be displayed in the same screen as back-up camera. It shall be activated when the ambulance module is powered unless the vehicle is put in reverse.

----- DO YOU COMPLY Y___N___

Anti-Theft System

The anti-theft allows to leave the vehicle with the keys with the engine running to keep the vehicle at the ideal operating temperature. It protects against theft by running off the engine if the vehicle moves. (Included) Provides a method to remove the keys while the ambulance is running, and automatically shutting down the engine if any attempt is made to put the vehicle into gear without reinserting the key.

----- DO YOU COMPLY Y___N___

ECOSMART Anti-Idling System

The ECOSMART Anti-Idling System automatically stops the engine and restarts the engine of the vehicle in idling conditions. The ECOSMART Anti-Idling System is managed by the Electronic Multiplex System (DEMS). There shall be a fully integrated anti idle system installed in the ambulance. The system shall be fully automated and shall not require interaction by the end user. The smart system shall monitor voltage and temperature within the patient module. This system shall automatically shut the engine off while allowing all user functions to be maintained while in "park" mode. The system will automatically restart the unit, if either the voltage shall drop or there is a set temperature change in the patient module. Prior to shut down or start up the system will alert the operator that the system is entering smart mode. The system shall be capable of providing significant fuel reduction by preventing long idle times. This system shall also assist in decreasing service intervals, based on reducing engine hours life be reducing significant idle times.

----- DO YOU COMPLY Y___N___

Customized Kickplate

Customized rear module kick plate, specify text or logo and background color. Details are as follows: Paramedics

A customized rear module kick plate shall be installed. The name must be cut out of the aluminum piece and a colored background added.

----- DO YOU COMPLY Y___N___

Tri-Star Urethane Paint

Two (2) coats of primer with two (2) coats of urethane. All four (4) sides and roof. No sanding. No buffing. All exposed metal surfaces that are not plated or stainless steel shall be cleaned and prepared and shall be painted or coated. The paint or coating, including any primer, shall be applied in accordance with the manufacturer's recommendation. The paint used shall be from Tristar, a high built polyurethane surface over epoxy primer application using one (1) acid stabilizing treatment. This paint is preferred by the purchaser as it has a durable lifespan, is resilient to harsh climates and remains pliable even in its hardened state to prevent cracking and chipping from normal ambulance body torsion.

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

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

Impact Resistance: No flaking or cracking when subjected to 40 inch pounds direct impact or a 40 inch pounds reverse impact.

Hardness: Pencil Hardness 2H minimum.

Fuel Resistance: Withstands immersion of Jet A1 Fuel for 14 days at ambient temperatures without showing any defects. After a 24-hour recovery period, the primer regains its pretest hardness.

Lubricating Oil Resistance: Withstands immersion in lubricating oil at 25° C for 14 days without showing any softening, blistering, or loss of adhesion.

Hydraulic Fluid Resistance: Withstands immersion in Skydrol hydraulic fluid without showing any defects for 30 days.

Salt Spray Resistance: With a scribed film at an angle of 6°, it exhibits no blistering, lifting of the primer, or substrate corrosion after exposure to 5% salt spray following ASTM B117 on treated aluminum substrate 3000 hours.

Water Resistance: No blistering or loss of adhesion after 14 hours immersion in distilled water at ambient temperature. Will regain its pretest hardness after a recovery period of 24 hours.

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

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

The surfaces shall be sanded smooth. All sand and dust shall be removed with air when sanding is complete and rewashing with PPG DX-440.

A pre-treatment shall be used for better adhesion. This pre-treatment is a phosphoric acid base, non-flammable and specifically designed for aluminum substrate. The process of using a non-flammable phosphoric acid involves removing any surface contaminants, then chemically preparing a clean surface. This process increases the overall surface area, promote adhesion, enhanced corrosion and blister resistance.

A two (2) stage epoxy primer layering process shall be applied to the module and all painted components. This primer stage is critical to the adhesion of the paint and shall be necessary to the paint process. A 1.5 mil of Starprox primer application shall be used. After adequate drying time, a second layer of the Starprox primer shall be applied. When completed, the finished primer layer shall be two (2) layers thick and shall be sanded smooth to a surface grade of 9 or 10. If during the sanding process the primer is partially removed and the aluminum is no longer covered by the primer layer, a primer layer must be added in the exposed area. This application allows for superior adhesion to the module body.

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

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

----- DO YOU COMPLY Y___N___
Painted Steel Wheels

Paint steel wheels black.

----- DO YOU COMPLY Y___N___

Graphics Package

Please provide the graphics package to match Current Graphics and lettering with Star of Life package. Chevrons on entire back of box.

----- DO YOU COMPLY Y___N___
Yellow Flip Up Rear Step.

Install yellow flip up rear step.

----- DO YOU COMPLY Y___N___

Floor-Mounted Console with Control

A powder-coated aluminum floor mounted console shall be installed on the floor of the cab between the driver's and passenger's seats. The console shall include an angled face to accommodate all controls and switches to operate all necessary emergency or mission critical functions. The lower portion of the console shall consist of a flat area that shall contain cup holders and blanks for additional equipment. The console face plates shall be removable for accessibility and serviceability. The Console System is to be SAE J3043 Ambulance Equipment Mount Device or Systems compliant.

----- DO YOU COMPLY Y___N___

Armrests, Driver and Passenger, Individual

Individual driver- and passenger-side armrests on sides of floor-mounted console.
Individual driver- and passenger-side armrests with adjustable height shall be installed on sides of floor-mounted console.

----- DO YOU COMPLY Y___N___

Cup Holders, Dual, in Floor-Mounted Console

Dual cup holders in floor-mounted console.
A dual cup holders shall be integrated in floor-mounted console.

----- DO YOU COMPLY Y___N___

Control Center with Switches and Touch Pad

Control center with switches and LED backlit pictograms in the floor mounted console.
The operator shall have easy access to ambulance features and controls on the floor mount console. The control center shall include switches and touch pad to control the necessary emergency or mission critical functions. The switches shall be wired to a multiplex node located in the front console. Wiring directly to the electrical panel will not be tolerated as it adds unnecessary wires and connections. The master switch shall be lockable in the "ON" position to ensure that the power shall not be inadvertently cut.

----- DO YOU COMPLY Y___N___

Cab Headliner with Reading Lights, Red/Clear (2)

Two (2) clear and red overhead LED reading lights.
A red/clear LED reading lamp shall be installed above the passenger and driver to assist in nighttime vision. This light shall be installed in the cab headliner and shall be switched from the light head.

----- DO YOU COMPLY Y___N___

Three (3) glove box holders above C2 door window
Three (3) glove box holders above window on side entry door.
There shall be three (3) glove box holders in stainless steel above the window on side entry door.

----- DO YOU COMPLY Y___N___

Front Curbside Cabinet with Squad Bench.

Front curbside cabinet with 2 seat position squad bench. Two drawers facing seat. Pull-out tray facing seat.
A squad bench capable of seating two (2) attendants shall be located on the curbside of the vehicle. To maintain structural integrity and maximize weight and storage, the squad bench shall be made of .090 aluminum pieces welded together. The belts will be located on a main frame with reinforcement plates strong enough to resist to

required pull tests. The squad bench shall be attached to the side wall structure as well as to the roll up floor extrusion and to the floor.

An aluminum cabinet shall be installed towards the front of the squad bench seat area. It shall include a flip out trash, two (2) drawers and one (1) writing panel. The top of that cabinet shall be a working area or the location to mount the patient cardiac monitor.

Access to the storage area under the squad bench shall be via a positive closing latching system on the squad bench lid and face. When the latch is released, the bench shall automatically raise open via the compressed gas struts attached to the squad bench lid and to the bottom of the squad bench storage area. The bottom of the storage area shall be cover with a single piece of covering matching the one (1) in the patient compartment.

----- DO YOU COMPLY Y___N___

Safety Net

Safety net at the head of the curbside configuration, by the side entry door (C2).

A woven nylon seatbelt style safety net shall be installed towards the front of the squad bench area to serve as an additional safety barrier. The net shall be secured to the ceiling, the floor and the curbside wall of the module. Each attachment point shall be bolted to a reinforcement structure strong enough to meet required testing. The net shall be interwoven and designed to decrease the force of an object when the vehicle comes to an abrupt halt.

----- DO YOU COMPLY Y___N___

Full-Length Seat Cushion

Full-length, thermoformed, molded seat cushion.

One (1) full length seamless thermoformed seat cushion shall be installed and have no exposed stitching. The color of these cushions and backrests shall match the interior vinyl cushions.

----- DO YOU COMPLY Y___N___

Seat Backrest

Individual, thermoformed, molded backrests.

High bucket seamless thermoformed backrest cushions shall be fixed on the wall for each seating position. The backrests shall be contoured and include lumbar support for comfort and fatigue resistance. The color of these cushions and backrests shall match the interior vinyl cushions.

----- DO YOU COMPLY Y___N___

Seating, Three (3) Passengers, 6-Pt Safety Belts

Seating for three (3) passengers with 6-point safety belts. Space for Flip-down and hands-free opening mechanism.

A squad bench capable of seating three (3) attendants shall be located on the curbside of the vehicle. To maintain structural integrity and maximize weight and storage, the squad bench shall be made of .090 aluminum pieces welded together. The belts will be located on a main frame with reinforcement plates strong enough to resist to required pull tests. The squad bench shall be attached to the side wall structure as well as to the roll up floor extrusion and to the floor.

Access to the storage area under the squad bench shall be via a positive closing latching system on the squad bench lid and face. When the latch is released, the bench shall automatically raise open via the compressed gas struts attached to the squad bench lid and to the bottom of the squad bench storage area. The bottom of the storage area shall be cover with a single piece of covering matching the one (1) in the patient compartment.

Three sets of 6-point safety belts shall be located on the back of the squad bench permanently bolted through 1/2" plates. Holes shall be tapped to allow for seat belt removable after the squad bench is installed in the vehicle.

----- DO YOU COMPLY Y___N___

Curbside Drawers

Curbside drawers to be 3" height

----- DO YOU COMPLY Y___N___

C3 Add on Cabinet

Add in/out access door (facing cot) to adjustable shelves inside C3 compartment, above Knox Medvault (Original): Add 1 cabinet with in / out access into C#3

----- DO YOU COMPLY Y___N___

Sharps and Waste Curbside

Cabinet selected in the configurator. Pricing here for converting the tilt-out to a drawer and IV pole. Drawers and Technimount in another SR. Sharps and waste will be a pull-out drawer below front workstation forward of bench.

----- DO YOU COMPLY Y___N___

Bottom and pull out toward aisle counter with Technimount base IV Pole above counter on curb wall add 2 drawers

----- DO YOU COMPLY Y___N___

Flip-Up Door, Tinted Self Latching Sliding Windows

Aluminum flip-up frames, self-latching for easy restocking of cabinets. Polycarbonate tinted self-latching sliding windows. Flip up style restocking cabinets shall be installed on all the street side cabinets. Restocking cabinet shall be constructed of interlocking extrusions, smaller than cabinet structure extrusion but of matching style, color, and material. A piano style hinge shall be securely fastened to the top of the cabinet structure. Two (2) gas struts, one (1) on each side, shall be installed on the side of the cabinet to lift the cabinet's face when the two elbow latches are released. The bottom lip of the cavity shall have a door stopper on which a PVC coating is applied to eliminate vibrations of the flip up. The window itself shall be outfitted with slots at the extremities in which a UHMW skate shall be inserted to retain the window in the extrusion structure. Cabinets with sliding

windows shall have window track felt installed in the dedicated channels of the cabinet extrusion.

The cabinet windows shall be made of 3/16” polycarbonate tinted sliding windows and shall incorporate a full-length aluminum handle. The window itself shall be outfitted with slots at the extremities to which a UHMW skate shall be inserted to retain the window in the extrusion structure.

The compartment and closure device of the doors must meet KKK-A-1822F Change Notice 10 compliant to meet: SAE J3058 - Ambulance Interior Storage Compartment Integrity. The SAE J3058 explains dynamic and static testing procedures for evaluating the integrity of the cabinet and cabinet latch integrity standard, which will ensure cabinets retain rated equipment up to 40lbs.

----- DO YOU COMPLY Y___N___

Technimount Cardiac Monitor Base

There shall be a Technimount cardiac Monitor Base.

----- DO YOU COMPLY Y___N___

Medical Cabinet, CPR Bench Seat, Without Access

Medical cabinet with CPR bench seat, the rear lower location is blank to provide extra S3 exterior compartment space.

All cabinet structure, cabinet doors, shelves and openings described here shall be manufactured in fiberglass or aluminum. Over time, wood products tend to warp, distort and shrink creating potential for premature structural wear. The purchaser prefers fiberglass and aluminum construction for its resiliency to harsh environments and cleaners as well as its lightweight size and overall strength.

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

Unless specified for a particular purpose, all interior cabinets shall be constructed of preformed fiberglass inserts. Cabinets designed for a particular purpose may be constructed of formed aluminum depending on the application. All cabinets shall be equipped to accept removable adjustable shelves with dividers. All cabinets shall be easy to clean, impervious to soap, water, body fluids, and disinfectants and shall be mildew resistant. Cabinets with sliding windows shall have window track felt installed in the dedicated channels of the cabinet extrusion.

The cabinet windows shall be made of 3/16” Lexan and shall incorporate a full-length aluminum handle. The window itself shall be outfitted with slots at the extremities to which a UHMW skate shall be inserted to retain the window in the extrusion structure.

The compartment and closure device of the doors must meet KKK-A-1822F Change Notice 10 compliant to

meet: SAE J3058 - Ambulance Interior Storage Compartment Integrity. The SAE J3058 explains dynamic and static testing procedures for evaluating the integrity of the cabinet and cabinet latch integrity standard, which will ensure cabinets retain rated equipment up to 40 lbs.

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

A CPR seat shall be located on the street side wall. This seat shall be positioned at the patient’s torso position. The CPR seat shall be at least 32” wide with a two (2) point safety belt and include a thermoformed bottom seat cushion as well as a thermoformed high bucket style back rest. This backrest shall be contoured and include lumbar support for comfort and fatigue resistance.

A large storage cabinet shall be located above the action area and shall continue from the bulkhead cabinetry to the CPR seat. The interior dimensions shall be a minimum of (L) 41 x (H) 16 x (D) 11 in.

A large storage cabinet shall be in the upper section towards the rear. This cabinet shall extend from the CPR seat to rear door area. The interior dimensions shall be a minimum of (L) 42 x (H) 16 x (D) 16 in. There shall be a full cardiac monitor location at the rear action area. An aluminum panel covers what normally would be a cabinet but is removed to make place for a full-height S3 compartment that is selected shall be installed under the upper rear street side cabinet.

There shall be two (2) pull out drawers below the action area. These drawers shall pull out toward the isle way and incorporate a sliding Lexan cover. Drawers shall be constructed of formed smooth powder coated .063” aluminum. These drawers shall be uniform in size for ease of replacement should the need arise. The drawer should be track mounted and have a self-locking stop to prevent opening past a safe designated point. All drawer faces shall be constructed in an overlapping style to ensure a consistent tight fit over the drawer opening. Handles for the drawer shall be positive catch stainless steel pull latch.

Drawing should reflect exact layout.

----- DO YOU COMPLY Y___N___

Storage Cabinet with LED Strip Lighting

Provide led strip lighting in interior cabinets

----- DO YOU COMPLY Y___N___

CPR Seat, 6-Pt Safety Belt Seating for one EMT with 6-point safety belt.

A CPR seat shall be located on the street side wall. This seat shall be positioned at the patient’s torso position. The CPR seat shall be at least 32” wide with a six (6) point safety belt and include a thermoformed bottom seat cushion as well as a thermoformed high bucket style back rest. This backrest shall be contoured and include lumbar support for comfort and fatigue resistance.

----- DO YOU COMPLY Y___N___

Interior Dividers

Add Dividers to all shelves inside on street side of vehicle.

----- DO YOU COMPLY Y___N___

Add Cabinet Street Side

Add cabinet to extend front Action area remove counter rear of CPR seat and add 2 drawers to forward of CPR seat.

----- DO YOU COMPLY Y___N___

Reinforce Cabinet

Reinforce street side cabinet wall below counter for computer mounting bracket. bracket to be determined.

----- DO YOU COMPLY Y___N___

Action Area Configuration

Move suction canister rearward on ECC wall; relocate Oxygen Outlets forward.

----- DO YOU COMPLY Y___N___

Knox Med Vault

Install Knox med vault with Wi-Fi inside C-3 with door facing squad bench.

----- DO YOU COMPLY Y___N___

Sliding Window Pass-Through

Pass-through sliding window on front division for communication with cab. The ambulance shall be equipped with a bulkhead wall partition. It shall be placed between the driver and patient’s compartment, to the front of module. It shall be constructed of aluminum. A sliding window shall be installed to separate the cab and patient compartment. The window shall be centered between the driver and passenger seats. The window shall be at least 150 in2. Fixed or hinged windows in this area will not be accepted. Vinyl protectors will be added in the upper section to provide head protection.

----- DO YOU COMPLY Y___N___

Corner Cabinet, Streetside, Two Adjustable Shelves

Corner cabinet on streetside of front wall. Includes two (2) aluminum extruded doors with see through windows, two (2) adjustable shelves and LED strip lighting. There shall be a compartment behind the head seat. This compartment shall be accessible by two (2) aluminum extruded doors with see through windows, two (2) adjustable shelves and shall include LED strip lighting.

The compartment and closure device of the doors must meet KKK-A-1822F Change Notice 10 compliant to meet: SAE J3058 - Ambulance Interior Storage Compartment Integrity. The SAE J3058 explains dynamic and static testing procedures for evaluating the integrity of the cabinet and cabinet latch integrity standard, which will ensure cabinets retain equipment using established crash pulses.

----- DO YOU COMPLY Y___N___

Locking Radio Communication Compartment

Lockable compartment on street side for radio communication

A lockable compartment for radio communication shall be installed in an upper portion of the front partition.

----- DO YOU COMPLY Y___N___

ALS Cabinet, Without Drawer

ALS cabinet on curbside of front wall. Includes four (4) aluminum extruded doors with see-through windows, adjustable shelve(s), one (1) fixed shelf at mid-height, LED strip lighting, and inside/outside access via curbside door.

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

The upper section shall be accessed via two (2) extruded aluminum doors with Lexan inserts. The doors shall be operated by a cam sliding system in which sliding the knob will release the two (2) plunger bolts located at the top and bottom side of the door. The whole mechanism is to be protected by an aluminum cover on the inside of the door. Section dimensions shall be like 26 X 26 in. This section of the ALS cabinet shall have one (1) adjustable shelf, LED strip lighting and shall be accessible via the curbside door.

The lower section shall be accessed via two (2) extruded aluminum doors with Lexan inserts. The doors shall be operated by a cam sliding system in which sliding the knob will release the two (2) plunger bolts located at the top and bottom side of the door. The whole mechanism is to be protected by an aluminum cover on the inside of the door. Section dimensions shall be like 26 X 26 in. This section of the ALS cabinet shall have one (1) adjustable shelf, LED strip lighting and shall be accessible via the curbside door.

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

----- DO YOU COMPLY Y___N___

Mermaid Refrigerated Compartment, above ALS

Mermaid refrigerated compartment located above the ALS cabinet.

A 12-volt Mermaid Medi-Kool "MK67" SS (D-Small) temperature-controlled drug storage unit shall be installed in the upper front wall. Unit shall be computer-controlled climate device which regulates the inside temperature and stores/records pertinent data, shall have capability to cool and heat cabinet to set temperature. The control panel shall be in the main action area. The drug storage unit shall be constructed of polished stainless steel and aluminum with a stainless-steel lock. The compressor shall be located on the back or side of the unit, using R134-a refrigerant. The Inside dimensions: 23 1/4" Wide x 14 1/2" Deep x 3 1/2" High.

----- DO YOU COMPLY Y___N___

See-Through Door, Two Handles

Four (4) extruded doors with see through windows and handles

There shall be four (4) extruded doors with see through windows and handles.

----- DO YOU COMPLY Y___N___

Roll-up Door for ALS Bulkhead, Curbside Bulkhead Roll-up Door

The ALS cabinet shall be made of an aluminum structure wall and shall have a ROM roll-up door. The door shall be made of individual aluminum slats with end shoes that are swaged/dimpled into the slat, not riveted, to allow easy slat replacement.

----- DO YOU COMPLY Y___N___

Storage Below Pass-through

Full length cabinet between ALS and streetside medical cabinet (must delete 45 degrees cabinet). Add storage cabinet with countertop to 3rd Technimount base, with drop in storage for 2 D size portable O2 cylinders.

----- DO YOU COMPLY Y___N___

Front Wall Cabinet

Full length cabinet between ALS and streetside medical cabinet (no 45 degrees cabinet) (Original): Add a cabinet with sliding door above the sliding pass thru

----- DO YOU COMPLY Y___N___

EVS Swivel Seat Base, Eight (8) Positions

EVS swivel 360 degrees seat base, locking in eight (8) positions at 45-degree increments. The seat shall be equipped with a swivel 360 degrees seat base, locking in eight (8) positions, forward and rearward positions. The seat and the base shall be KKK-1822-F change notice 8 compliant.

----- DO YOU COMPLY Y___N___

EVS 1880 3Pts Vac-Formed Seamless Seat with Built in Child Seat

The EVS 1780 is a vac-form, seamless attendant's seat. A rear facing EVS HiBAC attendant seat shall be installed at the head of the patient cot. The seat shall be a vac-form with a built-in fold down child restraint

The seat shall be KKK-A-1822F Change Notice 8 compliant with seat belt and conform to all applicable FMVSS and SAE J3026 requirements. Documentation from a certified independent testing facility shall be required stating the seat has passed SAE J3026 requirements and tested in accordance with SAE J2917, Occupant Restraint and Equipment Mounting Integrity – Frontal Impact System-Level Ambulance Patient Compartment and SAE J2956, Occupant Restraint and Equipment Mounting Integrity – Side Impact System-Level Ambulance Patient Compartment.

----- DO YOU COMPLY Y___N___

Stryker Power-LOAD Powered Cot Fastener

A Stryker Power-LOAD, Cot fastener system shall be installed on the module floor to accommodate a Stryker cot. It shall be center mounted and loaded through the rear doorway. The floor structure shall have 1/2" 6061-T6 mounting plates installed to secure the cot floor mounting plate. Backer plates that are not integral to the floor structure shall not be permitted.

----- DO YOU COMPLY Y___N___

Center Floor Mount Cot Configuration

A Stryker crash tested; single-position cot fastener shall be installed on the module floor to accommodate a Stryker series cot. The floor structure shall have 1/2” 6061-T6 mounting plates installed to secure the cot floor mounting plate. Backer plates that are not integral to the floor structure shall not be permitted as these may have a tendency to vibrate loose over time.

----- DO YOU COMPLY Y___N___

Rocker Switch Controls with LED Backlit Pictograms

Auxiliary Rocker switch controls with LED backlit pictograms.
There shall be an auxiliary console on the curb side wall. It shall be a mix of a touch pad and switches and control emergency or mission critical functions such as:

- Rear heat and AC controls with digital interior temperature display
- Patient compartment lights, banks 1, 2
- Suction pump (when equipped with dual suction pumps)
- Patient compartment exhaust
- Patient status indicator (intercodes, red, yellow, green)

The detail above describes the minimum features the auxiliary console shall activate. All switches shall be wired to a multiplex node located in the auxiliary console. Wiring directly to the electrical panel will not be tolerated as it adds unnecessary wires.

----- DO YOU COMPLY Y___N___

Rocker Switch Controls with LED Backlit Pictograms

The completed ambulance shall have a rear action area console. It shall include all controls and switches to operate all necessary emergency or mission critical functions such as:

- Rear heat and AC controls with digital interior temperature display
- Patient compartment lights, bank 1
- Patient compartment lights, bank 2
- Action area reading light
- Cabinet lights
- Suction pump
- Patient compartment exhaust
- Patient status indicator (intercodes, red, yellow, green)

Switches shall be easily cleaned and sanitized.
The detail above describes the minimum features the rear console shall activate. All switches shall be wired to a multiplex node located in the rear console. Wiring directly to the electrical panel will not be tolerated as it adds unnecessary wires.

----- DO YOU COMPLY Y___N___

Flowmeter, 0-25 LPM

Flowmeter, 0-25 LPM.

There shall be a flowmeter, 0-25 LPM.

----- DO YOU COMPLY Y___N___

Oxygen Outlets, Four (4)

Four (4) oxygen outlets. Two (2) in ECC, one (1) on curbside, and one (1) on the ceiling. The completed ambulance shall have a piped medical oxygen system capable of storing and supplying a minimum of 3,000 liters of medical oxygen. The main oxygen supply shall be from a compressed gas cylinder that the purchaser will provide and install at the time the vehicle is placed in service. Low pressure, electrically conductive hose and fittings approved for medical oxygen only shall be used. All oxygen piping shall be concealed, loomed, and not exposed. Where oxygen lines may travel through a hole, a grommet shall be used to prevent premature wear of the oxygen line. All oxygen tubing shall be secured yet shall be still accessible for maintenance. Oxygen shall be piped to self-sealing oxygen outlets. The system shall be tested prior to delivery and the results of the test shall be provided with the end user documentation.

Four (4) Quick Connect surface mounted oxygen outlets shall be installed in the completed ambulance. Two (2) shall be installed on the medical center wall in the main action area, one (1) shall be located on the curbside wall towards the forward end of the squad bench and one (1) shall be located on the ceiling. These outlets shall be tested prior to delivery of the ambulance.

----- DO YOU COMPLY Y___N___

Oxygen Outlet, Quick-Connect

Quick-connect style oxygen outlet.

Ohio Medical flush mounted; quick release wall outlets shall be installed.

----- DO YOU COMPLY Y___N___

Oxygen Regulator, Manual, Sensor and Dig. Read-Out

Manual oxygen regulator with pressure sensor and digital read-out.

The ambulance shall have a 50 PSI oxygen regulator with a pressure sensor. The remaining tank pressure shall be displayed in the rear touch pad or touch screen.

----- DO YOU COMPLY Y___N___

Oxygen Control Valve, Electronic, Manual By-Pass

Electronic oxygen control valve with manual by-pass.

The ambulance shall have an electronic control valve with manual by-pass. It shall be located in the rear console and shall be activated with the master switch.

----- DO YOU COMPLY Y___N___

Universal Vertical Holder for Main Oxygen Cylinder

Universal vertical holder for types "K" or "M" main oxygen cylinder in S1 streetside exterior compartment.

A Ziamatic QR-MV oxygen cylinder bracket shall be installed in the oxygen compartment to accommodate different sizes of oxygen cylinders. This bracket shall be securely fastened to reinforcement mounting plates.

----- DO YOU COMPLY Y___N___

Dual Tank Oxygen System

2 brackets, 2 regulators 2 complete systems 2 by pass valves. 2 controls for tank 1 and 2

----- DO YOU COMPLY Y___N___

Suction System Location in ECC

Main suction system is in front streetside action area. One (1) RICO RS4 electrically controlled suction system shall be installed in the patient compartment. The suction pump shall be located behind the street side cabinetry and be easily accessible for maintenance. It shall be securely mounted with rubber pads to eliminate any unnecessary noise. A vacuum indicator gauge ranging from 0 to 760 mm Hg shall be provided.

----- DO YOU COMPLY Y___N___

Thomas High-flow Vacuum Pump

There shall be an aspirator system that provide a free air flow of at least 50 LPM and achieve a minimum of 300 mmHg vacuum within four (4) seconds after the suction tube is closed.

----- DO YOU COMPLY Y___N___

Vacuum Outlet QD in Action Area

The outlet shall be QD Puritan with yellow 5/16" hose (4 ft). There shall be installed on the action area wall with the control in the rear switch panel.

----- DO YOU COMPLY Y___N___

Vacuum Regulator with Disposable Canister

One (1) RICO RS4 electrically controlled suction system shall be installed in the patient compartment. The outlet shall be on the action area wall with the control in the rear switch panel. The suction pump shall be located behind the street side cabinetry and be easily accessible for maintenance. It shall be securely mounted with rubber pads to eliminate any unnecessary noise. A vacuum indicator gauge ranging from 0 to 760 mm Hg shall be provided.

----- DO YOU COMPLY Y___N___

Power Inverter, Xantrex Freedom, True Sine, 1000W

The inverter/charger provides AC power using the DC power from the conversion battery bank. Recharge all battery banks and power all 120 volts AC outlets when the external shoreline is connected. A Xantrex Freedom CX power inverter rated for 1000 watts shall be installed in the patient compartment, behind the street side cabinetry, in a ventilated storage area. The inverter shall be powered via a control panel in the rear attendant console. When this inverter is activated, all 110VAC outlets shall be energized. An inverter integrated battery charger shall be provided for maintaining, in conjunction with the multiplex isolator and the shoreline, OEM and conversion batteries in a fully charged condition when the shoreline is plugged.

----- DO YOU COMPLY Y___N___

Super Auto Eject Power Inlet, 20 Amps, Yellow

Kusmaull 120 Volts AC, 20 Amps Automatically disconnects shoreline Completely sealed yellow cover Indicator light

A Kussmaul Super 20 Auto Eject Model # 091-55-20-120, 3-pin 20-amp 120-volt pin and sleeve contact shore power assembly, cover, and plug shall be installed. The 12 volts unit shall eject the shore power cord away from vehicle path upon sensing engine start, after ejection, the weatherproof cover snaps into position over inlet. The unit shall have a waterproof sculpted cover with no sharp edges and back enclosure with watertight cable fittings, which protect mechanism from road contamination. The unit shall sequence energizing of the Auto Eject, eliminating terminal arching when connecting and disconnecting power cord.

----- DO YOU COMPLY Y___N___

Electrical Outlet, 120V AC with Indicator

120VAC outlets shall be energized from the shoreline and/or from the inverter if equipped. All 120VAC outlets shall be UL certified, Nema 5-15, clearly identified on the unit, rated to 60Hz, and have a pilot light when powered. A 120VAC GFCI shall be installed beyond the shoreline and shall disable all 110VAC outlets when tripped. The GFCI shall be in the rear attendant console for ease of consulting and/or resetting if needed.

----- DO YOU COMPLY Y___N___

Additional 120V AC Duplex Outlets with Indicator

Details and location are as follows:

1- lower portion of ALS cabinet front wall, 1-cabinet above pass thru window. Additional 120VAC GFCI shall be installed at a specific location to be determined. 120VAC outlets shall be energized from the shoreline and/or from the inverter if equipped. All 120VAC outlets shall be UL certified, Nema 5-15, clearly identified on the unit, rated to 60Hz, and have a pilot light when powered.

----- DO YOU COMPLY Y___N___

AC Delco Conversion Batteries

Two (2) ACDelco conversion Batteries. (Included)

Two (2) ACDelco batteries shall be installed in addition to the OEM battery(ies). The OEM battery(ies) shall not be relocated from their original position(s) while the additional conversion batteries shall be in a ventilated drawer under the ALS compartment. A programmable multiplex battery isolator shall be installed to separate the chassis battery(ies) from the patient compartment batteries. It shall monitor battery voltage and allow for OEM battery boost by the conversion batteries and full OEM battery charging via the shoreline. The different voltage limits will be programmable. A system comprised of an isolator, boost solenoid and trickle charger shall not be acceptable as this requires more components, cables, and connections.

----- DO YOU COMPLY Y___N___

Electrical Outlet, 12V DC 20 amp with Indicator 12V DC, 20 amp Duplex electrical outlets. (Included) All 12VDC power point outlets specified here shall be properly tested and shall be protected with a Schottky-style diode to isolate the medical equipment batteries from other loads. The diode shall be in the electrical panel and shall be wired to the conversion batteries. It shall be designed to handle voltage of at least 48VDC. All wiring to

the 12VDC outlets shall be clearly labeled and shall be one (1) continuous run from the diode to the outlet.

----- DO YOU COMPLY Y___N___

Add 12V DC Outlet with Indicator

Additional 12V DC outlet with indicator. Details and location are as follows: 1. lower portion of ALS cabinet front wall

1. Cabinet above pass thru window. Additional 12VDC power point outlets specified here shall be properly tested and shall be protected with a Schottky-style diode to isolate the medical equipment batteries from other loads. The diode shall be in the electrical panel and shall be wired to the conversion batteries. It shall be designed to handle voltage of at least 48VDC. All wiring to the 12VDC outlets shall be clearly labeled and shall be one (1) continuous run from the diode to the outlet.

----- DO YOU COMPLY Y___N___

Dual USB DC outlet with indicator

Additional dual USB DC outlet with indicator. Details and location are as follows: 1. rear action area / street side 1. passenger side of Front Center console in cab Additional Dual USB outlet specified here with protective cap shall be installed A13-194B2: 5V 2.4A+2.4A max DC, 2 ports.

----- DO YOU COMPLY Y___N___

Multiplex Electronic Management System

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

The ambulance manufacturer shall have significant experience in installing multiplex and electrical systems. The purchaser is not interested in prototypical or logical systems that are untested or unproven by the ambulance manufacturer. The multiplex system specified here shall be fully developed, tested, in service for at least 15 years and shall be installed on at least 9000 units. Documentation of electrical systems installed, and in-service shall be provided at the purchaser's request.

Electronic Controller Units (ECU)

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

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

Electronic controller units shall be programmed using already established automotive communication language. Electronic controller units shall be programmed to communicate and receive signals in the SAE J1939 protocol via the CAN BUS connection. This type of system is preferred to allow for future expansion and. No auxiliary printed circuit boards, circuit breakers or relays shall be needed in future expansion or to assist in the functionality of standard electrical components.

Serviceability

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

Wiring

All wiring for the electrical systems 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. Voltage drops in all wiring from the power source to the component shall not exceed 10 percent. All circuits shall be wired in conformance with SAE J1292, Automobile, Truck, Truck-Tractor, Trailer, and Motor Coach Wiring. None of the ambulances electrical wiring and components shall terminate or originate in the oxygen storage compartment except for the oxygen flow control solenoid, compartment light, and switch plunger or trigger device.

Wiring Harness

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

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

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

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

Wiring Identification

All wiring shall be identified every 6" at a minimum. The wiring identification code shall be the position on the

electronic controller unit for easy maintenance and diagnosis. Wiring identification shall be clearly visible and shall be printed on the insulated wire. No stickers will be allowed.

----- DO YOU COMPLY Y___N___

Circuit Protection

Circuits shall be provided with properly rated low voltage overcurrent protective devices. Such devices shall be readily accessible and protected against heat in excess of the overcurrent device’s design range, mechanical damage, and water spray. Circuit protection shall be accomplished by utilizing fuses, circuit breakers, fusible links, or solid-state equivalent devices.

----- DO YOU COMPLY Y___N___

Wiring Schematics

The complete set of wiring schematics shall clearly identify all wiring locations, routing, and component connection. A sample document shall be available to the purchaser on request to examine the quality of the electrical schematic. All instances of wiring not conforming to the standards established in this document shall be documented at the time of the proposal. Failure to comply with this requirement shall be cause for rejection of the proposal.

----- DO YOU COMPLY Y___N___

Electric Panel

The electrical panel shall be protected by a removable panel or a compartment door. It shall include in addition to the ECUs all block fuses and other electronic devices. For future upgradability, one (1) extra 15-amp 12VDC circuit breaker shall be provided. It shall be wired and shall be ready for a future programmable function with the multiplexing electrical system.

----- DO YOU COMPLY Y___N___

Grounding

Dedicated grounding locations for all appliances, circuits, etc. shall be supplied. Appliance mounting screws/hardware shall not be used for grounding purposes, nor shall the body of the ambulance be used as a ground location. Star washers or unapproved, untested grounding methods shall not be used. OEM grounds shall not be used as grounding location for the conversion circuits.

----- DO YOU COMPLY Y___N___

Switching Requirements

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

----- DO YOU COMPLY Y___N___

Voltage Alarm

The multiplex system shall incorporate an audible voltage warning should the system voltage at the battery or at the master load disconnect switch drops below 11.8VDC for a duration of 120 seconds for 12VDC nominal systems.

----- DO YOU COMPLY Y___N___

Load Management

The multiplexing electrical system shall be programmed to automatically shed electrical load should the electrical output rating of the installed alternator drop below a programmed voltage level. Electrical components shall shed in order of priority. External load management systems or load management systems not programmable shall not be considered as the purchaser requires this electrical system to be flexible and customizable.

----- DO YOU COMPLY Y___N___

Pre-Wiring for 2-Way Radio, Two (2) Antenna Cables

Wiring preparation for two-way radio, with two (2) antenna cables (routed from front cab to radio communication compartment). The ambulance shall include two cables going to the radio compartment from the front cabin. These cables shall be protected against the elements.

----- DO YOU COMPLY Y___N___

Radio Communications Compartment

Radio communications compartment universal board, Bussmann blade-type fuse panels, and harness to power the radio communication devices. (12V battery feed, ground, ignition). A ventilated radio compartment with a door should be easily accessible and shall contain universal board, Bussmann blade-type fuse panels, and harness. This compartment shall have an access door for easy install.

----- DO YOU COMPLY Y___N___

Radio Communications Front Console

Radio communications front console universal board, Bussmann blade-type fuse panels, and harness. The front console in the driver's compartment shall have a universal board, Bussmann blade-type fuse panels, and harness for radio communication systems.

----- DO YOU COMPLY Y___N___

NMO Motorola Mounts

Install 3 NMO Motorola mount style antenna bases on module roof and terminate 2 coax in cab console and 1 in radio compartment Power and ground to cab console for Radios.

----- DO YOU COMPLY Y___N___

Data Recorder Available Signals

Data recorder available signals through a universal connector in the electrical compartment. (Included) A universal connector shall be provided to get signals such as brake, park brake, turn signals, engine RPM,

reverse, etc., for use by a driver or vehicle monitoring telematics system.

----- DO YOU COMPLY Y___N___

Dual In-Line condenser 45000 BTU, Front LP

A dual-In Line Condenser 45,000 BTU Low Profile, (Hoseline TMC2007) shall be installed on the front of the module. The condenser shall be top center mounted with aluminum mounting brackets. Condenser and brackets are to be painted to match the module.

----- DO YOU COMPLY Y___N___

OEM Tie-In Air Conditioning/ Auxiliary Condenser

The condenser and evaporator are tied-in to the OEM air conditioning system, cooling the air of the patient compartment through the ducted outlets. The air conditioning unit shall be tie-in to the OEM air conditioning system, cooling the air of the patient compartment through the ducted outlets. The module HVAC system shall employ a separate condenser for the enhancement of the A/C system and maximizing the cooling performance especially in hot conditions helping the OEM condenser so that maximizing the performance of the patient environmental cooling systems. The location and capacity shall contribute to a well balance system for a higher efficiency.

The Hoseline evaporator unit shall have a capacity of 580 CFM and cooling capacity of 30,000 BTU. The evaporator shall be installed in the patient compartment above the oxygen compartment. An AC high-capacity filter-drier shall be installed to the inlet of the evaporator to prevent debris and moisture in the system. It shall be accessible by removing the partition ceiling protector.

Five (5) adjustable vents with manual closures are installed above the street side cabinet in a padded diffuser and shall project at a downward angle toward the patient and crew. Cold air runs from the front evaporator to the vents through a one-piece angled duct to maximize and regulate air flow. It is made of a lightweight material and insulated with high performance insulation to reduce thermal transfers and condensation.

The patient compartment HVAC system shall be controlled by the driver or the patient compartment attendant via the multiplex touch pad or touch screen located in the front console or the rear switch panel.

The patient compartment temperature shall be monitored by a thermostat incorporated in the multiplexing electrical system. Additional to the three (3) preprogramed speeds, an automatic mode shall be able to decide between heating, cooling, and fan speed in function of the set temperature versus the patient compartment temperature.

To achieve maximum efficiency and optimization of this system, the fans' speed shall be optimized via Pulse Width Modulation (PWM) to allow the heating and cooling system to run at its most effective speed.

Adequate room for hose connections and hose lines shall be provided when installing HVAC components. The hoses shall be protected and insulated to optimize performance and longevity. They shall also be clamped every 18” with high strength clips and routed without sharp bends and kinks.

----- DO YOU COMPLY Y___N___

Air Conditioning Outlets, Round

There shall be round outlets for ducted air conditioning.

----- DO YOU COMPLY Y___N___

OEM Tie-In Heating Unit

The heating unit shall be installed in the patient compartment in a location behind the street side cabinet, in the wheel well area. The heated air shall blow from below the side wall and just above the roll up floor in a cabinet full length vent. This ventilation system shall blow heat below the patient immediately and circulate upward, also creating a radiator effect as the heated air warms the side wall. The interior ducting shall be designed such that debris or liquids cannot enter vent.

----- DO YOU COMPLY Y___N___

Exhaust Fans (2)

Two (2) exhaust fans shall be installed. These fans shall allow adequate air exchange within cab and patient compartment while parked or in motion. The exhaust fans shall be controlled by the multiplexing electrical system and shall operate on 3 speeds (Low, Medium and High). To move air in a more efficient manner while keeping noise level to a minimum, a dual exhaust vent system with two (2) exterior exhaust ports shall be installed. The exhaust vents shall exit from the street side of the vehicle

----- DO YOU COMPLY Y___N___

Carbon Monoxide Detector

The patient compartment shall be sealed and vented so that the interior carbon monoxide level does not exceed the maximum ppm of CO above ambient conditions. A carbon monoxide detector shall be installed in a conspicuous location yet not interfere with patient care

----- DO YOU COMPLY Y___N___

LED Dome Lights, Adjustable, Dig. Timer

The ceiling lights have four (4) different intensities. Each time the ceiling lights button is pushed, the intensity increases, until maximum intensity is reached. Whelen round Super LED dome lights, Whelen #80COEHCR, shall be provided in the patient compartment. The dome lights shall be controlled by separate switches for the left bank and right bank of lights. The dome lights shall be activated by switches on both the attendant control panel and the master control console. The ceiling lights shall have four (4) different intensities. Each time the

ceiling lights button is pushed, the intensity shall increase, until maximum intensity is reached. One curbside bank of LED lights of the patient compartment shall be illuminated when the patient compartment entry doors are opened.

----- DO YOU COMPLY Y___N___

Grab Bars Color, Yellow

Color of selected grab bars shall be yellow.

----- DO YOU COMPLY Y___N___

Rear Door-Mounted Grab Bars, 16" x 16"

Two (2) handrails shall be installed at the rear access doors to allow ease of entry into the patient compartment. The handrails shall be 90 degree "L" shaped 16" x 16". These handles shall be designed to give the persons exiting and entering the patient compartment multiple points of contact to maintain safe entry and exit of the vehicle. The access handrails shall be installed on the top and lower interior door panels through mounting plates in the door extrusions. Handrails attached through the door panel only are not accepted as they tend to pull loose after an extended period of time. They should not need to be removed for handle and locking mechanism lubrication.

----- DO YOU COMPLY Y___N___

Curbside Door-Mounted Grab Bar, 12"

One (1) door-mounted grab bar, 12" each, on the inside of the side entry door (C2). (included)
One (1) 12" handrail shall be mounted on the inside of the side entry door (C2). This additional grab handle shall be positioned in a location that is easy for the attendant to grip when entering the vehicle.

----- DO YOU COMPLY Y___N___

Embarking Grab Bars, 12"

Two (2) entry grab bars, 12" each, mounted inside the patient compartment. One (1) near the curbside entry door, and one (1) near the R2 rear entry door. (Included)
Two additional 12" handrails shall be mounted in the patient compartment, one (1) right of rear access door and one (1) right of side access door. These additional grab handles shall be positioned in a location that is easy for the attendant to grip when entering the vehicle.

----- DO YOU COMPLY Y___N___

Ceiling Grab Rails, 90", Two (2)

Two (2) 90" overhead steel grab rails shall be mounted in the patient compartment ceiling. The grab rails shall be securely fastened to the roof structure in the patient compartment ceiling at each mounting location. The grab rails shall be at least 1" in diameter.

----- DO YOU COMPLY Y___N___

Lonseal, Lonplate II, Gun Metal floor covering.

Lonseal LonPlate II floorings shall be installed in the completed ambulance. The non-slip floor covering shall be rolled at least 3” up both sides of the patient compartment. This floor shall be rolled on the covered floor extrusion and shall be adhered at every point of the floor cove giving a tight secure fit that will not bubble or prematurely tear. The floor shall be a one (1) seamless piece and shall be able to be cleaned without having to purchase special or potentially harmful cleaning agents. This roll up floor shall cover the entire length and width of the compartment’s working area. Areas in the floor where the sidewalls and floor meet shall be sealed to prevent any blood borne pathogens from entering.

----- DO YOU COMPLY Y___N___

Colbalt blue vinyl upholstery for seat and padding covering.

There shall be Colbalt blue vinyl upholstery for seat and padding covering. (Included)

----- DO YOU COMPLY Y___N___

Safety Yellow Upholstery

Yellow vinyl upholstery for safety exit padding covering. (Included)

There shall be yellow vinyl upholstery for safety exit padding covering. (Included)

----- DO YOU COMPLY Y___N___

Wood Flooring - Exterior grade plywood, 0,75 inches thick.

The floor shall be constructed of ¾” marine grade 7-ply plywood and shall extend the length and width of the patient compartment. Where additional sections of plywood are needed, the sections shall utilize lap joint construction to maintain a continuous lay of the floor and eliminate the possibility of gaps or cracking. It shall be bonded to the aluminum panel and screwed only where there are beams or plates. Screws only through the aluminum skin will not be tolerated as the present a potential injury risk and add close to no value to the floor integrity. Holes in the floor for patient handling options shall be CNC pre-cut to ensure maximum precision.

----- DO YOU COMPLY Y___N___

Fiberglass ceiling in Patient Compartment.

The interior of the ambulance shall be constructed in such a way that is free of sharp edges. All interior surfaces shall be easy to clean, impervious to soap, water, body fluids, disinfectants and shall be mildew resistant. Ceiling in patient compartment shall be CNC cut fiberglass matching the interior color.

----- DO YOU COMPLY Y___N___

General Vehicle Identification

Vehicle general labels identification.

----- DO YOU COMPLY Y___N___

Premium Countertop(s) for Medical Cabinet

Solid Gelcoat countertop with an appearance like engineered stone or natural granite surface. Includes a lip around the front action area countertop, for configurations with a rear action area, the solid surface countertop in that area does not include a lip. A solid Gelcoat Stone Ridge #SGE263 Mooncape countertop, with a 6/8" lip around the front action area shall be installed to prevent equipment from sliding off. The rear action area does not include a lip in order to not obstruct the used of cardiac monitor.

----- DO YOU COMPLY Y___N___

IV Pole with custom location

IV pole located on streetside. Details and location are as follows: Curbside like previous units. There shall be an aluminum pole located on streetside. The exact location will be determined at time of build.

----- DO YOU COMPLY Y___N___

Radio Speakers, Recessed, Two (2)

A pair of rear radio speakers shall be installed in an upper portion of the patient compartment in an area not interfering with patient care. The speakers shall be controlled by a rheostat volume control on the action area wall.

----- DO YOU COMPLY Y___N___

IV Hooks, Recessed in Ceiling, Flexible, Four (4)

Four (4) recessed mounted IV hangers specifically designed for holding IV containers shall be installed, including hook and loop straps to adequately secure an IV bag/bottle. The IV holder shall recess into the ceiling creating minimal protrusion into the patient compartment when not in use.

----- DO YOU COMPLY Y___N___

Storage compartment, two (2) cabinets, LED strip lighting, and sliding doors.

There shall be a cabinet over the seating area on the curbside wall. It shall be divided into two (2) sections and accessible via sliding polycarbonate windows. A vinyl pad shall wrap the cabinet for head protection.

----- DO YOU COMPLY Y___N___

Sharps and Trash Container, Flip-Down, Hands-Free

Red 1L sharps container combined with 3L trash container in curbside flip-down container. A kick out style sharps and waste disposal shall be installed in the squad bench area.

----- DO YOU COMPLY Y___N___

Digital Clock, Driver and Step Indicator Lights

A digital clock shall be installed in the patient compartment. It shall display seconds and integrates indicator lights for rear step position and driver intention and be flush mounted in the protector above the rear doors.

----- DO YOU COMPLY Y___N___
Technimount base

Add 2 additional Technimount base for a total of 3 technimount bases

----- DO YOU COMPLY Y___N___

Streamlight flashlights

Provide and Install Streamlight flashlights 44451 to storage trays behind cab seats. Comments: Provide and install two (2) Streamlight #44451 flashlights on storage trays behind cab seats

----- DO YOU COMPLY Y___N___
Supply and install Motorola Radios:

- APX8500 ALL BAND MP MOBILE 1
- ADD: ALL BAND MOBILE ANTENNA (7/8/V/U) 1
- ADD: MINI-U TO QMA ADAPTER CABLE 1
- ADD: REMOTE MOUNT CABLE 17 FT APX 2
- ENH:SMARTZONE 1
- ENH: 3 YEAR ESSENTIAL SVC 1
- ADD: APXM DUAL E5 CH 1
- ADD: NO GPS/WI-FI ANTENNA NEEDED 1
- ADD: AUXILIARY SPKR 7.5 WATT APX 2
- ADD: APX CONTROL HEAD SOFTWARE 1
- ADD: REMOTE MOUNT E5 MP 1
- DEL: NO J600 ADAPTER CABLE NEEDED 1
- ENH: ASTRO DIGITAL CAI OP APX 1
- ADD: APX E5 CONTROL HEAD 1
- ADD: STD PALM MICROPHONE APX 2
- ADD: MULTIKEY OPERATION 1
- ADD: ADP ONLY (NON-P25 CAP COMPLIANT) (US ONLY) 1
- ENH: P25 TRUNKING SOFTWARE APX 1
- MULTIPLEXER QMA 1

----- DO YOU COMPLY Y___N___

Stryker Equipment shipped with ambulance as follows:

6506 Power PRO XT Stretcher (High Configuration)

6252 Stair PRO Stair Chair

----- DO YOU COMPLY Y___N___

HAVIS Equipment Dealer Supplied and Installed:

2 DS-PAN-722 Toughbook Certified Docking Station
with Power Supply

10" Heavy Duty Telescoping Pole, Side

1 C-HDM-205

Swing Arm Without Motion Device

1 C-MD-133

Folding Monitor and Keyboard Mount

2 C-MKM-102

1 C-HDM-134

Universal Heavy-Duty Short Adapter

Havis Rugged Chiclet Style Keyboard

2 PKG-KB-205

----- DO YOU COMPLY Y___N___

Pickup and Delivery from Cumberland for all warranty work

----- DO YOU COMPLY Y___N___

Add Adapter for Plymo Vent

----- DO YOU COMPLY Y___N___

Delivery to Cumberland Upon Completion:

----- DO YOU COMPLY Y___ N ___

TOWN OF CUMBERLAND

BID PROPOSAL

THE PURCHASE OF AN AMBULANCE FOR CUMBERLAND EMS

Name of Bidder: _____

Address: _____

FEIN: _____

NOTE: THE TOTAL BID PRICE MUST BE WRITTEN IN WORDS AND FIGURES. IN CASE OF DISCREPANCY, THE AMOUNT SHOWN IN WORDS WILL GOVERN.

Total Bid Price: _____ (Figures)

Total Bid Price: _____ (Written)

The undersigned acknowledges Appendix A (Anti-Kickback Acknowledgement) and Appendix B (General Terms and Conditions of Purchase) contained in the Bid Documents.

By: _____

Title: _____

Typed Name

Date

Appendix A

**ANTI-KICKBACK ACKNOWLEDGMENT
ALL BIDDERS/OFFERORS MUST ATTEST TO THE FOLLOWING:**

The vendor acknowledges, under the pains and penalties of perjury, that he/she has not been offered, paid, or solicited for any contribution or compensation, nor has he/she been granted a gift, gratuity, or other consideration, either directly or indirectly by any officer, employee or member of the governing body of the Town of Cumberland who exercises any functions or responsibilities in connection with either the award or execution of the project to which this contract pertains.

Further, the vendor acknowledges, under the pains and penalties of perjury, that he/she has not offered, paid, or solicited by way of any contribution or compensation, nor has he/she granted a gift, gratuity or other consideration either directly or indirectly to any officer, employee, or member of the governing body of the Town of Cumberland who exercises any functions or responsibilities in connection with either the award or execution of the project to which this project or contract pertains.

Signature of Officer

Date

Title

Company

Title of RFP

ORIGINAL: OCTOBER 2018

REVISED: N/A

Appendix B

TOWN OF CUMBERLAND GENERAL TERMS AND CONDITIONS OF PURCHASE

The Town of Cumberland's Finance Office may, from time to time, make amendments to the General Terms and Conditions when the Town of Cumberland's Finance Director determines that such amendments are in the best interest of the Town of Cumberland. Amendments shall be made available for public inspection at the Finance Office located in Cumberland Town Hall and online at <https://www.cumberlandri.org/finance/> but shall not require formal public notice and hearing. Copies of the Terms and Conditions shall be provided to any individual or firm requesting them.

TOWN OF CUMBERLAND'S PURCHASING OFFICE GENERAL CONDITIONS OF PURCHASE

All Town of Cumberland purchase orders, contracts, solicitations, delivery orders and service requests shall incorporate and be subject to the provisions of Rhode Island General Laws 8-15-4 and the Town of Cumberland purchasing rules and regulations adopted pursuant thereto, all other applicable provisions of the Rhode Island General Laws, the Cumberland Town Charter, specific requirements described in the Request or Contract, and the following General Conditions of Purchase:

1. GENERAL

All purchase orders, contracts, solicitations, delivery orders, and service requests are for specified goods and services, in accordance with express terms and conditions of purchase, as defined herein. For the purposes of this document, the terms "bidder" and "contractor" refer to any individual, firm, corporation, or other entity presenting a proposal indicating a desire to enter into contracts with the Town of Cumberland, or with whom a contract is executed by the Town of Cumberland's Finance Director, and the term "contractor" shall have the same meaning as "vendor".

2. ENTIRE AGREEMENT

The Town of Cumberland's Purchase Order, or other Town of Cumberland contract endorsed by the Town of Cumberland Finance Office, shall constitute the entire and exclusive agreement between the Town of Cumberland and any contractor receiving an award. In the event any conflict between the bidder's standard terms of sale, these conditions or more specific provisions contained in the solicitation shall govern.

All communication between the Town of Cumberland and any contractor pertaining to any award or contract shall be accomplished in writing.

- A) Each proposal will be received with the understanding that the acceptance, in writing, by contract or Purchase Order by the Town of Cumberland Finance Director of the offer to do work or to furnish any or all the materials, equipment, supplies or services described therein shall constitute a contract between the bidder and the Town of Cumberland. This shall bind the bidder on his part to furnish and deliver at the prices and in accordance with the conditions of said accepted proposal and detailed specifications and the Town of Cumberland on its part to order from such contractor (except in case of emergency) and to pay for at the agreed prices, all materials, equipment, supplies or services specified and delivered. A contract shall be deemed executory only to the extent of funds available for payment of the amounts shown on Purchase Orders issued by the Town of Cumberland to the contractors.
- B) No alterations or variations of the terms of the contract shall be valid or binding upon the Town of Cumberland unless submitted in writing and accepted by the Town of Cumberland Finance Director. All orders and changes thereof must emanate from the Town of Cumberland Purchasing Office: no oral agreement or arrangement made by a contractor with a department or employee will be considered to be binding on the Town of Cumberland Finance Director, and may be disregarded.
- C) Contracts will remain in force for the contract period specified or until all articles or services ordered before date of termination shall have been satisfactorily delivered or rendered and accepted and thereafter until all terms and conditions have been met, unless:
- i) terminated prior to expiration date by satisfactory delivery against orders of entire quantities, or
 - ii) extended upon written authorization of the Town of Cumberland Finance Director and accepted by the contractor, to permit ordering of the unordered balances or additional quantities at the contract price and in accordance with the contract terms, or
 - iii) canceled by the Town of Cumberland in accordance with other provisions stated herein.
- D) It is mutually understood and agreed that the contractor shall not assign, transfer, convey, sublet or otherwise dispose of this contract or his right, title or interest therein, or his power to execute such contract, to any other person, company or corporation, without the previous consent, in writing, of the Town of Cumberland Finance Director.
- E) If, subsequent to the submission of an offer or issuance of a purchase order or execution of a contract, the bidder or contractor shall merge with or be acquired by another entity, the contract may be terminated, except as a corporate resolution prepared by the

contractor and the new entity ratifying acceptance of the original bid or contract terms, condition, and pricing is submitted to the Town of Cumberland Purchasing Office, and expressly accepted.

- F) The contractor or bidder further warrants by submission of an offer or acceptance of a purchase order or other contract that he has no knowledge at the time of such action of any outstanding and delinquent or otherwise unsettled debt owed by him to the Town of Cumberland, and agrees that later discovery by the Town of Cumberland Finance Director that this warranty was given in spite of such knowledge, except where the matter is pending in hearing or from any appeal therefrom, shall form reasonable grounds for termination of the contract.

3. RELATIONSHIP OF PARTIES

The contractor or bidder warrants, by submission of an offer or acceptance of a purchase order or other contract, that he is not an employee, agent, or servant of the Town of Cumberland, and that he is fully qualified and capable in all material regards to provide the specified goods and services. Nothing herein shall be construed as creating any contractual relationship or obligation between the Town of Cumberland and any sub-bidder, subcontractor, supplier, or employee of the contractor or offeror.

4. COSTS OF PREPARATION

All costs associated with the preparation, development, or submission of bids or other offers will be borne by the offeror. The Town of Cumberland will not reimburse any offeror for such costs.

5. SPECIFIED QUANTITY REQUIREMENT

Except where expressly specified to the contrary, all solicitations and contracts are predicated on a specified quantity of goods or services, or for a specified level of funding.

- A) The Town of Cumberland reserves the right to modify the quantity, scope of service, date of delivery or completion, or funding of any contract, with no penalty or charge, by written notice to the contractor, except where alternate terms have been expressly made a part of the contract.
- B) The Town of Cumberland shall not accept quantities in excess of the specified quantity except where the item is normally sold by weight (where sold by weight, the Town of Cumberland will not accept quantities greater than ten per cent [10%] of the specified quantity), or where the Request or Contract provides for awards for other than exact quantities.

C) Purchase Orders or other contracts may be increased in quantity or extended in term without subsequent solicit with the mutual consent of the contractor and the Town of Cumberland, where determined by the Town of Cumberland Finance Director to be in the Town of Cumberland's best interest.

6. DELIVERY/COMPLETION

Delivery must be made as ordered and/or projects completed in accordance with the proposal. If delivery qualifications do not appear on the bidder's proposal, it will be interpreted to mean that goods are in stock and that shipment will be made within seven (7) calendar days. If the project completion date is not specified in the proposal, the date shall be determined by the Town of Cumberland Finance Director. The decision of the Town of Cumberland Finance Director, as to reasonable compliance with the delivery terms, and date of completion shall be final. Burden of proof of delay in receipt of order shall rest with the contractor. No delivery charges shall be added to invoices except when authorized on the Purchase Order.

7. FOREIGN CORPORATIONS

In accordance with Title 7 Chapter 1.1 ("Business Corporations") of the General Laws of Rhode Island, no foreign corporation shall have the right to transact business in this state until it shall have procured a certificate of authority so to do from the Secretary of State.

8. PRICING

All pricing offered or extended to the Town of Cumberland is considered to be firm and fixed unless expressly provided for to the contrary. All prices shall be quoted F.O.B. Destination with freight costs included in the unit cost to be paid by the Town of Cumberland, except, where the Request or Contract permits, offers reflecting F.O.B. Shipping Point will be considered, and freight costs may then be prepaid and added to the invoice.

9. COLLUSION

Bidder or contractor warrants that he has not, directly or indirectly, entered into any agree participated in any collusion or otherwise taken any action in restraint of full competitive bidding. In special circumstances, an executed affidavit will be required as a part of the bid.

10. PROHIBITION AGAINST CONTINGENT FEES AND GRATUITIES

Bidder or contractor warrants that he has not paid, and agrees not to pay, any bonus, commission, fee, or gratuity to any employee or official of the Town of Cumberland for the purpose of obtaining any contract or award issued by the Town of Cumberland. Bidder or contractor further warrants that no commission or other payment has been or will be received from or paid to any third party contingent on the award of any contract by the Town of Cumberland, except as shall have been expressly communicated to the Town of Cumberland Finance Director in writing prior to acceptance of the contract or award in question.

Subsequent discovery by the Town of Cumberland of non-compliance with these provisions

shall constitute sufficient cause for immediate termination of all outstanding contracts and suspension or debarment of the bidder(s) or contractor(s) involved.

11. AWARDS

Awards will be made with reasonable promptness and by written notice to the successful bidder (only); bids are considered to be irrevocable for a period of ninety (90) days following the bid opening unless expressly provided for to the contrary in the Request, and may not be withdrawn during this period without the express permission of the Town of Cumberland Finance Director.

- A) Awards shall be made to the bidder(s) whose offer(s) constitutes the lowest responsive price offer (or lowest responsive price offer on an evaluated basis) for the item(s) in question or for the Request as a whole, at the option of the Town of Cumberland. The Town of Cumberland reserves the right to determine those offers which are responsive to the Request, or which otherwise serve its best interests.

- B) The Town of Cumberland reserves the right, before making award, to initiate investigations as to whether or not the materials, equipment, supplies, qualifications or facilities offered by the bidder meet the requirements set forth in the proposal and specification, and are ample and sufficient to insure the proper performance of the contract in the event of award. If upon such examination it is found that the conditions of the proposal are not complied with or that articles or equipment proposed to be furnished do not meet the requirements called for, or that the qualifications or facilities are not satisfactory, the Town of Cumberland may reject such a bid. It is distinctly understood, however, that nothing in the foregoing shall mean or imply that it is obligatory upon the Town of Cumberland to make any examinations before awarding a contract; and it is further understood that if such examination is made, it in no way relieves the contractor from fulfilling all requirements and conditions of the contract.

- C) Qualified or conditional offers which impose limitations of the bidder's liability or modify the requirements of the bid, offers for alternate specifications, or which are made subject to different terms and conditions than those specified by the Town of Cumberland may, at the option of the Town of Cumberland, be
 - i) rejected as being non-responsive, or
 - ii) set aside in favor of the Town of Cumberland's terms and conditions (with the consent of the bidder), or
 - iii) accepted, where the Town of Cumberland Finance Director determines that such acceptance best serves the interests of the Town of Cumberland.

Acceptance or rejection of alternate or counter-offers by the Town of Cumberland shall not constitute a precedent which shall be considered to be binding on successive solicitations or procurements.

- D) Bids submitted in pencil, or which do not bear an original signature, in ink, by an owner or authorized agent thereof, will not be accepted.
- E) Bids must be extended in the unit of measure specified in the Request. In the event of any discrepancy between unit prices and their extensions, the unit price will govern.
- F) The Town of Cumberland Finance Director reserves the right to determine the responsibility of any bidder for a particular procurement.
- G) The Town of Cumberland Finance Director reserves the right to reject any and all bids in whole or in part, to waive technical defects, irregularities, and omissions, and to give consideration to past performance of the offerors where, in his judgment the best interests of the Town of Cumberland will be served by so doing.
- H) The Town of Cumberland Finance Director reserves the right to make awards by items, group of items or on the total low bid for all the items specified as indicated in the detailed specification, unless the bidder specifically indicates otherwise in his bid.
- I) Preference may be given to bids on products raised or manufactured in the Town of Cumberland or State of Rhode Island, other things being equal.
- J) The impact of discounted payment terms shall not be considered in evaluating responses to any Request.
- K) The Town of Cumberland Finance Director reserves the right to act in the Town of Cumberland's best interests regarding awards caused by clerical errors by the Town of Cumberland Purchasing Office.

12. SUSPENSION AND DEBARMENT

The Town of Cumberland Finance Director may suspend or debar any vendor or potential bidder, for good cause shown:

- A) A debarment or suspension against a part of a corporate entity constitutes debarment or suspension of all of its divisions and all other organizational elements, except where the action has been specifically limited in scope and application, and may include all known corporate affiliates of a contractor, when such offense or act occurred in connection with the affiliate's performance of duties for or on behalf of the contractor, or with the knowledge, approval, or acquiescence of the contractor or one or more of its principals or directors (or where the contractor otherwise participated in, knew of, or had reason to know of the acts).

- B) The fraudulent, criminal or other serious improper conduct of any officer, director, shareholder, partner, employee, or any other individual associated with a contractor may be imputed to the contractor when the conduct occurred in connection with the individual's performance of duties for or on behalf of the contractor, or with the contractor's knowledge, approval or acquiescence. The contractor's acceptance of benefits derived from the conduct shall be evidence of such knowledge, approval, or acquiescence.

- C) A vendor or contractor who knowingly engages as a subcontractor for a contract awarded by the Town of Cumberland to a vendor or contractor then under a ruling of suspension or debarment by the Town of Cumberland shall be subject to disallowance of cost, annulment or termination of award, issuance of a stop work order, or debarment or suspension, as may be judged to be appropriate by the Town of Cumberland's Finance Director.

13. PUBLIC RECORDS

Contractors and bidders are advised that certain documents, correspondence, and other submissions to the Town of Cumberland's Purchasing Office may be voluntarily made public by the Town of Cumberland absent specific notice that portions of such submittals may contain confidential or proprietary information, such that public access to those items should be withheld.

14. PRODUCT EVALUATION

In all specifications, the words "or equal" are understood after each article when manufacturer's name or catalog are referenced. If bidding on items other than those specified, the bidder must, in every instance, give the trade designation of the article, manufacturer's name and detailed specifications of the item the bidder proposes to furnish; otherwise, the bid will be construed as submitted on the identical commodity described in the detailed specifications. The Town of Cumberland's Finance Director reserves the right to determine whether or not the item submitted is the approved equal the detailed specifications.

- A) Any objections to specifications must be filed by a bidder, in writing, with the Town of Cumberland's Finance Director at least 96 hours before the time of bid opening to enable the Town of Cumberland's Purchasing Office to properly investigate the objections.

- B) All standards are minimum standards except as otherwise provided for in the Request or Contract.

- C) Samples must be submitted to the Town of Cumberland's Purchasing Office in accordance with the terms of the proposals and detailed specifications. Samples must be

furnished free of charge and must be accompanied by descriptive memorandum invoices indicating whether or not the bidder desires their return and specifying the address to which they are to be returned (at the bidder's risk and expense), provided they have not been used or made useless by tests; and absent instructions, the samples shall be considered to be abandoned. Award samples may be held for comparison with deliveries.

- D) All samples submitted are subject to test by any laboratory the Town of Cumberland's Finance Director may designate.

15. PRODUCT ACCEPTANCE

All merchandise offered or otherwise provided shall be new, of prime manufacture, and of first quality unless otherwise specified by the Town of Cumberland. The Town of Cumberland reserves the right to reject all nonconforming goods, and to cause their return for credit or replacement, at the Town of Cumberland's option. Contract deliverables specified for procurements of services shall be construed to be work products, and subject to the provisions of this section.

- A) Failure by the Town of Cumberland to discover latent defect(s) or concealed damage or non-conformance shall not foreclose the Town of Cumberland's right to subsequently reject the goods in question.
- B) Formal or informal acceptance by the Town of Cumberland of non-conforming goods shall not constitute a precedent for successive receipts or procurements.
- C) Where the contractor fails to promptly cure the defect or replace the goods, the Town of Cumberland reserves the right to cancel the Purchase Order, contract with a different contractor, and to invoice the original contractor for any differential in price over the original contract price.
- D) When materials, equipment or supplies are rejected, the same must be removed by the contractor from the premises of the Town of Cumberland within forty-eight (48) hours of notification. Rejected items left longer than two days will be regarded as abandoned and the Town of Cumberland shall have the right to dispose of them as its own property.

16. PRODUCT WARRANTIES

All product or service warranties normally offered by the contractor or bidder shall accrue to the Town of Cumberland's benefit, in addition to any special requirements which may be imposed by the Town of Cumberland. Every unit delivered must be guaranteed against faulty material and workmanship for a period of one year unless otherwise specified, and the

Town of Cumberland may, in the event of failure, order its replacement, repair, or return for full credit, at its sole option.

17. PAYMENT

Unless otherwise provided for by the Request or Contract, payment shall not be made until delivery has been made, or services performed, in full, and accepted. Payment shall not be due prior to thirty (30) working days following the latest of completion, acceptance, or the rendering of a properly submitted invoice. Payments will be released ONLY upon the completion of all certified payrolls incurred during the project and all required close out reports.

- A) Payment terms other than the foregoing may be rejected as being nonresponsive.
- B) No partial shipments, or partial completion will be accepted, unless provided for by the Request or Contract.
- C) Where a question of quality is involved, or failure to complete a project by the specified due date, payment in whole or part against which to charge back any adjustment required, shall be withheld at the direction of the Town of Cumberland Finance Director. In the event a cash discount is stipulated, the withholding of payments, as herein described, will not deprive the Town of Cumberland from taking such discount.
- D) Payments for used portion of inferior delivery or late delivery will be made by the Town of Cumberland on an adjusted price basis.
- E) Payments on contracts under architectural or engineering supervision must be accompanied by a Certificate of Payment and Statement of Account signed by the architect or engineer and submitted to the Town of Cumberland Purchasing Office for approval.

18. THIRD-PARTY PAYMENTS

The Town of Cumberland recognizes no assigned or collateral rights to any purchase agreement except as may be expressly provided for in the bid or contract documents, and will not accede to any request for third party or joint payment(s), except as provided for in specific orders by a court of competent jurisdiction, or by express written permission of the Town of Cumberland's Finance Director. Where an offer is contingent upon such payment(s), the offeror is obligated to serve affirmative notice in his bid submission.

19. SET-OFF AGAINST PAYMENTS

Payments due the contractor may be subject to reduction equal to the amount of unpaid and delinquent state taxes (or other just debt owed to the State), except where notice of delinquency has not been served or while the matter is pending in hearing or from any appeal therefrom.

20. MINORITY BUSINESS ENTERPRISES

Pursuant to the provisions of Title 37 Chapter 14.1 of the General Laws, the Town of Cumberland reserves the right to apply additional consideration to offers, and to direct awards to bidders other than the responsive bid representing the lowest price where:

- A) the offer is fully responsive to the terms and conditions of the Request, and
- B) the price offer is determined to be within a competitive range (not to exceed 5% higher than the lowest responsive price offer) for the product or service, and
- C) the firm making the offer has been certified by the R.I. Department of Economic Development to be a small business concern meeting the criteria established to be considered a Minority Business Enterprise.

21. EQUAL OPPORTUNITY COMPLIANCE, HANDICAPPED ACCESS AND AFFIRMATIVE ACTION

Contractors of the Town of Cumberland are required to demonstrate the same commitment to equal opportunity as prevails under federal contracts controlled by Federal Executive Orders 11246, 11625, 11375 and 11830, and Title 28 Chapter 5.1 of the General Laws of Rhode Island.

Affirmative action plans shall be submitted by the contractor for review by the State Equal Opportunity Office. A contractor's failure to abide by the rules, regulations, contract terms and compliance reporting provisions as established shall be grounds for forfeiture and penalties as shall be established, including but not limited to suspension.

22. TAXES

The Town of Cumberland is exempt from payment of excise, transportation and sales tax imposed by the Federal or State Government. These taxes should not be included in the proposal price. Exemption Certificates will be furnished upon request.

23. BID SURETY

When requested, a bidder must furnish a Bid Bond or Certified Check for 5% of his bid, or

for the stated amount shown in the solicitation. Bid Bonds must be executed by a reliable Surety Company authorized to do business in the State of Rhode Island. Failure to provide Bid Surety with bid may be cause for rejection of bid. The Bid Surety of any three bidders in contention will be held until an award has been made according to the specifications of each proposal. All others will be returned by mail within 48 hours following the bid opening. Upon award of a contract, the remaining sureties will be returned by mail unless instructed to do otherwise.

24. SUSPENSION, DEFAULT AND TERMINATION

A) Suspension of a Contract by the Town of Cumberland

The Town of Cumberland reserves the right at any time and for any reason to suspend all or part of this contract, for a reasonable period, not to exceed sixty days, unless the parties agree to a longer period. The Town of Cumberland shall provide the contractor with written notice of the suspension order signed by the Finance Director or his or her designee, which shall set forth the date upon which the suspension shall take effect, the date of its expiration, and all applicable instructions. Upon receipt of said order, the contractor shall immediately comply with the order and suspend all work under this contract as specified in the order. The contractor shall take all reasonable steps to mitigate costs and adverse impact to the work specified in the contract during the suspension period. Before the order expires, the Town of Cumberland shall either:

- i. cancel the suspension order;
- ii. extend the suspension order for a specified time period not to exceed thirty (30) days;
or
- iii. terminate the contract as provided herein.

The contractor shall resume performance once a suspension order issued under this section is canceled or expires. If as a result of the suspension of performance, there is a financial or schedule impact upon the contract, an appropriate adjustment may be made by, or with the approval of, the Town of Cumberland's Finance Director. Any adjustment shall be set forth in writing. After a suspension order has been canceled or expires, the contractor shall provide any request for adjustment to the Town of Cumberland's Finance Director within thirty (30) days after resuming work performance.

B) Termination of a Contract by the Town of Cumberland

i. Termination for Default or Nonperformance

If, for any reason, the contractor breaches the contract by failing to satisfactorily

fulfill or perform any obligations, promises, terms, or conditions, and having been given reasonable notice of and opportunity to cure such default, fails to take satisfactory corrective action within the time specified by the Town of Cumberland, the Town of Cumberland may terminate the contract, in whole or in part, the termination of all outstanding contracts or sub-contracts held by the contractor, and the suspension or debarment of the contractor from future procurements by giving written notice to the contractor specifying the date for termination. The Town of Cumberland shall endeavor to provide such notice at least seven (7) calendar days before the effective date of the termination.

A contractor who fails to commence within the time specified or complete an award made for repairs, alterations, construction, or any other service will be considered in default of contract. If contractor consistently fails to deliver quantities or otherwise perform as specified, the Town of Cumberland's Finance Director reserves the right to terminate the contract and contract for completion of the work with another contractor and seek recourse from the defaulting contractor or his surety. In the event of a termination for default or nonperformance, in whole or in part, the Town of Cumberland may procure similar goods or services in a manner and upon terms it deems appropriate, and the contractor shall be liable for the excess costs incurred by the Town of Cumberland as a result of the contractor's default. The contractor, or its surety, agrees to promptly reimburse the Town of Cumberland for the excess costs, but shall have no claim to the difference should the replacement cost be less.

ii. Termination Without Cause

The Town of Cumberland may terminate the contract in whole or in part without cause at any time by giving written notice to the contractor of such termination at least thirty (30) days before the effective date of such termination. The notice shall specify the part(s) of the contract being terminated and the effective termination date.

Within thirty (30) days of the effective date of the termination of the contract the contractor shall compile and submit to the Town of Cumberland an accounting of the work performed up to the date of termination. The Town of Cumberland may consider the following claims in determining reasonable compensation owed to the contractor for work performed up to the date of termination:

- a. contract prices for goods or services accepted under the contract;
- b. costs incurred in preparing to perform and performing the terminated portion of the contract; or
- c. any other reasonable costs incurred by the contractor as a result of the termination.

The total sum to be paid to the contractor shall not exceed the total contract price, less any payments previously made to the contractor, the proceeds from any sales of goods or manufacturing materials, and the contract price for work not terminated.

iii. Contractor's Obligations in the Event of Termination

If the contract is terminated for any reason, or expires pursuant to its terms, the contractor shall transfer and deliver to the Town of Cumberland in the manner and to the extent directed by the Town of Cumberland:

- a. all finished or unfinished material prepared by the contractor; and
- b. all material, if any, provided to the contractor by the Town of Cumberland.

For the purposes of the contract, "material" shall include, but is not limited to, goods, supplies, parts, tools, machinery, equipment, furniture, fixtures, information, data, reports, summaries, tables, maps, charts, photographs, studies, recommendations, files, audiotapes, videotapes, records, keys, security badges, and documents.

If the contract is terminated for cause, the contractor shall not be relieved of liability to the Town of Cumberland for damages sustained because of any breach by the contractor. In such event, the Town of Cumberland may retain any amounts which may be due and owing to the contractor until such time as the exact amount of damages due the Town of Cumberland from the contractor has been determined by the Town of Cumberland Finance Director. The Town of Cumberland may also set off any damages so determined against the amounts retained.

Upon termination of the contract, the contractor shall stop performance on the date specified, terminate any outstanding orders and subcontracts applicable to the terminated portion of the contract, and shall incur no further commitments or obligations in connection with the terminated performance. The contractor shall settle all liabilities and claims arising out of the termination of subcontracts and order generating from the terminated performance. The Town of Cumberland may direct the contractor to assign the contractor's right, title and interest under terminated orders or subcontracts to the Town of Cumberland or a third party.

Terminations of Purchase Order Contracts or Master Pricing Agreements shall require the signature of the Town of Cumberland Finance Director or his designee. Notice of termination by either party shall be submitted in writing to the other party in accordance with the termination clause of the contract, or where no specific termination clause is included, written notice shall be provided no later than thirty (30) days before the expiration of the contract.

25. INDEMNITY

The contractor guarantees:

- A) To save the Town of Cumberland, its agents and employees, harmless from any liability imposed upon the Town of Cumberland arising from the negligence, either active or passive, of the contractor, as well as for the use of any copyrighted or uncopied composition, secret process, patented or unpatented invention, article or appliance furnished or used in the performance of the contract of which the contractor is not the patentee, assignee or licensee.

- B) To pay for all permits, licenses and fees and give all notices and comply with all laws, ordinances, rules and regulations of the Town of Cumberland and of the State of Rhode Island.

- C) That the equipment offered is standard new equipment, latest model of regular stock product with all parts regularly used with the type of equipment offered; also, that no attachment or part has been substituted or applied contrary to manufacturer's recommendations and standard practice.

26. FORCE MAJEURE

All orders shall be filled by the contractor with reasonable promptness, but the contractor shall not be held responsible for any losses resulting if the fulfillment of the terms of the contract shall be delayed or prevented by wars, acts of public enemies, strikes, fires, floods, acts of God, or for any other acts not within the control of the contractor and which by the exercise of reasonable diligence, the contractor is unable to prevent.

The below authorized representative agrees to all General Terms and Conditions of Purchase contained in Appendix B.

Signature of Officer

Date

Title

Company

Title of RFP