



Fire Rescue Ambulances

Invitation for Bids # FI-16-03

General Information		
Project Cost Estimate	Not Applicable	Not Applicable
Evaluation of Proposals	Staff	See Section 1.6
Mandatory Pre-Bid Meeting	Not Applicable	Not Applicable
Question Due Date	March 13, 2017	See Section 1.7
Proposals will be accepted until	2:00 p.m. on March 28, 2017	See Section 1.7
Proposal Security / Bid Bond	Not Applicable	Not Applicable
Payment and Performance Bonds	Not Applicable	Not Applicable

**THE CITY OF PEMBROKE PINES
PURCHASING DIVISION
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
(954) 518-9020**



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ATTACHMENTS

Attachment A: Contact Information Form

Attachment B: Vendor Information Form and a W-9

Attachment C: Non-Collusive Affidavit

Attachment D: Sworn Statement on Public Entity Crimes Form

Attachment E: Local Vendor Preference Certification

Attachment F: Veteran Owned Small Business Preference Certification

Attachment G: Equal Benefits Certification Form

Attachment H - Proposers Qualifications Statement

Attachment I: Sample Insurance Certificate

Attachment J: Specimen Contract/Agreement

Attachment K: References Form



SECTION 1 – INSTRUCTIONS

1.1 NOTICE

Notice is hereby given that the City Commission of the City of Pembroke Pines is seeking sealed proposals for:

IFB # FI-16-03 Fire Rescue Ambulances

Solicitations may be obtained from the City of Pembroke Pines website at <http://www.ppines.com/index.aspx?NID=667> and on the www.BidSync.com website.

If you have any problems downloading the solicitation, please contact the BidSync Support line at 1-800-990-9339.

If additional information help is needed with downloading the solicitation package please contact the Purchasing Office at (954) 518-9020 or by email at purchasing@ppines.com. The Purchasing Office hours are between 7:00 a.m. - 6:00 p.m. on Monday through Thursday and is located at 8300 South Palm Drive, Pembroke Pines, Florida 33025.

The City requires all questions relating to the solicitation be entered through the “Ask a Question” option tab available on the BidSync website. Responses to the questions will be provided online at www.bidsync.com. Such request must be received by the “Question Due Date” stated in the solicitation. The issuance of a response via BidSync is considered an Addendum and shall be the only official method whereby such an interpretation or clarification will be made.

Proposals will be accepted until 2:00 p.m., Tuesday, March 28, 2017. Proposals must be submitted electronically at www.BidSync.com. The sealed electronic proposals will be publicly opened at 2:30 p.m. by the City Clerk’s Office, in the City Hall Administration Building, 3rd Floor Conference Room located at 10100 Pines Boulevard, Pembroke Pines, Florida, 33026.

1.2 PURPOSE

The City of Pembroke Pines is seeking proposals to provide the Fire Department with two (2) Fire Rescue Ambulances that will meet their needs.

1.3 BIDDER INSTRUCTIONS

The following specification describes a new ambulance that is expected to be acquired by the City. The specification describes the needs of the City as far as chassis configuration and module body design. A state of the art vehicle is required. However, manufacturers that utilize prototype equipment or manufacturing processes will not be considered. The builder's manufacturing history shall be supported by documentation where applicable, and by the reference section



within this specification. The benchmark for the initial configuration of this ambulance shall be the current KKK Federal Specification for Ambulances or NFPA 1917 Standard for Automotive Ambulances. However, most requirements in this specification exceed the federal specifications because of the specific needs of the City.

Please note that the following specifications represent minimum general terms or requirements. While it is not the intent of the City to preclude any qualified bidder from submitting a proposal, it must be clear that any bidder deviating in any substantial manner from these specifications will be rejected as being non-compliant.

1.3.1 MINIMUM REQUIRED STANDARDS

The highest degree of quality, both in the materials and in the building processes, is required for the emergency medical vehicle being proposed. At a minimum the manufacturer being proposed must meet all current mandated and voluntary ambulance design standards in effect at the date of the proposal submission. All current Federal Motor Vehicle Safety Standards (FMVSS) must be met, as well as all current Federal Ambulance Design specifications as well as NFPA Standards.

The manufacturer shall also comply with Ford Motor Company's QVM program. A copy of the manufacturer's current QVM certification must be submitted with the bid.

1.3.2 PROPOSAL COMPLETION PROCESS

Various areas in the following specifications require a response from the bidder. In order to aid in the evaluation process all responses must be consistent and, most importantly, legible. Therefore, the areas that are to be completed by the bidder, along with any other materials that may be submitted by the bidder, must be typed. Bids that are submitted with either hand-written responses or with hand stamped responses may be automatically rejected as being non-compliant.

1.3.3 SINGLE SOURCE MANUFACTURER

To simplify warranty coverage and to assure a consistent level of quality throughout the vehicle, a manufacturer is desired that manufactures the major components for the ambulance (excluding the chassis). Major components are defined as the module body, the interior cabinets, and the converter-added electrical wiring system. The City understands that manufacturers may purchase some elements, such as switches, boards, etc. with which to manufacture a system. Aftermarket Systems if approved will be covered under the vehicle manufacturer's warranty.

Further, this specification gives preference to vehicle manufacturers who own the design of, as well as the rights to the onboard converter-added electrical system.

These requirements are addressed elsewhere within this specification where the specific defined items are located.



1.3.4 FUTURE PURCHASES AND “TAG ON” ORDERS

The successful bidder shall accept “tag on” orders to this bid proposal for a period not to exceed three (3) years from the bid opening date. The successful bidder shall honor the priced quoted for a period of 90 days from the date of the bid opening. For the remainder of the year (275 days), the bidder shall agree to an economic price escalation of 1.5%. Future years beyond the initial first year shall have an economic price escalation of 3% as a normal course of business. Items outside the normal course shall include changes legislated by Federal, State or Local Governments that impact the cost to manufacture the truck.

1.3.5 WARRANTY

- **Modular Body Structural Warranty: 20 Years**
- **Electrical Warranty: 7 Years/100,000 Miles**
- **Conversion Warranty: 2 Years/24,000 Miles**
- **Paint Warranty: 7 Years/84,000 Miles**
- **Corrosion Due To Electrolysis Is Warranted As Follows:**
0 – 4 Years = 100% / 5 Years = 50% / 6 Years = 35% / 7 Years = 20% (No paint vendor warranties will be accepted)

The proposal shall include all warranties that are required in the following detailed specification. All warranties must have specific time durations and shall define warranties on specific components.

Note: The structural warranty, as noted in the structural section of this specification, will include the module doors, continued module body door alignment, and all interior cabinet construction.

The remounted body shall be completed with the greater of the existing body structural warranty from the OEM still in effect or an extension of (5) years from the date of completion, whichever is greater. The body structural warranty will be effective under the following conditions: (1) the re-chassis is performed by the original manufacturer, (2) the structural warranty has not expired at the time of the re-chassis, and (3) the City approves any structural repairs at the time of the re-chassis. These terms and conditions must be explicitly stated in the manufacturer’s warranty certificate.

For verification of the completed warranty terms stated above the bidder must include printed manufacturer’s warranty certificates that meet or exceed the minimum required periods stated above.

Warranties shall be transferable for their duration. All warranties shall be from the manufacturer as opposed to a distributor or service center. This is necessary for the



protection of the City, and to guarantee a certain known level of service and warranty. If, however, the bidder feels that it is necessary to modify the manufacturer's warranties, then the bidder shall state why this modification is necessary. In addition, the bidder shall provide a full descriptive warranty certificate describing the warranty modification and the fact that it takes specific precedence over the warranty offered by the manufacturer. If no such certificate is provided, then the modified warranty shall be considered invalid and the manufacturer's warranty shall remain in force. If a warranty modification is proposed through either a distributor or service center, then complete financial statements for that business covering the past five (5) years.

1.3.6 SERVICE AVAILABILITY

Service will be a major factor in the award of this proposal. Convenience and experience will be determining factors in defining acceptable service. A service facility within a 150 mile radius will be required. Personnel performing the service shall be trained by the manufacturer with emphasis in the area of electrical service. In order to evaluate the proposed service facility the information about the service facility shall be provided on the appropriate lines.

1.3.7 ENGINEERING SUPPORT

Due to the complexity of the design of the vehicle, proposals will be accepted only from manufacturers that utilize well-defined engineering techniques. Computer Aided Design (CAD) drawings of both the interior of the patient area and the overall layout of the module body will be mandatory. At a minimum these drawings shall include all exterior elevations, all interior views (4), and a plan view of the roof/ceiling. All options and elements required within these specifications shall be depicted on the prints. The purpose of this requirement is to assure the City that vehicle proposals indeed meet the stated requirements as set forth in these specifications. Generic CAD drawings are not acceptable. The drawings, as submitted, shall accurately depict the exact vehicle that is being proposed.

1.3.8 SAFETY CERTIFICATION

The verification of construction techniques used throughout the building process must be furnished by the manufacturer/bidder. The installation methods and construction techniques associated with seat belt retention, cabinet construction and installation, oxygen cylinder retention and module to chassis mounting systems must be provided and all testing performed by a testing agency that is independent of the manufacturer must be provided.

Please attach any applicable information, certifications and/or sled test results regarding construction techniques used throughout the building process, installation methods, construction techniques associated with seat belt retention, cabinet construction and installation, oxygen cylinder retention and module to chassis mounting systems, etc.



Note: This requirement is in addition to the current minimum KKK and NFPA 1917 requirements. The KKK or NFPA requirements do not suffice as a substitute for this requirement as they do not address impact crash testing. It should also be noted that neither photographs of vehicles involved in accidents nor written observations of accident damage suffice to fulfill this requirement. This requirement will be fulfilled only when testing verification, from an accredited independent engineer, is furnished with the bid. If the bidder does not perform sled testing, then the bidder is asked to take exception to this requirement so that the City may evaluate bids on a legitimate basis. Bidders not taking exception shall have all appropriate documentation, as described above, included with the proposal.

1.3.9 BODY INTEGRITY VERIFICATION

Bidder must also ensure the integrity of the patient compartment of the vehicle in the event of an accident. Please attach any applicable information, certifications and/or test results regarding the patient compartment using two mannequins, one in the standard attendant's seat, and one on the squad bench area. Bidder will be required to demonstrate via photos or other evidence as may be approved by this agency that the mannequin restraint systems worked properly and that the mannequins remained in their original positions.

Documentation, signed by a professional engineer from the testing laboratory shall be provided with the bid proposal.

1.3.10 INTERIOR OCCUPANT PROTECTION

For the safety of the EMS providers working in the patient area, the vehicle shall be equipped with an interior occupant protection system incorporating an emergency inflatable airbag system at both the attendant and the CPR seat locations. In the event of a vehicle rollover, the bags shall be triggered by an electronic sensor to inflate and protect the occupants against severe head strikes typical of such accidents.

The attendant seat location shall be protected by an inflatable head cushion technology as well as a unique inflatable tubular system to prevent the attendant from impinging into the danger zones of the inhalation area.

The CPR seat location shall be protected by a combination of an inflatable tubular system at the forward side to protect against entry into the inhalation area as well as a system of progressive resistance head protection cushions. The progressive resistance head protection cushions shall incorporate layers of foam of increasing densities. Should a head strike occur, then the increasing density of the cushion as the impact progresses shall lessen the likelihood that the head will reach the cabinet material behind the cushions. It should be noted that standard single density foam cushions will not meet the requirements of this section. The bidder must have performed both actual impact tests as well as computer simulations in order to test the efficacy of this material in reducing head strike intensities to a survivable rate.



All airbag seating locations shall have been tested with a variety of occupant sizes. Those tests shall include Hybrid III fully instrumented test mannequins including 5% child (115 lbs.), 50% female (163 lbs.), and 95% male (195 lbs.). Testing shall have included at least fourteen (14) fully instrumented destructive dynamic roll crashes and an additional six (6) Side impact destructive crashes. Roll crash testing shall be performed at 17-19G's while side impacts shall be approximately 27G's.

The vehicle must have been certified as compliant to standards ECE R29, SAE J2420, and SAE J2422. The bidder must show evidence that their service facility is trained and certified to service or to replace the airbags should the need arise. Such certification shall be attached to the proposal.

Each seating position shall include seat belts as follows:

- Attendant seat: Four point seat belt.
- CPR seat: Four point seat belt.
- Ends of bench: Four point seat belt.
- Center of bench: Four point seat belt.

Each seat belt shall have been tested to verify its latching capabilities and performance as well as the extent to which it allows movement by the "spooling effect" within the retractor. Those tests shall verify that this spooling effect allows less than three inches (3") of belt travel before latching.

There shall be a barrier constructed at the head of the squad bench that will provide a 16" high restraint which, when working in conjunction with the above three point belt system will assist in securing the occupant in the event of a rollover collision.

1.3.11 REFERENCES

The proven durability and reliability of this product is of the utmost concern. Each bidder submitting a proposal must furnish references consisting of in-service units of similar chassis make and conversion processes being proposed.

All references shall include owner, address, contact name and phone number, and the model owned. A minimum of ten (5) references shall be provided: shall be provided with the bid proposal. (See Attachment K)

1.3.12 RISK OF LOSS PRIOR TO DELIVERY

The bidder shall assume any risk of loss to the ambulance until the ambulance is delivered to the City.



1.3.13 INSPECTION TRIPS

(2) Inspection trips shall be provided by the vendor for up to four people. The inspection trips shall take place during the latter stages of the manufacturing process. The trips shall include transportation, room, and board for two days/night stay. A trip requiring travel of more than 350 miles shall be via commercial air carrier. Under no circumstances shall air travel be via private or corporate aircraft.

1.3.14 DELIVERY PROCESS

The vehicle shall be delivered over the road to the City. Delivery shall be stated in number of calendar days after award of contract and receipt of chassis. The City has the right to reject the vehicle if it does not conform to these specifications to the satisfaction of the City.

1.3.15 PRICE AND TAXES

All prices quoted shall be for a definite fixed price unless otherwise specified. Prices shall exclude Federal, State, and other taxes to the extent that the City is exempt. Pricing shall include delivery and pre-payment discount amounts.

1.3.16 TYPE OF BIDS TO BE SUBMITTED

In the event that the bidder represents more than one ambulance manufacturer meeting the manufacturer requirements outlined herein, then the bidder shall bid the highest quality vehicle that the bidder represents.

The City of Pembroke Pines is seeking quality equipment. Bidders may also submit alternative bids for other products that meet these requirements.

All proposals shall be uploaded to Bidsync in accordance with Section 1.5 of this bid package.

The information requested within this bid must be furnished in full. Any bidder not completing this proposal or not furnishing any required information may not be considered.

1.3.17 CONSTRUCTION PHOTOGRAPHS

The bidder must include the following photographs with the completed proposal. These prints shall be submitted for evaluation purposes. The City shall compare the photos of the different bidders and shall be the sole decision maker as to which design best suits the specific needs to be fulfilled. Commentary on the photos is not desirable. Photographs shall be in color and shall be large enough and clear enough to supply ample detail. The photographs shall be provided in the exact numerical order listed below. The photographs to be submitted shall include:



1. Interior upper corner showing gusset and extrusion detail.
2. Interior side wall including horizontal frame member.
3. Roof section showing 2" x 2" structural supports on 12" centers.
4. Detail of vertical side wall substructure to include gussets.
5. Floor superstructure prior to installation of the aluminum sub floor.
6. Interior of rear door less Formica trim
7. Interior of rear door detailing door latch linkage
8. Electrical distribution panel complete and wired.
9. Backside of front console switch panel complete and wired.
10. Interior cabinet modules prior to installation.
11. Light head attachment point detailing threaded nylon hole insert.

1.4 SPECIFICATIONS

1.4.1 CHASSIS, 2017 FREIGHTLINER M-2, 174" WHEELBASE

The chassis required for this project is specified in detail below.

Exceptions will be made only if the bidder can prove that a required feature is unavailable from the chassis O.E.M.

The vehicle converter shall supply a 2017 174" wheelbase Freightliner M-2 chassis for the ambulance conversion. This chassis shall have a 108" cab-to-axle dimension. Chassis ordered with OEM air rides will include an installed air tank drain line, running from the tank(s) to the bottom side of the rub rail.

1.4.1.1 ENGINE AND RELATED EQUIPMENT

- Cummins "ISB" with 250 HP @ 2,300 RPM, 660 ft. lbs. torque @ 1,600 RPM.
- 2016 Onboard Diagnostics
- Air cleaner restriction gauge installed in dash.
- 34 gallon fuel tank mounted under curbside cab step well.
- Alliance fuel/water separator with heater.
- Equiflo inboard fuel system.
- 750 watt engine block heater with receptacle.
- Horton HT 650 frontal air on/off engine fan clutch
- Single muffler and vertical tail pipe mounted horizontally on right hand side with after treatment device and (1) extra heat safety shield mounted on the right hand vertical mounted tail pipe.
- Low pressure oil indicator and high water temperature warning with light and buzzer
- Electronic cruise control



- Cummins Exhaust Brake
- 950 square inch radiator
- 6 gallon DEF tank
- 2010 EPS Emission Certification

1.4.1.2 TRANSMISSION

- Allison 3000 EVS 6-speed automatic transmission with park pawl.
- Fire and Emergency programming.
- Transmission oil cooler and temperature gauge.
- Park switch on dash.
- Column-mounted shifter.

1.4.1.3 REAR AXLE

- Ratio: 4.56:1

1.4.1.4 OVERALL WEIGHT RATINGS

- GVW: 25,000 lbs.
- Front Axle: 10,000 lbs.
- Rear Axle: 15,000 lbs.
- Front Springs: 10,000 lbs. Taper leaf with front sway bar
- Rear Suspension: 12,000 lbs.
- Air suspension with air reservoir, dump control, and 15.5 cfm gear-driven air compressor. Rear stabilizer bar.
- Manual dump control switches are to be installed at both the rear doors and in the cab. Automatic dumping will occur when the rear doors are opened. The air dump system will inflate when either the rear doors are closed, or, if the air dump override has been activated, when the vehicle is placed into gear and starting to move.
- A dash-mounted air gauge shall be installed.
- Dual rear leveling valves shall be installed.
- Shock Absorbers: Heavy duty front and rear.
- Frame Rails: 50,000 psi high strength steel.
- Air Compressor: 15.2 cfm gear-driven air compressor to include
- Bendix AD-9 air dryer mounted beneath the cab.



1.4.1.5 TIRES AND WHEELS

- Quantity: Six (6) tires
- Tire Style: Michelin XZE with highway tread
- Tire Size: 245/70R19.5
- Wheels: (4) 19.5" X 6.75" polished aluminum disk wheels (front and outside rear).
- Wheels: (2) 19.5" X 6.75" steel wheels (inside rear)
- Wheel Seals: Chicago Rawhide

1.4.1.6 BRAKES

- Brake system: Air Brake package with Wabco ABS brake system.
- Parking Brake: 10" x 3" DCM parking brake, air activated
- Brake Control: Push-pull park brake on dash w/safety bar over the push-pull knob.

1.4.1.7 INTERIOR APPOINTMENT STANDARDS

- M2 interior convenience package
- Air conditioning with integral heater and defroster
- Power windows
- Power door locks
- Grab handles
- Tinted glass
- Driver and passenger seats to be Bostrom Talladega 910 high back air suspension seats with dual armrests. Seats to be vinyl.
- Power steering
- Tilt/telescoping steering
- 19" wrapped steering wheel
- Courtesy lights
- Dual padded sun visors
- Door trim panels with storage pockets
- Cigar style 12V power point
- Cigar lighter and ashtray
- Driver Convenience group
- Molded fabric back panel
- Molded cloth headliner
- Molded instrument panel



- 'A' pillar cover
- Cup holders
- Black rubber floor covering
- A Delco XTA-2300 AM/FM/WB stereo/CD player with two (2) speakers installed in cab
- Low washer fluid warning light
- Factory gauges for oil pressure, fuel capacity, water temperature, air pressure, hour meter, and tachometer with converter-added digital display for ammeter and voltmeter
- Low air pressure warning light and buzzer
- Air restriction warning light in dash
- Dash-mounted regeneration switch

1.4.1.8 ADDITIONAL APPOINTMENT STANDARDS

- Tilting fiberglass hood and fenders
- Frame-mounted front tow hooks
- Chrome plated front bumper
- Dual Grover 25" Stutter Tone hood-mounted air horns
- Dual electric horns
- Manual reset circuit breakers
- Halogen headlamps
- Intermittent windshield wipers
- Required ICC lights
- Parking/Hazard/Turn Signal Lamps
- Exterior grab handles near cab doors
- Deluxe insulation package
- Heated/motorized west coast stainless finished mirrors

1.4.1.9 BATTERIES

The vehicle shall be equipped with three (3) 760 cca batteries located on a slide-out tray beneath the curb side forward compartment. The total cca rating for this vehicle shall be 2,280 cca.

1.4.1.10 ALTERNATOR

A 320 amp Leece-Neville alternator shall be installed on the chassis.



1.4.1.11 WARRANTY

- The chassis manufacturer's standard vehicle warranty policies shall apply.
- Chassis special instruction
- Leave the OEM radio in the dash location.
- Locate the OEM heat/ac controls and the siren in the center
- Overhead console location. (Siren driver side, heat/ac on passenger Side.)

1.4.1.12 CHASSIS INTERIOR COLOR

The chassis interior shall be O.E.M. gray.

1.4.1.13 CHASSIS HARDWARE AND ACCESSORIES

The items to follow represent chassis modifications, hardware, and accessories that are required.

1.4.1.14 MUD FLAPS, FRONT

The vehicle converter shall install mud flaps behind the front wheels. The mud flaps shall attach to the chassis front fenders and shall protect the cab body panels from road debris.

Reduce height by 2" to prevent from tearing.

1.4.1.15 MUD FLAPS, REAR

The vehicle converter shall install individual rubber mud flaps behind each rear wheel. The mud flaps may incorporate the converter's corporate logo provided that the logo is incorporated into the rubber material and not a separate piece.

1.4.1.16 DOCK BUMPERS, REAR

The rear step end caps shall include two heavy duty rubber dock bumpers installed on the outer face of the diamond plate. These bumpers shall serve to protect the diamond plate from damage due to minor contact.

1.4.1.17 REAR STEP/BUMPER REINFORCEMENT

The standard rear step shall be reinforced with 2" x 2" steel angle for added impact protection.

1.4.1.18 REAR STEP/BUMPER ASSEMBLY



The rear of the vehicle shall be equipped with a step/bumper assembly to be fabricated from .125" polished aluminum diamond Treadplate. The assembly shall be spaced out from the rear kick plate a minimum of 1.5". The center section of the assembly shall pivot up and over center on two (2) .5" bolts to stay in the 'up' position. This section shall be a minimum of 9.5" deep and shall be constructed with grip-strut on the stepping surface to provide for better footing. The ends of the assembly shall be fixed diamond tread plate. The distance between the top of the step and the ground shall not be less than 16". The fold-up portion of the step shall be firmly held down with two (2) pin and socket holders to prevent rattling while the vehicle is in motion.

1.4.1.19 MIRROR: OEM

The mirror set shall be OEM supplied, and installed by the chassis manufacturer.

1.4.1.20 CHROME TURNOUT FOR VERTICAL EXHAUST

A chrome turnout shall be installed on the vertical exhaust of the chassis.

1.4.1.21 DIAMOND PLATE STEP WELL COVERS

Diamond plate step well covers shall be installed on both the curb side and street side cab step wells. The covers shall be made of .125" thick polished diamond tread plate with a minimum 3003-H14 alloy.

Relocate batteries to the lower crash barrier compartment.

Lower step on streetside tank cover to be 9" deep. Lower curbside step to be standard depth.

1.4.1.22 SUSPENSION OVERRIDE SWITCH

A manual air dump override switch shall be installed as noted below. This switch shall override the dump activated by opening of the left rear patient compartment entry door.

- Switch locate: Curbside rear entry door panel

1.4.1.23 REVERSE ALARM

An audible alarm shall be installed to activate when the vehicle is placed into reverse gear. There shall be, installed on the front console and wired through the vehicle electrical system, a momentary cutoff switch to disable the alarm. This switch shall automatically reset each time the vehicle is placed into reverse gear.



1.4.1.24 CAMERA SYSTEM

A camera system shall be installed as noted below and wired for use with the front electrical system control screen or the vehicle shall be equipped with a Voyager VCCS150 or comparable backup camera with a 150 deg field of view mounted over the rear doors. The driver area monitor shall be a Voyager AOM562HD wide format LCD style with a min 5.6" non-glare color screen. The monitor shall be capable of handling two camera inputs with manual or automatic source selection. It shall have an auto power-on feature when the vehicle is shifted into reverse.

- Quantity: (1)
- Locate: Above rear entry doors for use as a reverse camera.

1.4.1.25 AM/FM/CD PLAYER

The OEM AM/FM/CD player shall be installed in the cab and wired to the OEM cab speakers. This unit shall also be capable of being wired to patient area speakers should they be required within this specification.

1.4.2 BODY CONVERSION

The following section describes the required body design, manufacturing process, and materials. Adherence to this section is of extreme importance to the City due to space requirements and safety concerns. The bidder must meet this section as closely as possible without utilizing experimental or prototype designs in order to be considered for bid award.

1.4.2.1 WALK THROUGH

The chassis cab shall be modified by the successful bidder to allow for passage between the cab and the patient compartment. The required opening shall be cut out of the back of the cab. A flexible weather-tight Hypalon bellows shall be installed around the perimeter of the opening between the back of the cab and the front of the module body. All of the work required under this section shall be performed by the successful bidder. The work shall not be performed by a third party vendor. This shall guarantee a consistent level of quality and warranty protection while assuring that the work is engineered specifically for use with the module body and other equipment as specified. Size Walk-Through As Wide And High As Possible. Custom Walk-Through Door Assembly.

- Make floor between body and chassis as level as possible.

1.4.2.2 MINIMUM BODY DIMENSIONS

The completed vehicle shall have the following minimum dimensions:



(Exterior)

- Height: 91"
- Width: 96.25"
- Length: 173"

(Interior)

- Height: 76"
- Aisle 48"
- Length: 169"

Overall Dimensions (Including Chassis, Module and Step):

- Height: 110" (to top of vent)
- Width: 100"
- Length: 295"

1.4.2.3 MODULAR BODY STRUCTURAL DESIGN REQUIREMENTS

The module body shall be designed and fabricated with the following key elements in mind:

1. The greatest possible load carrying capacity is desired.
2. The safety of all vehicle occupants is of paramount concern.
3. The body design, including construction materials and fabrication techniques shall be proven to be durable.
4. The body shall be easily retrofitted to a new chassis should that need ever arise.

With these concerns in mind the following requirements have been established for the purposes of this specification:

The vehicle converter shall design and construct its own module bodies, and maintain an engineering staff at its manufacturing facility to handle any custom body changes that may be necessitated by this design. It is the intent of the City to receive a finished product of the highest standards of quality available. Vehicle manufacturers who design and build their own bodies and who have the expertise of an engineering staff will possess a greater capacity as far as handling a custom project of this type than manufacturers who purchase their bodies from an outside vendor.

Accountability and quality of the design and construction of the body are enhanced when the vehicle converter manufactures the body.

1.4.2.4 GENERAL BODY DESCRIPTION



The construction process described within this specification will ensure that the body shall remain structurally intact. However, to achieve this level of quality and durability, the module body, including all doors, must be constructed correctly initially. This specification requires that the module body, including all doors, be built within a tolerance of one five-thousandths of one inch. To achieve this the vehicle manufacturer must use, as standard practice, precision computerized equipment such as found in Strippet machines and microprocessor controlled milling machines and chop saws. Use of precision equipment will ensure that all door openings, door handles and latches, body windows, and warning light assembly installation locations are of the correct size and square to the body. Cutting done by hand, such as with a jigsaw, is not desired unless it involves the chassis, or unless a warning light assembly must be located in such a way that it depends on the layout of the finished vehicle. (E.g. when a light must be centered within a paint stripe since the exact stripe location will not be determined until the module is built and mounted.) In addition, utilization of computerized equipment will simplify the production of replacement body panels in the event of an accident since the computer can duplicate a given part exactly. This includes documentation of all body light locations.

1.4.2.5 PAYLOAD REQUIREMENTS

The vehicle payload shall meet or exceed that called for in the current KKK-A-1822 specification. The vehicle manufacturer shall, upon notice by the City, provide a written statement from an independent engineer that the model being offered has met this set of criteria. Before delivery of the completed unit the manufacturer shall weigh the vehicle. A written statement of those weights shall be affixed to the inside of the street side front #1 compartment door. The City reserves the right to have the finished vehicle weighed independently upon delivery. If it is found that the written statement of weight provided by the manufacturer is inaccurate beyond what may be reasonably explained as a slight difference in the calibration of the scales, then the vehicle will be rejected. It should be noted that the City, while interested in attaining the greatest possible payload, is unwilling to compromise on the structural requirements of a strong, durable, and safe body. All bidders must understand these factors supersede concern over payload, and that the lightest body (greatest payload) will not necessarily be deemed sufficient to meet the stringent quality and safety requirements set forth herein.

1.4.2.6 MODULE BODY CONSTRUCTION AND WARRANTY

The module body shall be constructed per the following detailed specifications. Generally speaking the body shall be of all-aluminum construction. Aluminum is shown to reduce weight over several other materials. It also possesses anti-corrosion properties that are essential for a vehicle of this type. The exact aluminum material requirements are explained in further detail below. The choice of materials and the design shall allow the manufacturer to warrant the materials and workmanship of the module body for a period of twenty (20) years as set forth in the warranty section of this specification. The manufacturer's structural warranty shall specifically cover:



- The continued and correct alignment of both compartment and access doors.
- Seam or joint separation in door construction.
- Aluminum interior cabinetry.

The warranty shall be fully transferable to a new owner should the vehicle ever be sold. In addition, should the manufacturer bidding this proposal re-chassis the vehicle within the period of the initial structural warranty, then an additional 5 years shall be added to the remaining amount of warranty coverage left at the time of re-chassis.

1.4.2.7 CORNER POST SUPPORTS

The body structure must be able to support the loaded weight of the vehicle in the unlikely event of a rollover. A structure is required that will enhance the safety of both patients and attendants in the event of an accidental collision. The foundation of a solidly built module body is the utilization of strong corner posts in both the sidewalls and the roof. A one-piece 90-degree radius post is required. The posts shall include a full length W shaped extrusion that forms a fully encased web inside the post for strength. This reinforcing member shall angle inward just before it joins the radius to form a small slot where the edges of the aluminum skin will be inserted prior to the final welding. Because the structural integrity of a body is derived from the corner posts, subfloor, and framework, corner posts that are a part of the exterior body skin (e.g. rolled corner posts) will not be considered, nor will corner posts which do not have an integral center reinforcement as part of the extrusion.

1.4.2.8 CORNER POST STRENGTH

The corner post extrusions shall possess a minimum ultimate tensile strength of 27,000 psi (6063-T5).

1.4.2.9 ROOF EXTRUSIONS

The horizontal roof extrusions shall conform to the same construction description as the vertical wall extrusions. They will, however, include an extruded drip rail as a part of the one-piece posts. Because the drip rail is a part of the post itself there will be no seams between the rail and the body above the rail. In addition there shall be drip rails installed above all body doors that are not full height. These rails shall attach via a durable adhesive.

1.4.2.10 WALL AND ROOF SKIN SUPPORTS

The exterior wall and roof skins shall be supported on the inside by 2" square tubing with .125" wall. These structural supports shall be strategically located at the load bearing points of the module body. The roof structural support beams shall be spaced



on minimum 12" centers for adequate load support. Wall tubing of .125" thickness or less will not be acceptable.

1.4.2.11 HORIZONTAL WALL SUPPORT

In addition to the vertical wall supports there shall be a horizontal beam, located in the beltline area, to provide additional protection in the event of a side body collision.

1.4.2.12 GUSSET ENHANCEMENT

Gusset supports, made from 2" square tubing, shall be installed throughout the vehicle for added strength. Each gusset shall be a minimum of 5" long at its longest point. A minimum of twenty-four (24) of these gussets shall be welded into the vehicle support structure. Areas of installation shall include but not be limited to: all door openings, all body corners, and above all wheel wells. Designs that utilize no gussets, or gussets of lesser material size or strength, are not acceptable.

1.4.2.13 EXTERIOR BODY PANELS

The materials selected for the body skin have been chosen because of this vehicles expected heavy-duty cycle and the good wear characteristics that this material has shown in the field. The material shall be a minimum 5052-H34 alloy with an ultimate tensile strength of 38,000 psi. This material has been chosen because it is less prone to fail due to stress than other weaker materials such as 5052-H32 alloy.

1.4.2.14 EXTERIOR BODY PANELS (PART 2)

The thickness required for exterior body panels is:

- Side, front, and rear walls: .125"
- Ceiling and floor panels: .090"

Note: The roof shall be constructed with a single sheet of 5052-H34 .090" thick aluminum. This one-piece construction is preferred over a multiple piece design. The roof shall incorporate a 3/8" crown designed to allow water to drain.

1.4.2.15 FLOOR CONSTRUCTION

Floors that are uneven or are incapable of adequately supporting the load being carried on the vehicle are unacceptable. For that reason thin floor panels and/or a lack of floor supports are not desirable. To prevent buckling, sagging, oil canning or any other structural breakdown of the flooring system a detailed description of the required construction process is provided.

The body subfloor shall be constructed of .090" 5052-H34 aluminum. The floor, from the front to the rear and from curbside to street side shall be supported by a minimum



2" x 3" tubular beams with a .25" wall. The floor just behind the axle shall be supported by a minimum 1.5" x 3" tubular beam with a .25" wall. All beams shall be strategically located at the load bearing points of the floor and welded into place. The interior of this vehicle shall contain no wood or wood products of any kind. The subfloor, above the aluminum sheet shall be specially constructed to provide both acoustic and thermal protection for the patient interior. It shall consist of the .090" aluminum with tubular understructure as noted above. The underside of this area is to be sprayed with a sound reduction coating. In addition, a .125" damping pad, a .125" sound barrier sheet, and a .625" aluminum composite floor panel shall be installed prior to installation of the vinyl floor covering. The City reserves the right to inspect the process proposed by the bidder and to make determinations regarding the acceptability of that process. The resultant subfloor shall have no organic, wood, or wood products and shall be guaranteed against rotting or water absorption for a minimum of fifteen years. It shall not support or attract mold or fungus.

1.4.2.16 SKIN TO SUPPORT ATTACHMENT

All exterior aluminum body panels shall be attached to the underlying structural supports via high performance polyurethane two sided tape. The tape shall have a polyurethane foam core for environmental resistance and an acrylic adhesive for a durable bond. The tape will be used as an insulating agent to hold the panels tightly against the structural supports, thus eliminating vibration and oil-canning. In addition to the tape attachment system, all panels shall be welded to structural members at the perimeters only. Welding in the center of the panels is not desired unless this process will not cause heat distortion of the body panels and lessen the overall quality of the finished appearance. Use of the tape, as described here, will eliminate heat distortion without damaging the structural integrity of the module body.

1.4.2.17 SKIN TO SUPPORT ATTACHMENT (PART 2)

Each body panel shall be welded to all horizontal frame members, including the roof extrusions. In addition, the panels shall be welded to the vertical corner posts. In the case of the roof, the perimeter of the one-piece roof sheet shall be stitch welded. This method of attachment shall provide a total welding application to the entire perimeter of the body skin and a taped/insulating application to the interior surfaces of all walls. Methods of panel attachment that utilize rivets will not be acceptable.

1.4.2.18 STRUCTURAL INTEGRITY VERIFICATION

Structural integrity, as stated elsewhere in this specification, is of extreme importance to the City. As such, it is required that the manufacturer maintain a program of simulated crash tests. The manufacturers Hygee sled testing or safety testing program must be current and have been maintained on a continuous basis for a period of time not less than ten years. In addition, sled testing shall have subjected a body, built comparable to the above-written specifications, to a minimum of 30 G's in both side



and frontal impact conditions. Neither photographs of vehicles that have been involved in accidents, nor statements or observations relevant to an accident, be it from a customer or a manufacturer's representative, shall suffice as a substitute for this requirement. Testing must take place in a controlled environment whereupon meaningful engineering data can be gathered and applied to the structural design of the module body. Accidents that take place outside of this controlled environment do not yield any meaningful data. Therefore, real world accidents are considered anecdotal and cannot realistically be used by the manufacturer to judge the safety of a design.

1.4.3 MODULAR DOOR DESIGN

Door panel separation, dirt accumulation at seams, paint imperfections, misalignment, and even malfunctions whereupon the door cannot be operated have been observed in many styles of door construction. These problems, along with the expected rugged use of the vehicle doors, shall be eliminated with a good overall design and construction process. With these thoughts in mind the modular doors shall be constructed as stated in the following sections below.

1.4.3.1 OUTER DOOR SKIN

The door facing and edges shall be formed from a single sheet of aluminum. The aluminum used for the doors shall not be less than 5052-H34 alloy with an ultimate tensile strength of 38,000 psi. The material shall be .125" thick. All module doors shall be flush fit to the body side. The door panels must be welded at the corners.

1.4.3.2 INNER DOOR REINFORCEMENT

Each door shall include an internal extrusion for added reinforcement. The extrusions shall extend around the entire perimeter of the door. Additional reinforcement shall be installed through the center of the door and around each window where applicable. In addition to the extrusions reinforcing each outer door pan, the extrusions themselves shall be reinforced through a dual joining method. First, each mitered corner, where the frame corners join, shall be fitted with a one-way solid aluminum insertable key. This key shall prevent the corner from pulling apart, and shall act as a solid aluminum internal gusset. Secondly, each corner where the frame joins shall be welded to further prevent any separation. The end result will be a rigid door that will not bend or flex and that will eliminate the other commonly seen structural defects described above.

1.4.3.3 INNER DOOR PAN

An inner door pan shall fit flush with the inner edges of the door. Inner door pans that do not fit flush will have sharp or ragged edges exposed and will not be acceptable. The panels must be attached to the door structure with machine screws and "T" style Nutserts to prevent spinning stripping. Sheet metal screws or rivets will not be



accepted. Lastly, a closed cell cross-linked polyolefin foam tape shall be used beneath the inner door panels to isolate the panels from the door frames. This process will prevent door rattling.

1.4.3.4 DOOR SEAL

All module doors shall incorporate an extruded rubber seal located around the perimeter of the door. The seal shall insert into a groove in the inner door extrusion. Seals that are installed around compartment openings will be easily torn by the movement of equipment across them. In addition, glue will not be permitted except in the case of a double door compartment. The requested design does not include a groove on the underlying door edge of a double door compartment. That edge alone will require an adhesive. Glue for all seals is not desirable because of increased replacement time and insufficient durability.

1.4.3.5 DOOR JAMB

All doorjamb must be separate from the body skin and must be welded to the 2" x 2" tubular body frame members so as to ensure continued door alignment and proper latching. The compartment frame shall be designed in such a manner as to provide extra protection around the compartment openings. The reinforcement tube shall be at least 1" wide. For added strength, the frame shall be at least .188" thick where screws are attached.

Prior to door installation the doors shall be true fit to the doorjamb. The fitting, prior to installation, shall provide added assurance that the door aligns properly with the doorjamb.

1.4.3.6 HINGING

All doors shall have full-length stainless steel hinges. The hinges shall be .070" thick and shall incorporate a .25" diameter pin.

All hinges shall have un-slotted mounting holes for an exact and permanent installation. Hinges that utilize slotted mounting holes are unacceptable because of the continued adjustments that they require.

There shall be an anti-corrosive material installed along the length of the hinge where the hinge meets the door frame to separate the stainless hinge from the aluminum body. This material shall be transparent so as not to be visible at any point while the door is being used.

1.4.3.7 HOLD-OPEN DEVICES

The following door hold-open devices shall be installed:



- Compartment doors: Gas filled, 100-degree extension actuator
- Side access door: Gas filled, 110-degree extension actuator
- Rear doors: Cast Products grabber style devices

Spring-loaded devices are not desired because of their weaker holding capabilities and a lack of smooth door operation.

1.4.3.8 PATIENT AREA DOOR OPENINGS

A) Rear Doors:

Two (2) doors shall be provided at the rear of the module body. The overall opening of the access to be a minimum of 54.3" in height x 46.75" in width. Both inside and outside door handles shall be installed on each rear door. Left rear doors that can only be activated from the inside are not acceptable. These doors are to incorporate emergency release levers as described in this document.

B) Side Door:

One (1) side door shall be provided on the curb side of the module body. The opening shall have minimum overall dimensions of 80.6" in height x 30" in width.

1.4.4 INSULATION

The patient area, including the doors, shall be insulated with 2" Technicon polyfiber or comparable insulation for both thermal and acoustic insulation. The headliner area of the vehicle shall also include a barrier insulation of Reflectix material or comparable for increased protection.

1.4.5 COMPARTMENTS

1.4.5.1 STREETSIDE FRONT COMPARTMENT (#1):

The compartment described above shall feature the following minimum dimensions:

- Clear Door Opening: 18.73" wide x 51.66" high
- Actual Dimension: 21.4" wide x 54.63" high x 21.9" deep

This compartment shall be accessed through a single hinged door meeting the standards for door construction, hinging, and latching outlined within this specification. The compartment shall house the vehicle's primary O2 cylinder and shall be vented to the outside in such a way as to prevent moisture from entering the compartment. Under no circumstances shall vents be installed within the compartment door. The compartment itself shall be constructed as an individual box and welded into the body structural framing. The material used shall be .125"



polished aluminum diamond plate that is continuously welded at all seams. The compartment shall include two strips of LED lights, one to either side of the compartment door, to provide lighting inside the compartment.

- Divider fixed, vertical compartment
- A 16" vertical divider shall be installed as noted below. The divider shall be non-adjustable and shall be fabricated from the same material used in the construction of the compartment in which it is to be installed.
- Quantity: (1)
- Locate: 11.5" from right compartment wall.

1.4.5.1.1 INSTALL ALL ADD-ON ELECTRICAL COMPONENTS IN THE UPPER STREETSIDE

Forward electrical compartment. Locate the p/d box on the left compartment wall.

1.4.5.2 STREETSIDE INTERMEDIATE COMPARTMENT (#2)

The compartment described above shall feature the following minimum dimensions:

- Clear Door Opening: 51.80" wide x 47.87" high
- Actual Dimension: 55.4" wide x 51.0" high x 21.9" deep

This compartment shall be accessed through double hinged doors meeting the standards for door construction, hinging, and latching outlined within this specification. A portion of this compartment shall house the vehicle's required onboard electrical components as specified for use on this vehicle. The remainder of the compartment shall be utilized for storage of miscellaneous items as required by the City. This compartment shall be vented to the outside in such a way as to prevent moisture from entering the compartment. Under no circumstances shall vents be installed within the compartment door unless they are required for airflow to equipment installed within this compartment. The compartment itself shall be constructed as an individual box and welded into the body structural framing. The material used shall be .125" polished aluminum diamond plate that is continuously welded at all seams. The compartment shall include two strips of LED lights, one to either side of the compartment door, to provide lighting inside the compartment.

1.4.5.2.1 SHELVING FOR DOUBLE-DOOR EXTERIOR COMPARTMENT

A shelf shall be installed in the location(s) noted below. All shelving is to be fabricated from 3003-H14 aluminum diamond plate. This material shall be .125" thick. All shelving is to include a 2" integral lip to prevent equipment from sliding



off of the shelf. The compartment light shall meet the lighting criteria as described elsewhere within this specification.

- Quantity: (1)
- Locate: centered
- Reduce shelf depth for tool board clearance.

1.4.5.2.2 ADDITIONAL ALUMINUM "C" CHANNEL

Install aluminum 'C' channel as noted below. The channel shall be welded into place and is in addition to channel already present in the specified area for shelving and/or any other required equipment. Standard tool boards require two c-channels.

1.4.5.2.3 TOOL MOUNTING PLATE

Install an aluminum plate as noted below. The plate shall be .250" thickness and is to have a D/A finish. The plate is to be fastened to the wall of the specified area using aluminum 'C' channels that are welded into place.

- Size: Full width and full height.
- Location: back compartment wall - notch for shackle box
- Streetside intermediate compartment (#2)

1.4.5.3 STREETSIDE VERTICAL EXTERIOR COMPARTMENT (#3)

The compartment described above shall feature the following minimum dimensions:

- Clear Door Opening: 32" wide x 66.8" high
- Actual Dimension: 37.4" wide x 70" high x 21.9" deep

This compartment shall be accessed through double hinged doors meeting the standards for door construction, hinging, and latching outlined within this specification. This compartment shall be utilized for storage of miscellaneous items as required by the City. This compartment shall be vented to the outside in such a way as to prevent moisture from entering the compartment. Under no circumstances shall vents be installed within the compartment door. The compartment itself shall be constructed as an individual box and welded into the body structural framing. The material used shall be .125" polished aluminum diamond plate that is continuously welded at all seams. The compartment shall include two strips of LED lights, one to either side of the compartment door, to provide lighting inside the compartment.



1.4.5.3.1 SHELVING FOR VERTICAL EXTERIOR COMPARTMENT

A shelf shall be installed in the location(s) noted below. All shelving is to be fabricated from 3003-H14 aluminum diamond plate. This material is to be .125" thick. All shelving is to include a 2" integral lip to prevent equipment from sliding off of the shelf. The compartment light shall meet the lighting criteria as described elsewhere within this specification.

- Quantity: (2)
- Locate: For inside/outside access. Locate lower shelf to allow the bottom of the i/o to start 24" above the module floor. Space remaining shelf evenly above.

1.4.5.4 CRASH BARRIER SAFETY CONFIGURATION COMPARTMENT (#4)

In order to provide a fully welded stable crash barrier at the head of the squad bench, the vehicle shall be built with the side access door located at the forward most part of the curbside of the vehicle. The cabinet normally located in that position shall be relocated to the head of the squad bench.

NOTE: Requires 75" squad bench length

- Install (2) diamond plate compartments, one above the other, that total 24"w x 58.75"h (over all height)
- Top compartment to include (3) adjustable shelves. Notch shelves for the max cool drain line close-outs
- Include a cargo net on the aisle side.
- Maximize interior opening of i/o. Reduce flange size as needed.
- Install 90 degree trim on the inboard compartment corners the lower compartment is to house the vehicle batteries on a slide- out tray - note drain line close-out
- Include close-outs for the max cool drain lines

1.4.5.5 CURBSIDE REAR COMPARTMENT (#5)

The compartment described above shall feature the following minimum dimensions:

- Clear Door Opening: 25" wide x 87.6" high
- Actual Dimension: 29.6" wide x 90.6" high x 21.9" deep



This compartment shall be accessed through a single hinged door meeting the standards for door construction, hinging, and latching outlined within this specification. This compartment shall be utilized for storage of miscellaneous items as required by the City. This compartment shall be vented to the outside in such a way as to prevent moisture from entering the compartment. Under no circumstances shall vents be installed within the compartment door. The compartment itself shall be constructed as an individual box and welded into the body structural framing. The material used shall be .125" aluminum that is continuously welded at all seams. The compartment shall include two strips of LED lights, one to either side of the compartment door, to provide lighting inside the compartment.

1.4.5.5.1 SHELVING FOR VERTICAL EXTERIOR COMPARTMENT

A shelf shall be installed in the location(s) noted below. All shelving is to be fabricated from 3003-H14 aluminum diamond plate. This material is to be .125" thick. All shelving is to include a 2" integral lip to prevent equipment from sliding off of the shelf. The compartment light shall meet the lighting criteria as described elsewhere within this specification.

- Quantity: (2)
- Locate: Right side of divider. Install the bottom of the lower shelf 40" above the compartment floor. Space remaining shelf evenly above.

1.4.5.5.2 ROK BACKBOARD STRAP

A ROK buckle type backboard strap shall be installed as noted below:

Locate: On left side of divider.
Divider fixed, vertical compartment

A 16" vertical divider shall be installed as noted below. The divider shall be non-adjustable and shall be fabricated from the same material used in the construction of the compartment in which it is to be installed.

- Quantity: (1)
- Locate: 15" from left compartment wall.

1.4.6 SPECIAL BODY REQUIREMENTS

The requirements set forth in the following section of this specification represent items and features that may not be offered as standard by the bidder. If the bidder is unable to



furnish any items listed in this section, then that inability must be listed and explained in the bidder's list of exceptions.

1.4.6.1 INTERIOR HEADROOM

The interior headroom of the finished vehicle shall be: 76.00"

1.4.6.2 6" DROP SKIRT DESIGN

The curbside skirt, forward of the rear wheel well shall be dropped six (6) inches. Two integral aluminum diamond plate steps shall be installed within the side access door step well for improved accessibility to the patient compartment. Under no circumstances shall this be accomplished by bolting an additional step to the step well. The design must be such that all steps are integral. The use of bolts, rivets, or any other type of fastener is prohibited.

1.4.6.3 STREETSIDE OF BODY LOWERED 6"

The street side body skirt, forward of the rear wheel well, shall be dropped six (6) inches. The extra room is to be provided inside the compartments in this area.

1.4.6.4 SOUNDPROOFING

To insure good working conditions and to create a stable patient environment, the vehicle shall be manufactured with particular attention paid to sound control. The following process must be performed throughout the manufacturing cycle of the vehicle:

1. Underbody shall be completely sprayed with sprayable, non-flammable latex sound control coating.
2. Body Interior walls, roofs and interior compartment walls shall be sprayed with sprayable non-flammable latex sound control coating.
3. The interiors of all access doors shall be sprayed with sprayable non-flammable latex coating.
4. The backs of all interior cabinets shall be wrapped in antiphon damping material.
5. Door interiors are to be lined with polydamp intefoam extensional damping pad.
6. The body structural tubes shall be filled with non-resonating dampening material.



7. Side stepwell areas are to be backed with PT Damping Pad.
8. All walls shall be insulated with 2" Technicon polyfiber acoustic insulation. Headliners shall be double insulated with 2" Technicon Polyfiber and a Reflectix barrier.
9. A .125" damping pad, a .125" sound barrier sheet, and a .625" composite floor panel sandwiched between aluminum sheets shall be installed prior to installation of the vinyl floor covering.
10. A chassis tuned VI-Tech mounting system shall be used to provide insulation.

1.4.6.5 ELECTRICAL COMPARTMENT

A single door compartment, meeting all criteria for exterior compartments as described elsewhere within this specification, shall be installed above the streetside forward compartment. This compartment shall include a Cast Products vent in the door. This compartment is to house all converter-added electrical equipment such as vacuum pump, battery charger/inverter, etc.

- Streetside forward below the ducted heat/ac system. Compartment to be 18" high.

1.4.6.6 SPECIAL INSTRUCTION, BODY MODIFICATIONS

- Fabricate a flat aluminum d-bottle storage box sized to fit (4) bottles side-by-side. Apply light gray scorpion coating.
- Special instruction, body modifications
- Install a 3" body drop behind the streetside and the curbside rear wheels.

1.4.7 MODULE BODY HARDWARE

The following section lists hardware items that are to be installed on the vehicle body.

1.4.7.1 WINDOWS, MODULE BODY ENTRY DOORS

The rear module body access doors shall include windows. The two rear doors shall feature fixed windows. Each of these windows shall measure 16.5"h x 17"w and shall be glazed and tinted in accordance with FMVSS. The windows shall have dark privacy glass. The windows shall meet FMVSS glazing standards. No films are to be used. The windows shall be encased in extruded aluminum frames. Under no circumstances will RV style windows, windows that rely on rubber gaskets, windows that do not feature extruded aluminum frames, or windows that do not meet the above stated minimum dimensions be acceptable.



1.4.7.2 WINDOW, SLIDING FOR SIDE ENTRY DOOR

The side entry door shall have a sliding privacy window. The window shall measure 16.5"h x 17"w and shall be glazed and tinted in accordance with FMVSS. The window shall have dark privacy glass. The window shall meet FMVSS glazing standards. No films are to be used. The windows shall be encased in extruded aluminum frames. Under no circumstances will RV style windows, windows that rely on rubber gaskets, windows that do not feature extruded aluminum frames, or windows that do not meet the above stated minimum dimensions be acceptable.

1.4.7.3 DOOR HANDLES

The vehicle is to include Tri-Mark free floating door handles. The handles shall include a chrome finish and are to activate the door latches through the use of pre-stretched stainless steel cables. Latches using cables made of any other material or that are not pre-stretched are not acceptable. The interior door panels are to be three piece with a removable center section allowing access to the latch mechanism for lubrication and maintenance.

1.4.7.4 BODY MOUNTS

The City requires a mounting system that provides a stable and durable attachment of the module body to the chassis frame. To accomplish this requirement the following body attachment method shall be used:

A minimum of (4) four Mounting platforms shall be attached along the outside of each chassis frame rail for a total of (8) eight. Each platform shall consist of (1) top plate of .375" thick steel and (2) side reinforcement plates made of .25" steel. There shall be a .375" full backing plate where the mount attaches to the frame rail. The plates shall be welded along all seams with a heavy continuous weld. The body substructure shall include a 1" by 3" solid aluminum tie down bar welded to each sub structure cross member. To complete the body to chassis attachment, a tuned mounting system shall be used. The elastomer mount shall be custom-tuned to the specific chassis type for vibration reduction, structure borne noise attenuation and to provide low profile, low frequency isolation necessary for ideal patient compartment conditions. Standard chassis furnished mounting donuts will not meet the requirements of this specification. The mount shall be attached to each platform by (2) .625" Grade 8 bolts with washers and locking nuts. The platform shall be attached to the chassis frame rail with a minimum of (3) .625" diameter Grade 8 bolts with washers and locking nuts. The fail-safe elastomer isolation mount shall then attach to the aluminum body tie down bar with a .75" diameter Grade 8 bolt, a washer, and a locking nut.

The mounting system must have been subjected to a documented safety test like the Hygee dynamic frontal impact test of at least 30 G's to verify the integrity of the mounting system in the event of a serious accident.



1.4.7.5 EMERGENCY RELEASE PROVISION, REAR DOORS

The manufacturer shall install emergency release latches at the top and bottom of the interior of the rear entry doors. These will allow egress in the event of a door latch failure. The release knobs are to activate the rotary at the top and bottom of each door.

1.4.7.6 SPLASH SHIELDS

Stainless steel splash shields are to be installed on the lower front face of the module body just aft of the cab access doors. These shields are to have a #8 mirror finish and shall match the height of the diamond plate corners guards that are to wrap around the lower corner posts on the side of the body.

1.4.7.7 STAINLESS STEEL FENDERS

Polished stainless steel fender flares shall be installed above each wheel well opening. The mounting of these flares shall provide for no contact between the stainless steel fender, fasteners, and the aluminum body skin. This is done to eliminate any contact between dissimilar metals and the electrolysis that may result.

1.4.7.8 RUB RAILS

Polished stainless lower body rub rails shall be installed on each side of the module body. Each rail shall be securely installed yet simple to remove and replace in the event of damage. Each rail is to be a three piece assembly to include a channel style rub rail and two removable end caps. These rails are to have a #8 mirror finish. Rubber rub rails are not acceptable to the City.

1.4.7.9 REAR ACCESS DOOR HOLD-OPEN DEVICES

Cast Products "Grabber" style rear door hold-open devices shall be installed to maintain the rear access doors in the 'open' position. One loop shall be installed on each door, and the appropriate socket shall be installed on the body. These devices are to be chrome finish in lieu of Cast Products' standard finish.

1.4.7.10 ELECTRIC LOCKS, COMPARTMENT DOORS

Power activated door locks shall be installed on all exterior compartment doors. Locks shall be activated by switches located at each patient area access door and in the front radio console. Each lock may be individually overridden by the use of a key. Power door locks will be wired to the OEM locks.

1.4.7.11 ELECTRIC LOCKS, ACCESS DOORS



Power activated door locks shall be installed on patient area access doors. Locks shall be activated by switches located at each patient area access door. Locks may be overridden by a manual slide lever or by the door key. Power door locks will be wired to the OEM locks.

1.4.7.12 CONCEALED DOOR LOCK SWITCH

A concealed weatherproof switch shall be installed as indicated below to operate the power door locks specified above. The switch shall be wired to unlock only.

1.4.7.13 DOOR LOCKS WIRED THROUGH OEM SWITCHES

The power door locks specified above are to be wired to the O.E.M. chassis door lock switches.

1.4.7.14 REFLECTORS ON ENTRY DOORS

Red reflectors shall be installed on the inside on the patient area doors.

1.4.7.15 DOOR REFLECTION

Red Scotchlite strips, 2" x 12", shall be installed horizontally across the top of each entry door. This material is in addition to the reflectors listed above.

1.4.7.16 RUBBER MATTING IN EXTERIOR COMPARTMENTS

Black rubber matting material shall be cut to size and installed on the bottoms of all exterior compartments and shelves. The material shall feature integral ridges to help equipment to stay in place.

1.4.7.17 RUBBER-COVERED WALLS IN BACKBOARD COMPARTMENT

The walls of the backboard compartment shall be covered with self-adhesive textured rubber matting to protect the walls and the equipment stored in this area from any damage.

- Color: Gray

1.4.8 PAINT AND STRIPING

A paint process is required that provides the highest possible gloss as well as superior color and luster retention characteristics. In addition, the paint process must provide a high resistance to chemical sprays, salt sprays, humidity, and temperature changes. Lastly, this process, given the expected life of the vehicle and its heavy-duty cycle, must resist chipping. The final paint application shall be free of material application imperfections such as orange peel, streaking, or a dull finish. Once painted, the vehicle



shall be inspected under a black light to bring any small imperfections, not seen with the naked eye, to attention. Any such imperfections shall be repaired prior to the conclusion of the paint inspection process. The final application shall provide a high gloss finish.

1.4.8.1 PREPARATION

To produce an acceptable paint finish, the following paint process must be used:

All body doors and hardware must be removed prior to any wash, prime, or final paint application. All material impurities and oils must be removed from the bare aluminum body. The entire module body, excluding the underside, will have all visible welds ground down and all material imperfections filled. The entire body, including the compartment doors, must be finished with a DA. It is also required that all door jamb areas be sanded to insure that no areas are missed with the DA process mentioned above. All holes (e.g. for hinge mounting, etc.) shall be plugged at this stage to prevent any cleaning agents from entering the module body framework. The body shall be prepared for paint by spraying with a high strength detergent followed by a water rinse. Next the body and compartment doors are to be sprayed with a phosphoric acid-based cleaner to remove dirt and oil and to etch the body for superior paint adhesion. The application of the acid-based cleaner shall be followed with a water rinse. Next, a conversion coating shall be applied to the body to enhance paint adhesion and to prevent corrosion. The body shall be rinsed with de-ionized water to prevent salts from accumulating on the surface. The body will, then, be baked dry prior to the application of Sikkens sealer/primer. Again, all module doors, though handled separately from the body, shall undergo the same process as described above.

1.4.8.2 PAINT

Immediately after application of the sealer/primer the manufacturer shall apply a finish color coat of Sikkens BTLV 650 paint. The color coat is to be immediately followed by a clear coat. Once all coats are applied the unit is to be baked dry. This base coat/clear coat 'wet on wet' process is required over any other proposed process. Processes not meeting these specific requirements must be explained thoroughly within the bid.

1.4.8.3 POST-PAINT PROCESS

Following the drying of all paint coats the unit is to be thoroughly inspected as noted above. The unit is to be polished and any blemishes repaired. All paint lines must be sanded and cleaned.

1.4.8.4 PAINT MANUFACTURER'S INSPECTIONS



The manufacturer shall maintain an outside paint audit system. As part of that audit the paint manufacturer shall regularly receive and test sample paint panels that are painted along with module bodies. The paint manufacturer shall also provide regular onsite inspections of the vehicle manufacturers paint process to assure a consistent level of quality. Audit reports from these inspections shall be provided to management.

1.4.8.5 ADDITIONAL CORROSION PREVENTION MEASURES

All locations where fasteners penetrate the outer skin of the module body shall be coated with ECK anti-corrosion agent. In addition, all fasteners that penetrate the outer skin of the module body shall be treated with an anti-corrosion agent to assure the maximum protection against vehicle corrosion and electrolysis.

1.4.8.6 NON-METALLIC HOLE INSERTS

All locations where light heads and fenders attach to the aluminum body shall utilize threaded Nylon inserts to isolate the fasteners from the aluminum module body skin and structure. This practice, along with the other measures described above, shall act to minimize the threat of electrolysis.

1.4.8.7 PAINT WARRANTY

The paint warranty provided by the converter must meet all warranty standards as set forth elsewhere within this specification. Bidder must submit a manufacturer's paint warranty certificate.

1.4.8.8 CHASSIS PAINT COLOR

The OEM chassis manufacturer's bright white paint shall be ordered on the chassis.

1.4.8.9 BODY PAINT COLOR

The final paint application to the vehicle body shall be made with Sikkens Autocryl acrylic urethane paint.

- Color: White
- Number: FLNA4002

1.4.9 CABINET DOORS, PLEXIGLAS, HANDLES AND HARDWARE

Information relative to interior door materials, handles, and hardware is provided below:

1.4.9.1 HANDLES FOR PLEXIGLAS DOORS



All interior sliding Plexglas doors are to include extruded pull handles.

1.4.9.2 LATCHES FOR HINGED DOORS:

The hinged doors within the patient compartment are to utilize Southco Stainless Steel flush-style latches as noted below. These latches shall feature recessed pull ring style handles. The latches shall be both positive (mechanical latching) and passive (latches automatically).

- LOCKING
- NON-LOCKING
 - Note: Locking latch locations are to be noted on the drawings.

1.4.9.3 PLEXIGLAS COLOR

The Plexiglas interior cabinet doors shall be a light gray tint.

1.4.10 INHALATION PANEL

To prevent contamination of the inhalation panel the panel shall be fabricated using no wood or wood based products. The material used shall be an aluminum composite material. This material shall not absorb liquids and shall not attract bacteria, molds or fungi. The material is to be covered with Formica material in a color matching that required within this document.

1.4.11 INTERIOR COLORS, UPHOLSTERY AND SEATING

The patient area interior design is specified below:

1.4.11.1 INTERIOR COLOR SCHEME

The patient area interior shall feature the materials and colors listed below.

- Floor: LONCOIN FLECKSTONE BLACK ONYX TS
- Riser: WILSONART INDIGO #D379
- Wall: WILSONART DESIGNER WHITE #D354
- Cabinet: FASHION GRAY PAINT
- Counters: SOLID SURFACE MIDNIGHT PEARL
- Upholstery: COBALT BLUE
- Accent stripe: WILSONART BRITTANY BLUE #D321 –
REAR ENTRY DOORS WILL NOT HAVE
ACCENT STRIPES DUE TO 3-PIECE PANELS



1.4.11.2 SOLID SURFACE COUNTERTOP

The patient area countertop(s) shall be constructed of solid surface material. The countertops shall incorporate a 1" radiused retention lip around the perimeter of the material. This radiused corner shall also be tapered to avoid any sharp edges. A radius cove molding shall be installed at either end of the countertops where the material meets the cabinet wall. The rear edge of the material, adjoining the side wall of the vehicle, shall be sealed with silicone. In addition, any and all areas that require seams due to manufacturing processes shall be sealed with silicone. This material shall be uniform throughout so that scratches can be buffed out without causing adverse effects on the appearance of the material. The Avonite color required is noted below:

- Color: Midnight Pearl

1.4.11.3 SPECIAL INSTRUCTION: DOORS, HANDLES & HARDWARE

- Fabricate and install a storage pocket in the side entry door. Pocket to be diamond plate and to be divided into (4) equal sections.
- Pocket depth to be: 6"
- Recess pocket into side entry panel

1.4.11.4 INTERIOR STORAGE AREAS

All interior storage cabinets, including the interior of the squad bench, shall be painted for ease of cleaning. Under no circumstances shall carpet be used within these storage cabinets as it is impossible to decontaminate. The paint color is listed within the "Interior Color" section of this specification. The paint shall be treated with an antimicrobial agent.

1.4.11.5 RISERS

The interior of this vehicle shall be constructed without the use of wood or wood-based products. The risers shall be constructed of a reinforced structural composite consisting of a high density polypropylene core laminated between two layers of .024" aluminum skin. The composite shall then be covered by a Formica laminate to match the interior of the vehicle. The finished riser panels shall be impervious to water or other forms of moisture and must be guaranteed against rotting or decomposition.

Formica laminate will be installed on composite risers.

1.4.11.6 ATTENDANT SEAT



The EVS bucket type seat with a built-in child safety seat described above shall be installed on a swivel seat base. The seat shall be upholstered to match the vehicle interior, and shall be capable of adjustment from front to rear. An occupant restraint shall be installed at this location for the occupant of this seat.

1.4.11.7 SEAT BELTS

Each seating position shall include a 4pt seat belt. Each belt shall include a 4 retractor system to allow all four belts to be fully retractable. Each belt shall also include quick one click design to ease their use. The belt at each position is to be outfitted with a removable vest designed to guide the belt into the proper position, prevent the buckle from moving up or down and side to side, and offer better support and comfort to the seat occupant.

1.4.12 CABINETS AND STORAGE AREAS

1.4.12.1 ALUMINUM INTERIOR CABINETS, STREET SIDE

This specification requires an all-aluminum modular cabinet design. Aluminum, a minimum of .063" thickness, is required over wooden cabinetry due to its lighter weight, greater durability, and the ease with which it can be decontaminated. The main cabinet wall shall be of modular construction. All individual cabinets shall be of welded construction. To insure the safety of patients and attendants in the rear of the vehicle, the main cabinet wall installation shall have been tested to a minimum frontal impact of 30 G's per the requirements of the Safety Certification section of this specification. The main cabinet wall may not be constructed of any wood or wood product. Wooden cabinetry can warp, expand, contract, splinter, separate, or crack. Wood will also harbor bloodborne pathogens whereas aluminum can be easily cleaned. Aluminum will remain stable and securely mounted (no fibers to compress) over many years and miles of continuous service. For these reasons, wooden cabinets, even when laminated with another material, will not be acceptable.

1.4.12.2 CABINET TRIM

The interior of the ambulance module shall have radius corner extrusions. The radius shall be a minimum of one and a half inches. The radius trim shall also include a removable cap that can be field replaced if damage occurs.

1.4.12.3 INTERIOR CABINETRY, STREET SIDE

All of the aluminum cabinetry within the vehicle shall be of welded construction. Methods of cabinet construction that utilize rivets or adhesives of any type will not be considered.

1.4.12.4 ALUMINUM CABINET WARRANTY



The all-aluminum cabinet construction, as described within this section, shall be warranted against any structural defects for a period of time not less than 20 years. This warranty shall be stated within the manufacturer's structural warranty document, and shall not be subject to any mileage limitations.

1.4.12.5 STREET SIDE CABINET WALL

The street side main cabinet wall shall be constructed from aluminum as described above. Each cabinet within the cabinet wall shall be designed and constructed as an individual welded aluminum box. Each box shall be insulated and soundproofed. The boxes shall then be bolted together to form the main cabinet wall. This design will allow for future modifications to the cabinetry should equipment storage requirements be updated. The cabinet wall assembly shall be further insulated against noise and temperature extremes. The entire assembly shall be bolted to the module body structure. Cabinets that are welded or otherwise permanently affixed to the module body structure will be unacceptable. Such permanent installation methods limit the ability to make design updates at a later time. They also increase the time and cost involved with regard to remounting the body onto a new chassis should that occasion ever arise. Likewise, cabinets mounted with the use of either rivets or adhesives of any kind will not be considered without exception.

- CABINET WALL DESIGN:
 - Configure: custom cabinet wall
 - CPR seat to be 30" wide and extended rearward.
 - Locate CPR area as far rearward as possible
 - (1) red bin for upper main wall

1.4.12.6 CABINET SHELVING

All interior cabinet shelves shall be fabricated from aluminum. The shelves shall utilize mini Unistrut adjustable shelf track.

- Quantity: (5)
- Locate: One in each interior cabinet

1.4.12.7 TESTING AND STRUCTURAL INTEGRITY

The cabinet wall design and construction methods described within this specification shall have been subjected to safety test or Hygee sled testing as described within the "Safety Certification" section of this document. This testing shall have been performed to a minimum of 30 G's. This testing is in addition to all other testing, whether mandated or voluntary, that has been performed. The cabinet wall shall not be, in any way, responsible for any portion of the module body's structural integrity. However, the cabinet wall, as well as the methods and materials used to attach the wall to the vehicle, must be structurally sound in the unlikely event that this vehicle is



involved in an accident. This testing is required as an added assurance that the vehicle interior is crash-stable and safe for all vehicle occupants.

1.4.12.8 CPR SEAT HEAD PROTECTION

The progressive resistance head protection cushions shall incorporate layers of foam of increasing densities. Should a head strike occur, then the increasing density of the cushion as the impact progresses shall lessen the likelihood that the head will reach the aluminum cabinet material behind the cushions. It should be noted that standard single density foam cushions will not meet the requirements of this section. The bidder must have performed both actual impact tests as well as computer simulations in order to test the efficacy of this material in reducing head strike intensities to a survivable rate.

1.4.12.9 RESTOCKING CABINET FRAMES, STREETSIDE

The street side cabinet(s) listed below shall feature sliding Plexiglas doors that hinge upward for cleaning and restocking of the cabinet in addition to the normal sliding mode of operation. The extruded door frame shall be installed at the top with a full length piano hinge. This will allow the entire frame to flip upwards providing complete access to the cabinet. The door and frame shall be held in the "up" position with two gas-charged cylinders, and in the down position with two sliding dead bolt type latches. The remainder of the door construction shall adhere to the appropriate section of this specification.

- Locate: Cabinet over the inhalation area and upper rear main wall cabinet.

1.4.12.10 CPR SEAT STORAGE

The CPR seat cushion shall be hinged upward to allow for access to the area beneath it. This area shall provide miscellaneous storage. The storage area shall be fabricated with aluminum diamond plate and shall be as large as is possible given the location of the exterior compartmentation and wheel house.

1.4.12.11 INSIDE/OUTSIDE ACCESS

An inside/outside dual access storage area shall be provided as indicated below. This area shall be accessible through both an exterior compartment door, and an interior cabinet door.

- Door type: install (2) Plexiglas doors that allow access to the street side rear compartment.
- Bottom of opening to 24" above the module floor.



1.4.12.12 INTERIOR CABINETS, CURB SIDE

All of the cabinets located within this section shall meet the same standards for construction, design, materials, and testing as designated in the previous section.

1.4.12.13 SQUAD BENCH STORAGE

A storage area, fabricated from .125" 5052-H32 aluminum, shall be installed beneath the squad bench cushions. This storage area shall be painted and trimmed per the cabinet construction section of this specification. Access to this area shall be gained by raising the bench cushion. This area shall be as large as possible given the presence of the wheelhouse directly beneath this area. Note that storage areas made of wood, whether or not they are laminated or otherwise covered with another material, will not be acceptable.

1.4.12.13.1 BENCH HEAD END

The following bench restraint shall be installed at the head end of the squad bench.

1.4.12.13.2 BENCH HOLD OPEN

24lb. Gas piston style hold-open devices shall be installed on the flip-up squad bench cushion. These devices will provide for smooth and simple operation. For that reason substitute hold-open devices, such as ratchet style devices, will not be acceptable.

1.4.12.13.3 BENCH HOLD DOWN

Paddle style latches shall be installed on each flip-up bench cushion to hold the cushions in the 'closed' position. The operation of these latches shall be passive and shall require intentional unlatching in order to raise the squad bench cushion. Each latch is to be flush mounted in the face of the squad bench riser.

1.4.12.13.4 SQUAD BENCH EDGE PROTECTION

An aluminum angled trim piece shall be installed along the bottom edge of each bench cushion. Each piece shall be bent to follow the contour of each cushion on the horizontal plane. These trim pieces shall provide added protection for the upholstery against extensive wear.

1.4.12.13.5 BENCH BACKREST

A full backrest cushion shall be installed on the wall over the squad bench. The cushion is to extend the full width of the squad bench and shall be trimmed to



match the interior of the vehicle. The upholstery shall be as described in the upholstery section of this document.

1.4.12.14 BENCH WALL DRAWER

A drawer shall be installed on Heavy Duty Accuride slides on the bench wall as noted below. This drawer is to be .063" 5052-H32 welded aluminum. All welds are to be continuous. The drawer shall include a Southco latch to hold it in the 'closed' position.

- Quantity: (1)
- Locate: upper portion of crash barrier compartment, aisle facing.

1.4.12.15 SHARPS/WASTE DISPOSAL

An aluminum drawer shall be installed in the face of the squad bench per the instructions listed below. This drawer will house a sharps/waste disposal location. Both the sharps and the waste containers shall be easily removable from the drawer. The drawer will include a Southco latching device to hold it in the 'closed' position.

- Locate: Head of bench to open into the aisle. Size drawer as tall as possible and include a #8970 Sharps Container only, no waste. Include a Southco Locking Lever latch in drawer face. Install using large HD Accuride slides. All slide mounting bolts to include ESNA nuts.

1.4.12.16 BENCH CEILING CABINET

A cabinet shall be installed at ceiling level over the full length of the squad bench. This cabinet is to be fabricated from .063" 5052-H32 welded aluminum. The interior of the cabinet shall be painted per the cabinet construction description listed elsewhere within this specification. The cabinet is to be accessed through hinged Plexiglas doors that are held in the 'open' position by gas piston hold-open devices. This cabinet is to be a maximum of 9" H to allow enough clearance between the bottom of the cabinet and the top of the seat below to meet KKK-F requirements.

- Cabinet to be 13" h (In lieu of standard) due to 76" headroom.
- Note: angled max cool unit located forward end (QH29MX00) and the o2 outlet rear of the max cool.

1.4.12.17 CABINET DIVIDER

A cabinet divider shall be installed as noted below. The divider is to be fabricated out of aluminum and shall be painted to match the cabinet interior.

- Locate: Center of bench overhead cabinet



1.4.12.18 SPECIAL INSTRUCTION, CURBSIDE CABINETRY

- Install an aisle facing interior cabinet on the upper rear bench wall Size: approx. 21.25"w x 9.5"h x 16"d (i.d.)
- Cabinet will extend into the rear compartment. Size height to allow 77" below the cabinet for backboard storage. Verify width will accommodate radius trim on the bench side
- Include a hinge-up Plexiglas door with venting. Door to have a gas hold open.

1.4.12.19 ALUMINUM INTERIOR CABINETS, FORWARD WALL

Like all other cabinets in the patient area that are to be fabricated and installed by the manufacturer, the cabinets on the forward wall are to be fabricated from aluminum as dictated in the appropriate section above. Again, failure of the bidder to meet the criteria established within this specification with regard to cabinet design, construction, materials, and testing will be cause for rejection of the bid as being non-responsive.

1.4.12.20 CROSSOVER CABINET

An aluminum crossover cabinet shall be installed above the walkthrough/pass-through area at the forward end of the patient compartment. This cabinet shall include a solid hinged door.

Size depth as slim as possible to reduce interference when entering through side door. Pad all exposed surfaces. Include a gas cylinder hold open.

1.4.13 MODULAR BODY FRONT WALL SPECIAL INSTRUCTION

- Install a double door walk-through door assembly. Includes two side hinged-doors. Right door to open 180 degrees.
- Include a Southco pull-ring latch on the top inboard corner of each door to latch the doors closed.
- Install a slide-bolt latch on the top and bottom of each door on the chassis side to lock the doors in the closed position.
- Include straps with button snaps to hold the doors to the walls when in the open position.

1.4.14 MODULE INTERIOR ACCESSORIES AND TRIM

The following section addresses interior accessories and trim features. All installation locations, as noted below, shall be strictly adhered to by the bidder. The items in this section will directly influence the quality of care given to the patient, as well as the safety



of the attendants. For these reasons the installation locations listed below must be met without exception.

1.4.14.1 IV HOOKS

Cast Products recessed swing-down IV hangers shall be installed per the instructions listed below. These hangers are to be near flush mounted into the patient area ceiling to reduce their interference with the walkway when not in use. The arms of each hanger shall be rubberized so as to reduce the possibility of injury that may occur if contact is made with them. This style IV hanger shall be sufficient to meet Federal KKK-1822-E.

- Quantity: 2
- Locate: Mid body over squad bench
- Locate: Mid body over cot

1.4.14.2 ANTI-MICROBIAL COATED COT CEILING GRAB RAIL

A grab rail shall be installed in the ceiling as noted below. This rail is to be constructed of stainless steel. Integral stanchions shall be welded into place at fixed points along the length of the rail for attachment to the ceiling. The rail shall attach through aluminum mounting plates that are welded to the module roof structure for strength and durability. Because contamination occurs most often as a result of contact, this feature must be treated with an anti-microbial agent consisting of an inorganic ceramic coating embedded with silver ions. This coating shall be effective against a broad range of microbes including bacteria, molds, algae and fungi.

- Split Rails For Cot: Two 2' sections
- Locate: Each side of CPR seat over cot

1.4.14.3 ANTI-MICROBIAL COATED BENCH CEILING GRAB RAIL

A grab rail shall be installed in the ceiling as noted below. This rail is to be constructed of stainless steel. Integral stanchions shall be welded into place at fixed points along the length of the rail for attachment to the ceiling. The rail shall attach through aluminum mounting plates that are welded to the module roof structure for strength and durability. Because contamination occurs most often as a result of contact, this feature must be treated with an anti-microbial agent consisting of an inorganic ceramic coating embedded with silver ions. This coating shall be effective against a broad range of microbes including bacteria, molds, algae and fungi.

- Size: 6'
- Locate: Over aisle edge of bench cushions.



1.4.14.4 PATIENT AREA DOOR GRAB RAILS

Angled door handles shall be installed on the interior door panels of each access door. The handles shall be one-piece and shall be constructed of stainless steel. The handles shall feature smooth radius corners and flange mounts at each attachment point. Because contamination occurs most often as a result of contact, this feature must be treated with an anti-microbial agent consisting of an inorganic ceramic coating embedded with silver ions. This coating shall be effective against a broad range of microbes including bacteria, molds, algae and fungi.

1.4.14.5 COVE MOLDING

A radius cove molding shall be installed at all areas of the floor that may have seams.

1.4.14.6 PROTECTIVE EDGE TRIM

The 90 degree edges of the squad bench, the attendant seat riser, and the front wall cabinet shall be protected by a chamfered trim angle.

1.4.14.7 CEILING

The patient area ceiling shall be constructed of a bright white Alcopla aluminum composite material consisting of a polyethylene core laminated between two sheets of coated aluminum. The headliner shall be smooth, impervious to moisture, easy to clean and durable. It shall have the same rate of expansion and contraction as the aluminum body. Headliner that is padded or upholstered in any way will not be considered, nor will any headliner made of wood or wood products due to the lower degree of durability and the risk of contamination inherent in such materials. Plastic, fiberglass or ABS headliner material is not acceptable due to the cracking commonly causing by the differing rates of expansion. Lastly, the headliner material shall be treated with an antimicrobial agent. The bidder, at the request of the City, may be required to submit proof of the application along with a detailed description of the agent used and the types of organisms that it effects.

1.4.14.8 FIRE EXTINGUISHER

Two (2) 5# ABC fire extinguishers, with mounting brackets, shall be supplied on the completed vehicle per the notations below.

- Quantity: (2)
- Note: Ship Loose

1.4.14.9 PATIENT AREA RADIO SPEAKERS



Two (2) speakers shall be installed in the patient area. The speakers shall include a volume switch that is integral to the rear action area switch panel. The volume shall be controlled by individual up/down switches of the type described in the electrical section of this specification.

- Speaker Location: Over rear doors

1.4.14.10 COT MOUNTS AND ACCESSORIES

The following cot mounting hardware shall be installed per the instructions listed below. The installation shall meet the hardware manufacturer's installation guidelines. In addition, the installation process shall have been subjected to safety testing or Hygee sled testing as outlined elsewhere within this document.

1.4.14.10.1 COT MOUNT

The bidder shall supply and install a Stryker Power Load system in the completed vehicle.

1.4.14.10.2 COT

One (1) new cot shall be provided complete with mattress and straps as noted below. The cot shall be installed in the vehicle and shall be properly adjusted for use.

- Stryker Power Pro #6506 Power Pro XT Ambulance cot
- 700-lb weight capacity
- 36 inch load height
- Dual Wheel Lock
- Settable load height w/ jog function
- SMRT Battery Pak (includes charger and 2 SMRT batteries)
- Automatic in-cot fastener shut-off bracket
- Automatic high speed retract (2.4 seconds)
- Preventative maintenance hour meter
- G Rated Mattress and Restraints
- 3 year parts, labor, and travel on X-Frame components & Hydraulics
- 3 year limited power train warranty
- 2-year parts/labor/travel warranty-Electronics
- 1-year parts/labor/travel warranty (including mattress and restraints)

Lifetime Warranty on All Welds.



- 6085-046-000 Retractable Head Section 02 Holder
- 6500-215-000 3-Stage IV Pole (patient right)
- 6500-147-000 Equipment Hook
- 6500-130-000 Backrest Storage Pouches
- 6500-128-000 Flat Head End Storage Pouch
- 6506-040-000 XPS (expandable patient surface)
- 6506-127-000 Power-Load Compatibility Kit

1.4.15 LIGHTBARS

1.4.15.1 FRONT LIGHT BAR MOUNTING

The light bar specified above shall be installed per the instructions listed below. The light bar model is also provided for clarification purposes.

- Light Bar Location: Cab roof with Permanent Mount
- Light Bar Model: Whelen Freedom IV

1.4.15.2 FRONT LIGHT BAR

The light bar, as described below, shall be provided per the information listed below. Installation of this light bar on the vehicle shall follow the instructions given under the "Light Bar Mounting" section of this specification.

- Quantity: (1)
- Model: whelen freedom iv bar 55.00" led light bar with clear lens
- Configure: red/white/red/white/red/red/white/red/white/red

1.4.16 ELECTRICAL EMERGENCY VISUAL WARNING SYSTEMS

Warning lights are to be installed per the following instructions:

- Flashing sequence for led lighting
- Lights: program all warning lights for fast random pattern at the light heads.
- Cancel white lights in secondary.
- All warning lights to stay active in secondary.

1.4.16.1 HEADLIGHT FLASHER



The vehicle headlights shall alternately flash through the activation of the appropriate switch on the cab control console. This feature shall be accomplished through a solid state flashing device that is a part of the primary electrical control board.

A programmable phase control shall be built into the system board to allow alteration of the light flashing sequence. The flash pattern must be capable of being switched from an alternating pattern to a pulsating pattern.

The phase of "on" time can be programmed to flash when desired for an effective light pattern. For instance: If the left grill light is flashing "on", the right flashing headlight is desired to be "on".

Different flash patterns may be achieved through programming.

1.4.16.2 L.E.D. LIGHTING

- Whelen M6 Series red/white side/side split L.E.D. lighting shall be installed per the quantity and location requirements listed below. All lighting is to include the optional chrome flange. Clear lens is standard for split color light heads.
 - Quantity: (2)
 - Location: above module wheel wells - reds forward
 - Lens: clear
- Whelen M9 Series red L.E.D. lighting shall be installed per the quantity and location requirements listed below. All lighting is to include the optional chrome flange.
 - Quantity: (10)
 - Location: (2) front face, upper outboard corners
 - (2) streetside
 - (2) curbside
 - (2) rear face of body, upper outboard corners
 - (2) rear face of body, window level
 - Lens color: clear
- Whelen M7 Series white L.E.D. lighting shall be installed per the quantity and location requirements listed below. All lighting is to include the optional chrome flange.
 - Quantity: (1)
 - Location: install on the front face condensor with a fabricated bracket.
- Whelen M7 Series red/white side/side split L.E.D. lighting shall be installed per the quantity and location requirements listed below. All lighting is to include the



optional chrome flange. Clear lens is standard for split color light color light heads.

- Quantity: (4)
 - Location: (2) chassis grille - reds outboard
 - (2) chassis intersection lights - reds forward
 - Lens: clear
- Whelen M7 Series amber L.E.D. lighting shall be installed per the quantity and location requirements listed below. All lighting is to include the optional chrome flange.
 - Quantity: (1)
 - Location: centered above rear entry doors
 - Lens color: clear

1.4.17 AUDIBLE EMERGENCY WARNING SYSTEMS

The following audible emergency warning features shall be installed on the vehicle:

1.4.17.1 AIR HORNS

- One pair of 25" Grover Stuttertone air horns shall be installed and activated per the information provided below by the chassis O.E.M.
- Trumpet Location: One on each side of the hood
- Switch Location: Steering wheel and passenger's side of dash
- Activation: OEM Includes driver and passenger side OEM lanyards.

1.4.17.2 SIREN

- The vehicle manufacturer shall supply and install a Whelen WS295HFSC1 siren as noted below.
- Siren Location: Cab Radio Console
- Quantity: (1)

1.4.17.3 SIREN INSTALLATION

- The electronic siren specified above shall be installed in the designated location and wired for operation through the speakers noted below.
- Locate: Center overhead console

1.4.17.4 SIREN SPEAKERS



- Cast Products #SA3805 speakers shall be installed on the chassis per the instructions listed below. The speakers shall be wired for operation through the siren listed above.
- Quantity: (2)
- Locate: Bumper mounted

1.4.17.5 SIREN SPEAKER INSTALLATION

- The siren speakers specified above shall be bumper mounted and wired for operation.

1.4.17.6 WHELEN HOWLER

- Install (1) Whelen Howler Low Frequency Tone Siren

1.4.18 LIGHTING

1.4.18.1 SIDE BODY RUNNING LIGHTS

- One Whelen M6 Series L.E.D. light with a red lens and a chrome flange shall be installed on each side of the vehicle towards the rear of the body. These lights shall function as both running lights and turn signals.
- Program to flash with the warning lights. Turn signals to override

1.4.18.2 EXTERIOR COMPARTMENT LIGHTING

- The compartment lighting for the exterior compartments noted above shall consist of LED lighting strips. Strips of LED lights shall be installed on each side of the compartment opening on the inside of the door jamb and shall direct the light back into the compartment. These light strips shall fit securely into clips installed in this location. These strips shall be semi rigid. Please note that rope lighting is not an acceptable alternative to this requirement.

1.4.18.3 ICC MARKER LIGHTS

- The required ICC marker lights for this vehicle are to be LED. Bidder should note that some light bars have ICC lights already installed. In that case those lights shall be installed in lieu of the lights described here unless denoted within this document.
- Front center icc lights are located on the chassis roof.



1.4.18.4 M9 SERIES LED SCENE LIGHT

- Whelen M9 Series LED Scene Lights shall be installed in the quantity and locations noted below. Each light shall include the optional chrome flange. These lights shall be activated by right and left side switches located within the front electrical control console. Additional means of activation, if any, are listed in the electrical section of these specifications.
- Quantity: (4)
- Locate: (2) Per body side per drawing

1.4.18.5 LOAD LIGHTS

- Whelen M7 Series LED Scene Lights shall be installed in the quantity and locations noted below. Each light shall include the optional chrome flange. These lights shall be activated when the rear doors are opened, and by a switch located within the front electrical control console. Additional means of activation, if any, are listed in the electrical section of these specifications.
- Quantity: (2)
- Locate: Above rear Entry Doors

1.4.18.6 TAIL LIGHTS

- Whelen M6 Series L.E.D. tail/brake, back-up, and turn signal lights shall be installed on the rear of the module body per the instructions listed below. All six of these lighting assemblies shall include the optional chrome flange. The tail/brake and turn signals shall be L.E.D. style lights. The back-up light shall be halogen.
- Locate: Turn arrows above the riser, brake/tails and reverse lights in the rear riser.

1.4.19 ELECTRICAL POWER GROUP

The vehicle electrical system is extremely important to the City. The requirements for the onboard electrical system are noted in detail below. The bidder's electrical system, should it deviate in any way from that which is specified, shall be explained in great detail. This explanation shall present facts relative to the bidder's system only. The bidder shall not draw any comparisons between the electrical system being offered, and the system being specified. Any comparisons or decisions regarding one system versus another will be made solely by the City and shall be based entirely on the written description as provided



by the bidder at the time the proposal is submitted. All decisions made by the City as to the merits of one system over another will be final and will not be subject to discussion, either verbal or written, at any point.

1.4.19.1 ELECTRICAL CONTROL SYSTEM STANDARDS

The electrical control system must meet all current ambulance design standards to include, KKK 1822, NFPA 1917 and AMD. A system is desired that is easy to use, simple in design and allows electrical problem diagnosis and repair time to be minimized. The electrical system must be thoroughly engineered and manufactured to allow simple personnel operation. Finally, the system must be designed so that the probability of experiencing dead batteries, shorted electrical components and engaging in lengthy troubleshooting procedures will be reduced. In some cases the electrical output provided by the chassis charging system can be marginal and under certain circumstances the electrical load can exceed the alternator output. In addition, some electrical systems have not provided proper circuit protection and at times have not provided adequate wiring for the load. To address the above objectives, the following minimum electrical system design is required:

1.4.19.1.1 CONVERTER ADDED CHASSIS CHARGING ENHANCEMENT

The basic design for the chassis electrical output system must include equipment that provides adequate electrical needs to operate the vehicle's electrical components. In addition, a system is desired that continually monitors the chassis voltage and amperage outputs. The end result of the desired electrical output system is longer battery life, less down time associated with charging system repairs, and the fulfillment of each and every emergency response.

1.4.19.1.2 BATTERY SELECTOR SWITCH

A two-position power selector, turning the battery power to the ambulance systems either On or Off shall be furnished. The switch shall be located on or near the driver's seat base. Unless otherwise specified, the battery switch shall not disconnect power to the OEM chassis systems.

Note: certain chassis are permitted from disconnecting chassis power with this switch.

1.4.19.1.3 AUTOMATIC THROTTLE ADVANCE

In order to reduce the number of component parts and unnecessary throttle linkages, the factory electronic throttle control shall be utilized to activate the throttle advance system. The controls shall require that the chassis be placed in Park or Neutral with the Module Disconnect switch in the On position and the



Park Brake engaged before activation of the throttle advance. A digital display warning on the driver console, accompanied by an audible tone, must instruct the driver to Set Park Brake or Release Park Brake to engage or disengage the automatic throttle control. No Exceptions.

1.4.19.2 AUTOMATIC LOAD MANAGEMENT

In order to insure that onboard personnel attention is focused on victim care rather than being occupied with monitoring vehicle systems, an automatic load management system is required. The bidder must provide a system that continually monitors the vehicles charging system while it is sitting on scene.

The system design shall have the ability to automatically shut down not less than ten pre-programmed electrical circuits to prevent a deficit charging condition while the vehicle is sitting at idle.

The system shall be programmed to constantly scan the electrical system. If a deficit charging condition continues for more than one minute, a pre-programmed circuit shall shut down, correspondingly reducing the electrical draw. If the deficit condition continues, a second circuit shall automatically shut down. This process shall continue to repeat at one-minute intervals until at least ten circuits are shut down with corresponding load reductions. In the event any circuits are being controlled (disabled) by the load management system, the driver must be informed in two ways. First, a digital display warning shall appear on the driver information panel indicating Load Management Active. At the same time, the L.E.D. switch indicator light shall begin to flash for each specific circuit that is being disabled.

Systems that cannot indicate specific circuits being affected by the Load Management System are not acceptable. Load management systems must be programmed through a microprocessor based logic and memory system rather than a series of mechanical relays.

Systems that require manual activation of Load Management will not be acceptable. Once the deficit condition ceases to exist, the system must be capable of restarting any disabled circuit without any action required by the driver. The bidder is required to furnish a system that permits the end user, if he so desires, to determine prior to production the order of priority for shedding loads. Although the entire system must function automatically, it must also be designed so that it can be set by the end user to a mode for restocking, training, or maintenance convenience.

The System Off setting shall not be merely a switch which would permit the operator to easily turn off Load Management. The intent is to keep the system active at all times when the vehicle is in operation.

1.4.19.3 LOW AMPERAGE SWITCHING



Electrical devices that are not activated automatically shall be controlled from either the cab or patient area control panels through the use of manual switches. A low amperage switch that sends only an on/off signal to the central electrical distribution area is required. The switches provided shall have documented durability ratings at a minimum of fifty million (50,000,000) cycles. The switch design shall include magnetic technology to attain the required durability ratings. Switches that are rocker style will not be acceptable due to their tendency to degrade and fail in continued field use. To eliminate loose or poor contacts, it is unacceptable to have soldered or terminal type connections for the switches. The switches must be an inherent part of the panels.

1.4.19.4 SWITCH "ON" INDICATOR LIGHT

All switches (unless otherwise noted) on the panels described below shall include a red L.E.D. indicator light that will indicate when power is being applied to a circuit. Designs that have indicator lights that activate to indicate switch position only are not acceptable. In addition, the indicator lights shall be independently programmable to flash or steady burn as required to meet the end user specification.

1.4.19.5 SWITCH PANEL DESIGN

Both the driver and the patient area switch panels must be designed so they can be easily decontaminated. Current designs make decontamination impossible when an attendant must use a contaminated glove to operate the switch panel while treating a patient. These areas become breeding grounds for bacteria. For this reason, the switch panels must be built in such a manner that there are no openings or crevices on the panel faces. The entire switch panel must be sealed with a protective overlay material. There shall be no printing or labeling on the face of this material. Holes in the panel through which switches, backlighting, or legends are inserted will be unacceptable. The panels must be cleanable with any commercially available spray type cleaner or disinfectant commonly used by EMS systems with no damage created by fluids leaking through openings onto the circuit boards or switch contacts.

The panel surface must be covered with a polyester film laminate for enhanced solvent resistance, strength, and durability. Both front and rear switch panels shall have been tested to at least a 24 hour exposure under DIN 42 115 Part 2 for the following commonly used chemicals: hydrogen peroxide <25%, bleach <20%, glycol, isopropanol, xylene, benzene, phosphoric acid <30%, ammonia <2%, hydrochloric acid <10%, acetic acid <50%, sulfuric acid <10%, diesel fuel, silicone oil, linseed oil, Windex, Formula 409, Fantastic, Wisk, Downey, washing powders, fabric conditioner, Ajax, and glycerin. The bidder shall be required, if asked, to provide the appropriate documentation showing that the above chemicals produced no visible damage after at least a 24 hour exposure. Bidders should be cautioned that commonly used polycarbonate or vinyl membrane fascia and nameplate substrates for electrical panels will not meet this requirement.



The panels shall be spill resistant to shed accidental moisture from spilled soft drinks or coffee cups. In addition, the surfaces of the panels shall be antimicrobial. This antimicrobial property is to be inherent in the surface material itself and shall not need to be reapplied at any point in the future. Products offered that include aftermarket treatments of the panel surfaces will not be considered.

1.4.19.6 SWITCH PANEL BACKLIGHTING

All switch perimeters shall be lighted and raised for ease of switch location at night. In addition, the control panels shall include a red color LED indicator -to further distinguish switch activation.

The switch panels shall include, on each panel, an individual intensity control. Switch panel lighting that operates at the same level as the cab instrument panel or that illuminates both the front and rear panels at the same intensity will not be considered. The bidder must provide totally independent control for each panel.

1.4.19.7 CAB CONTROL SWITCHING AND LCD DISPLAY

Switch Activation:

The cab control center shall include 8 critical buttons installed in protective enclosure with proper ventilation to maintain temperature. The following minimum circuits shall be provided on the switch panel:

- Module Disconnect
- Emergency Master
- Emergency
- Interior Lights
- Exterior Lights
- Home
- Apps
- Options

The following displays will appear on the Home screen of the cab console:

- Voltage (to the nearest 0.10 volt)
- Amperage (to the nearest amp)
- Outside Temperature
- Inside Patient Area Temperature
- Access or Compartment Door Open Warning Message and Display
- Electrical System Diagnostics
- 24 Hour Clock



- HVAC
- Emergency Brake Warning
- Accent Lighting and Backlighting Controls
- Patient Warning

1.4.19.8 PATIENT AREA CONTROL SWITCHES AND LCD DISPLAY

Switch Activation: Home

The patient area control center shall include 8 mission critical buttons installed in a backlight aluminum control panel. The following circuits shall be provided on the Home screen of the switch panel:

- Rear Heat/Ac Activation And Separate Temperature Control
- Rear Heat/AC Fan Speed Control
- Power Vent
- Interior Lights
- Oxygen and Suction
- Patient Status
- Stop Clock
- Oxygen Line Pressure
- Oxygen Cylinder Pressure
- Exterior Lights

Digital Message Center:

The following digital displays shall appear on the faceplate of the patient area control console when selected:

- Patient Area Temperature
- Thermostat Setting
- Oxygen Tank Pressure
- Oxygen Line pressure
- Oxygen Warning

1.4.19.9 MODULE COMPARTMENT AND ACCESS DOOR SWITCHES

Exterior circuits such as loading lights, side scene lights and compartment lights shall be activated by low amperage, non-mechanical switches. The type of switch desired is a magnetic sensitive switch that activates the circuit when the magnetic plane is broken. Plunger type switches are not acceptable because of their short useful life and higher amperage requirements.



1.4.19.10 DOOR OPEN INDICATOR

A vehicle graphic door open warning indicator, with accompanying audible chime shall be installed in both the cab and patient area. A digital display shall appear on both consoles indicating which specific door has been left ajar.

Under no circumstances will red flashing lights or systems that do not specifically pinpoint a specific open door be acceptable.

1.4.19.11 CENTRAL ELECTRICAL DISTRIBUTION AREA

The electrical system smart modules shall be independent and include their own logic. They must include RAM memory to execute commands without having to rely on a central CPU. The system must not be centered around the use of a logic-controlled microprocessor built into a single circuit board. This logic control system is required to maximize reliability of the electrical system and to minimize downtime. It must be provided in order to match the type of control system used in the chassis and to prevent communication problems caused when dissimilar systems are employed. The design of the system must totally separate chassis operation from converter feature installations. In the unlikely event of converter component failure, the chassis must still remain operable.

The computer based electrical system must utilize components similar in design to the computerized chassis functions such as the OEM cruise control system, fuel feed system, transmission control system and braking system.

1.4.19.12 MULTIPLEXED ELECTRICAL COMMUNICATIONS SYSTEM

Because most chassis manufacturers have chosen multiplex electrical communication technology to operate the chassis system, the City requires the same technology for the converter-added systems. A standardized electrical control and wiring system is required. The vehicle manufacturer must own and control all rights to the electrical system. Standard systems controlled by outside vendors and modified for a specific vehicle or manufacturer will not be acceptable due to the unpredictability for future parts or service. Switch panels or modules that are not standard in design and are not interchangeable from one unit to another will not be considered. Since solid state logic-controlled technology is commonly available and not proprietary to any one manufacturer and has been proven to be more reliable with greater benefits, a blanket exception or clarification regarding the electrical specification is not acceptable.

In addition, the system will consist of a series of input / output control modules to manage and feed information and to control the various circuits required by this specification. Each smart module must have 32 outputs and 10 inputs. The smart modules shall have a chassis gateway interface with a 120 amp max output. Mate-Lock connectors shall be used for all load connections. Molex connectors shall be used for data transmission lines. Under no circumstances will systems be acceptable



that utilize screw type terminals or card connectors due to their susceptibility to working loose due to vibration normally encountered on a vehicle.

Under no circumstances may the operation of the central processing unit or the input or output modules be based upon the operation of mechanical relays. Relay based systems require higher amperage operating current and rely on mechanical contact points designed to degrade with use, creating short duty cycles for the vehicle electrical system. Relay based systems, due to those limited short duty cycles, will not be acceptable for the requirements of this specification.

1.4.19.13 UNIT FUNCTION

The electrical control system shall be fully programmable and shall control a number of functions. The minimum functions to be controlled are as follows:

- No Load Starting Circuit (as defined in subsequent sections of this specification)
- Load Management
- Sequenced Start Circuit Activation
- Electrical System Diagnostics
- Climate Control Heat/AC operation
- Intensity Controls for Patient Dome Lights
- Oxygen Warning System (high and low pressure)
- All Warning Light Flashers and Flash Patterns
- Patient Status System
- Electrical Diagnostics

1.4.19.14 UNIT FUNCTION OPTIONS

The electrical control system shall be capable of adding the following options:

- Up to four cameras
- Emergency GPS
- Pulse width Modulation
- USB port for field upgradability
- Seat belt monitor display
- Remote system activation from a mobile device
- Record ambulance PM schedule

The electrical control system shall include the ability to manage user defined maintenance issues. It shall also allow for the notification of critical care issues such as oil changes and tire rotations.



1.4.19.15 CIRCUIT PROTECTION

Each converter added electrical circuit must have circuit protection for both over current limit and over temperature condition. The circuit protection shall be provided by solid-state circuit breaker/switching devices (MOSFETS) for both the input and output wire feeds for each circuit. The circuit protection shall require no user intervention such as that required for circuit breakers or fuses. The system shall be able to indicate an output fault warning.

1.4.19.16 FIELD PROVEN AND TIME TESTED ELECTRICAL SYSTEM

The converter-added electrical system represents the most important system in the design of this ambulance. Reliability and proven performance is essential. Therefore, the bidder must be able to demonstrate that they have at least ten years' experience with solid state logic-controlled electrical systems installed in emergency vehicles. Further, the bidder must be capable of all programming required by the system without turning to outside vendors. This includes custom-programmed items as may be delineated in this specification.

The bidder may be required to demonstrate an in production or in service vehicle in order to guarantee compliance with this requirement. Prototype or first of a kind electrical systems are not acceptable. The City may require the bidder to furnish specific references to further document compliance.

1.4.19.17 WIRING

The following minimum wiring standards are required:

- IDENTIFICATION
 - By color, by itemized number, and by actual circuit name, stamped every 4-6"
- SIZE
 - Size will vary and will be dependent upon each wire being able to carry a minimum of 125% of the actual circuit load.
- PROTECTION OF WIRING
 - All wiring must be run in breakaway wire loom for protection against abrasion or chafing.
 - Each converter-added circuit shall be powered through an individual wire that is free of any splices within the wire harness. For ease of troubleshooting and for greater reliability, one end of



the wire shall plug directly into the output module and the other end shall connect to the device or the pigtail of the device being powered.

- The use of daisy-chain wiring will not be acceptable. The direct wiring technique described above is the only wiring system that will be accepted.

1.4.19.18 ELECTRICAL SYSTEM DIAGNOSTIC CHECK

The electrical system shall have a built-in capability to self-check each converter-added circuit and identify a short or open circuit by means of a single diagnostic switch. The relevant information shall be displayed on the digital display preferable on the cab switch panel. When the operator activates the Run Diagnostic switch, the unit will initiate the systems check.

The system must go through all outputs for the vehicle to check for malfunctions. A message will direct the service staff to the correct output module and the correct wire number in order to troubleshoot and repair the system.

The bidder shall furnish with the vehicle a detailed diagram indicating each input and output module number and identifying each circuit controlled by the module.

1.4.19.19 ELECTRICAL SYSTEM SUPPORT DATA

Being able to service the electrical system should the need arise is of the utmost importance. To reduce the down time associated with servicing, the following information shall be provided at the time of delivery:

1. Electrical system operating instructions
2. Patient area heating/AC schematic and parts list
3. Oxygen and vacuum system schematic, parts list and leak check instructions
4. Battery and alternator schematic and system description
5. Radio communications installation instructions
6. Wire description list for converter added wiring
7. Individual schematics for all converter added electrical circuits

1.4.19.20 MODULE DISCONNECT DEFAULT

The 'Module Disconnect' circuit shall default to the "on" position when the battery switch is activated. Manual activation of the switch is not acceptable.

1.4.19.21 BATTERY SWITCH



A two position 'On-Off' "Master" battery switch shall be installed on the vehicle within easy reach of the driver. This switch shall control power to the converter-added electrical circuits. Items specified to be wired "Battery Hot" shall not be affected by the Master battery switch. Under no circumstances shall this switch control the chassis O.E.M circuitry. All chassis power (ignition, headlights, etc.) shall remain as designed by the chassis builder.

1.4.19.22 INVERTER INSTALLATION

The vehicle converter shall furnish and install an inverter as noted below:

1.4.19.23 INVERTER/CHARGER

The vehicle converter shall furnish and install a Vanner 20-1050CUL inverter/charger. The inverter shall be located as noted below and shall power each onboard electrical outlet. No switch for the inverter is necessary as the unit will function "On Demand." The "Charger" portion of this unit shall be wired to the vehicle shoreline circuit.

- Inverter Location: Street side intermediate #2 compartment

1.4.19.24 110V INTERIOR OUTLETS

Duplex 110V interior electrical outlets shall be installed. Quantity and location information is noted below. Each outlet shall be GFI protected and shall illuminate when powered.

- Quantity: (5)
- Locate:
 - (1) forward inhalation area next to cabinet
 - (1) wall over squad bench
 - (1) curbside wall above crash barrier
 - (2) upper curbside rear cabinet

1.4.19.25 12V OUTLETS

12 volt electrical outlets shall be installed within the vehicle. Quantity, location, and adapter type are provided below. All 12 volt outlets shall be protected by a Schottky medical isolator. In addition, the 12 volt outlets shall be wired through a 20 amp manual reset circuit breaker. All outlets, unless noted otherwise below, shall be battery switched. All 12 volt outlets shall be labeled.

- Adapter Type: Cigarette Lighter Style
- Quantity: (7)



- Locate:
 - (2) forward inhalation area (next to cabinet)
 - (1) curbside wall above crash barrier
 - (2) Passenger side of front radio console. Side-by-side, just above floor level.
 - (2) Upper curbside rear cabinet.
- Configure: battery hot

1.4.19.26 SHORELINE

The vehicle shall be equipped with a Kussmaul Super Auto Eject non-arcing shoreline. The male shoreline inlet shall be installed as noted below. This inlet shall be a straight three-prong type and shall include the female adapter plug. The shoreline shall be designed so that the plug will automatically eject from the inlet in the event that the vehicle is started while still plugged in. The shoreline shall include a hinged cover to protect it from the elements. The shoreline system shall be designed to handle a 20 amp load, and shall also include a 20 amp inline GFI breaker.

- Locate: Street Side of Module Body as Far Forward as Possible

1.4.19.27 SHORELINE INDICATOR

A small AC pilot indicator light shall be installed as noted below. The light shall be wired in after the applicable circuit breaker so as to indicate not only the presence of AC power, but the fact that the circuit breaker is in the closed position.

- Locate: Over Shoreline Inlet

1.4.19.28 EXTRA CIRCUIT BREAKER

A Spare 15 amp manual resetting circuit breaker shall be installed as a provision for the possible installation, at a later time, of additional equipment. This feature is in addition to any prewire that may be included elsewhere within this vehicle specification. The total number of spare breakers is listed below:

- Quantity 1

1.4.19.29 CAB SWITCH PANEL INSTALLATION

The cab control panel for the converter-added electrical circuits shall be flush mounted in the upper face of the cab console. The mounting surface shall be angled downward so that the LCD screen and switches are visible to both the driver and passenger positions.



1.4.19.30 REVERSE ACTIVATED REAR SIDE SCENE LIGHTS

The rear scene lights on either side of the vehicle shall be programmed to be activated when the vehicle is placed into reverse gear. This is in addition to the other modes of operation as described elsewhere within this document. This feature shall be attained through the programming of the onboard electrical system. Systems that require additional wiring in order to provide this feature are not acceptable.

1.4.19.31 SIDE DOOR ACTIVATED CURB SIDE SCENES

The curb side scene lighting shall be programmed to be activated when the patient compartment side access door is opened. This is in addition to the other modes of operation as described elsewhere within this document. This feature shall be attained through the programming of the onboard electrical system. Systems that require additional wiring in order to provide this feature are not acceptable.

1.4.19.32 REVERSE ACTIVATED LOADING LIGHTS

The load lighting on the rear of the vehicle shall be programmed to be activated when the vehicle is placed into reverse gear. This is in addition to the other modes of operation as described elsewhere within this document. This feature shall be attained through the programming of the onboard electrical system. Systems that require additional wiring in order to provide this feature are not acceptable.

1.4.19.33 HEADLIGHT CONTROLLED LIGHTING

The automatic illumination of compartment and load lighting shall only take place when the headlight circuit is activated and the corresponding door is in the open position. This feature shall be accomplished through programming of the onboard electrical system. Systems that require additional wiring in order to allow for this feature are not acceptable.

1.4.19.34 AUDIBLE LOW VOLTAGE ALARM

An audible alarm shall be programmed to warn the operator should the vehicle's voltage drop below 11.8 volts for 120 seconds.

1.4.19.35 EMERGENCY BRAKE WARNING

When the vehicle is placed into 'Park' or 'Neutral' with the "Module Disconnect" switch 'On' and the "Red Flashing Light" switch 'On', then an audible alarm, accompanied by a visual readout on the cab console digital display, shall warn the vehicle operator to engage the emergency brake. Likewise, when the vehicle is placed into gear, then the same alarm will sound with a visual display warning the operator to disengage the emergency brake.



1.4.19.36 REPORT LIGHT

Report lighting, as described below, shall be installed within the patient area. The fixture shall be LED. The fixture shall be controlled via a switch on the attendant control panel. This design will allow for simple "one touch" operation while still providing for flexibility in terms of lighting needs.

- Quantity: (1)
- Locate: inhalation area

1.4.19.37 CAB CEILING LIGHTS, COMBINATION WHITE/RED LED

One pair of LED cab ceiling lights shall be installed in the cab headliner. These lights are to feature both clear and red LEDs and can be operated via a switch mounted to the light. Light functions are to be 'OFF', 'CLEAR', and 'RED'.

- Manufacturer #e013 lights with chrome trim ring.

1.4.19.38 PATIENT AREA LIGHTS

The manufacturer shall install ROM Durolumen LED lighting in the patient area ceiling as noted below.

- Quantity: (2)
- Locate: patient ceiling

1.4.19.39 PROGRAMMABLE LIGHT TIMER

A momentary switch shall be installed as noted below to operate the specified lighting with the battery switch in the 'Off' position and the shoreline plugged in. The switch shall activate a programmable timer that will automatically shut the lights off after the specified period of time. This timer shall be field-programmable to allow the time to be adjusted after the vehicle has been delivered. The initial time setting shall be as follows:

- Locate: curbside forward wall above crash barrier.
- Lights controlled: rom ceiling lights set elapsed time for: 15 minutes

1.4.19.40 DOME LIGHTS

Weldon single filament halogen dome lights shall be installed in the patient area ceiling. Quantity and location information is listed below. The lights shall be recessed into the headliner and shall not protrude from the ceiling more than 1". Each light shall not draw more than three (3) amps at full intensity. All dome lighting shall be



infinitely adjustable and shall be controlled via solid state switching at the patient area electrical control console.

- Over Cot: 6
- Over walk/pass-through 1

1.4.19.41 HAND HELD SPOT LIGHT

An Optronics 400,000 CP hand-held spot light shall be installed in the cab area. The light shall include a momentary switch for activation. A bracket shall be included to hold the light when it is not in use. This bracket shall provide quick and simple access to the light. Retention designs that require two hands to remove the light for operation will not be acceptable.

- Locate: wire to pass-through the front of the console. Final mounting location TBD at delivery. Wire to be sufficient length to extend out of the cab window on either side.
- Prewire for future streamlight installation:
- Prewire shall be provided as noted below for future installation of Streamlight charger bases.
- Quantity: (4)
- Locate:
 - (1) in cab behind driver seat
 - (1) in cab behind passenger seat
 - (1) street side intermediate compartment, center of back Compartment wall. Include 36" service loop.
 - (1) In street side rear compartment, right wall. Include 36" service loop.

1.4.19.42 AUXILIARY BRAKE LIGHTING

The rear red flashing lights, as specified elsewhere within this document, shall be wired so that they illuminate when the brake pedal is depressed. This lighting is in addition to the specified brake/tail lights.

- Configure: Emergency lighting is to override this feature
- Special instruction, electrical & programming:
 - Install a federal littlite lf12es-led on the passenger side of the console.
- Special instruction, electrical & programming:
 - Install (1) whelen 3scodcr led with 3flange chrome surface mount



flange for the step well light.

- Locate: bench side of the step well.

1.4.19.43 HEATING AND AIR CONDITIONING

A temperature control system is desired that provides quick and simple operation while maintaining a uniform temperature throughout the patient compartment. The unit itself must be located so that it is easy to access for service. This location must also be near the O.E.M. heat/AC connection points when provided so as to increase the overall efficiency of the unit. The following minimum design standards must be adhered to in order to best meet the needs of the City.

1.4.19.44 SYSTEM CONTROLS

The climate control functions shall be controlled through a primary location in the inhalation panel, and through a secondary location in the cab electrical control console. The switches used for the operation of this system shall be identical to the switches described in the "Electrical" section of this specification. Switches shall be present in the front console to select either 'Heat', 'A/C', or 'Off' functions and to select the desired temperature. Switches shall be present in the rear control panel to select either 'Heat', 'A/C', or 'Off' functions, 'Automatic' or 'Manual' mode of operation, and to select the desired temperature.

1.4.19.45 THERMOSTAT

The temperature level shall be adjustable from both the front and rear electrical control panels for the 12V system. Two switches at each location shall be used to scroll through desired temperature settings on one degree intervals. Once the desired temperature is set, then the system shall retain that setting regardless of the position of the battery switch. The temperature sensor for the system shall be located at the inhalation panel so as to attain a true patient compartment temperature. The temperature setting and the actual temperature reading shall be viewable from both the front or rear digital displays.

This system is to be controlled through the converter-added electrical system. Under no circumstances shall household type thermostats be acceptable.

1.4.19.46 SYSTEM OPERATION

The system shall allow for both automatic and manual operation. When set to the manual mode the fan speed shall be infinitely adjustable from the rear control panel for extra ventilation. When set to the automatic mode the fan speed shall be controlled by the thermostat setting. The temperature that is selected shall be continuously maintained. When the selected temperature has been reached, then the



system shall automatically cycle the fan speed down to reduce unnecessary electrical load.

1.4.19.47 HEATER WATER CONTROL

The flow of hot water from the chassis to the converter-added heat/AC system shall be controlled by an electrically operated valve located under the hood. Water flow to the rear heater shall be activated when either the front or rear heater switch is turned to the 'On' position. It is a requirement of this specification that this type of valve be used unless the converter is supplying a self-contained heat-AC system. The term "self-contained" is defined as being a unit that does not require any water flow from the chassis. Under no circumstances will manual valves be considered. Manual valves are inconvenient and tend to leak.

1.4.19.48 UNIT LOCATION AND SERVICE

It is required that the heat/AC unit be installed inside a custom-made aluminum box. This box shall be perforated to provide air flow to the heat/AC unit. This is required for efficiency, serviceability, and safety.

Many O.E.M. chassis builders provide tap-in points for the converter-added heat/AC unit behind the driver's seat. Therefore, system efficiency is higher when the hot water from the chassis is pumped to the area beneath the attendant's seat. Efficiency is not lost by pumping the water over an extended distance or up to ceiling level. Such a condition would naturally result in reduced patient area temperature levels as excessive flow resistance would be present.

In the unlikely event of a system leak the specified installation location will allow the leakage to run out onto the ground. Systems that are installed above cabinetry may leak into the cabinets, thus ruining the cabinets (if they are wood) and the cabinet contents.

1.4.19.49 FILTRATION SYSTEM

A replaceable carbon filter shall be installed at the air intake area of the heat/AC system. Replacement of the filter shall be simple, and shall require very little time so as to assure that the vehicle will not have to be taken out of service. Replacement filters shall be readily available and shall be capable of being cut to the proper size to fit the vehicle.

1.4.19.50 AIR FLOW

The installation of the heat/AC system shall include an air duct system to direct the airflow in such a way as to provide uniform temperature levels throughout the patient compartment. Air intake shall be from the floor level. The air shall be channeled through a duct that is aft of the heat/AC unit. The air shall exit through adjustable



vents at the ceiling level above the attendant's seat. This design will allow for a circular flow of air throughout the patient compartment.

The specified design will separate the intake and exhaust ports. Separation of the intake and exhaust will decrease air turbulence and improve overall efficiency of the system. Systems that combine intakes and exhausts within the same grille work will not be acceptable.

1.4.19.51 DUCTED HEAT/AC UNIT

The heat/AC unit shall be located over the forward upper portion of the Street-side wall to allow for ducted air above the main cabinet wall.

1.4.19.52 12V HEAT/AC SYSTEM

The 12V heat/AC system shall be installed per the instructions listed above. This system shall be designed to be independent from the chassis O.E.M. A/C system. At no point shall the converter-added A/C system tap into the O.E.M. system. The system provided shall include an evaporator, compressor, and a top-mount condenser. The BTU and CFM ratings on this unit shall be as follows:

- Heat: 65,000BTU
- A/C: 32,000BTU
- CFM: 650

1.4.19.53 DUAL A/C SYSTEM

The manufacturer shall provide and install a dual 12V A/C system as noted below. This system shall include a second evaporator and a 3-fan condenser and shall be run off of the auxiliary A/C compressor. This second unit shall operate as A/C only and shall provide an additional 32,000 BTUs and 650 CFMs over and above the manufacturer's standard package.

- Locate: Head of bench, angled towards rear.
- Note: Maxcool cabinet to be smaller than standard. Cabinet to be 20" deep by 25" wide. Shift cabinet toward the overhead bench cabinet and extend side entry closeout over to maxcool cabinet.
- HEAT/AC INTAKE FILTER
 - A three-ply air filter shall be installed at the heat/AC air intake point. This filter shall not be made of paper products. The filter is to include an internal wire frame and is to be constructed with a self-gasketing perimeter to prevent leaks. This filter is to be used in



lieu of any other filters that the manufacturer may typically provide.

- LOCATE: FOR DUCTED HEAT/AC AND MAXCOOL UNITS.
- NOTE THESE ARE SLIDE IN STYLE FOR EASE OF SERVICE.

1.4.19.54 VENTING SYSTEM

Install a 400cfm exhaust and a static intake vent. Each vent cover is to the 9.5" square and is to feature a polished finish.

- Cab console and communications
 - The vehicle communications and console features are designated below:

1.4.19.55 ANTENNAS

- ANTENNA COAX #1
 - An RG 58U coax shall be installed. A removable access plate in the patient area ceiling shall be provided for access to the exterior termination point located on the module body roof. Under no circumstances shall the vehicle design necessitate disassembly of the interior finish work to access the coax termination point. The coax shall terminate at the following locations:
 - Exterior termination: front center module roof
 - Interior termination: behind driver seat
- ANTENNA COAX #2
 - A second RG 58U coax shall be installed. A removable access plate in the patient area ceiling shall be provided for access to the exterior termination point located on the module body roof. Under no circumstances shall the vehicle design necessitate disassembly of the interior finish work to access the coax termination point. The coax shall terminate at the following locations:
 - Exterior termination: module roof
 - Interior termination: upper portion of vertical cabinet behind attendant seat.
- ANTENNA COAX #3
 - A third RG 58U coax shall be installed. A removable access plate in the



patient area ceiling shall be provided for access to the exterior termination point located on the module body roof. Under no circumstances shall the vehicle design necessitate disassembly of the interior finish work to access the coax termination point. The coax shall terminate at the following locations:

- Exterior termination: rear center module roof
- Interior termination: front radio console

1.4.19.56 RADIO POWER/GROUND

The vehicle manufacturer shall install heavy gauge cable B positive and ground for radio power. Termination is to be to insulated studs.

- Locate: bulkhead wall behind passenger seat inside console behind inhalation panel
- Configure: battery hot, ignition switched at all locations
- Special instruction, cab console & communications:
- Note: install customer supplied radio heads in console and antennas on the cab roof
- Note: customers are to locate speakers at inspection

1.4.20 CAB CONSOLE

- A console shall be installed in the cab. The console shall be installed at floor level and shall allow space for siren and radio head installation. The console shall be color coordinated with the cab interior. The top of the console shall be on a slant and shall house the recessed emergency control panel and integral digital display. Under no circumstances shall the console interfere with the OEM vehicle controls or gauges, nor shall the control panel be installed in such a manner as to interfere with either the OEM vehicle controls, gauges, or the driver's line of vision.
- Reinforce passenger side of console for future MDT mount. Locate the control panel in the forward console section. Install customer supplied Motorola and ICOM radio heads in console.

1.4.20.1 CONSOLE EXTENSION

- An aluminum console extension shall be fabricated and installed in the vehicle cab. The extension shall attach to the front console and shall include a location to mount siren and/or radio heads, as well as three slots for storage of map books and binders. The console extension shall be covered in black Scorpion material to compliment the interior cab color.



- Install (3) 2.50" map slots, and (1) approx. 5.00" slot.
- Include a perforated vent on each side of the console for the 5" slot area.
- Install (2) flip-down cup holders on the rear of the console.
- Extend console as close to module as possible

1.4.21 OXYGEN AND SUCTION SYSTEMS

Reliability, safety, and ease of operation are essential characteristics of the onboard oxygen and suction systems. System design must meet the following minimum guidelines. Bidders are asked to respond to each section appropriately per the bid requirements and to explain any variations to these requirements.

1.4.21.1 SWITCHING FOR OXYGEN AND SUCTION

The rear switch panel shall contain two switches labeled "OXYGEN" and "VACUUM". Each of these switches shall electrically activate those respective systems. That activation shall be instantaneous. Systems that are not instantaneously responsive to their activation will not be considered.

1.4.21.2 SYSTEM DESIGN

A single piece manifold assembly shall serve as the basis for the oxygen delivery system. The manifold assembly shall incorporate ports for installation of O2 lines to all specified outlets, an electrically activated oxygen delivery solenoid, and a manual bypass valve. The assembly shall be installed behind the inhalation panel and shall be easily accessible.

1.4.21.3 ELECTRICAL OXYGEN ACTIVATION

The switch, located on the rear control panel and labeled "OXYGEN", shall activate the solenoid. This design will allow for the instantaneous flow of oxygen while eliminating the need to manually turn a valve to initiate oxygen flow.

1.4.21.4 MANUAL BYPASS

The oxygen solenoid shall be equipped with a manual bypass valve. Located behind the inhalation panel, the valve shall be easily accessible so that, in the unlikely event of an electrical failure, administration of oxygen may continue.

1.4.21.5 SYSTEM REGULATION

The patient area shall be free of high pressure oxygen lines. To accomplish this the vehicle converter shall install a KKK approved regulator at the oxygen cylinder. The regulator shall include an integral dial type gauge to monitor the cylinder contents. A



single low pressure line shall be installed from the regulator to the O2 manifold assembly.

This method shall insure that all high pressure is maintained in an exterior compartment away from the interior patient area.

1.4.21.6 OXYGEN LINES

The O2 line connecting the regulator to the manifold assembly shall be rated at 200 psi working pressure and 1,250 psi burst pressure. The line shall be UL approved. There shall be NO connections installed in the line between the regulator and manifold assembly as these create a possibility for leakage. All connections shall be DISS style and shall be specific to the gas being supplied.

1.4.21.7 LINE PROTECTION

The O2 line shall be protected from crimping through the installation of a flexible spring guard on the portion of the line in the cylinder storage compartment.

1.4.21.8 SYSTEM MONITORING

The condition of the oxygen system shall be continually monitored and reported to the vehicle operators through the vehicle's onboard electrical system. Readouts containing the information listed below shall be available primarily at the patient area control console. The secondary location for availability of this information shall be the cab console. The information available shall include the following:

- Cylinder Pressure
- Line Pressure

In addition, this system shall be designed to offer a warning, both audible and visual, if the condition of the oxygen system falls outside of the following pre-programmed parameters:

- Low Cylinder Pressure (500 psi or below)
- Low Line Pressure (40 psi or below)
- High Line Pressure (75 psi or above)

These oxygen system warnings shall immediately notify the personnel of a problem, again, via a readout and audible alarm. The system shall require the personnel to acknowledge receipt of the information.

1.4.21.9 PRELIMINARY SYSTEM TESTING



The oxygen system shall be tested prior to installation in the vehicle. This test shall be performed by the vehicle manufacturer and shall subject the system to three times (3X) the working pressure. This test shall be conducted for a minimum of four (4) hours.

1.4.21.10 FINAL SYSTEM TESTING

The completed system shall be tested again once it is installed in the vehicle. This test shall be performed at working pressure for a minimum of four (4) hours. After the system has passed the inspection process it shall be capped and tagged per Federal KKK specifications.

1.4.21.11 ADDITIONAL OXYGEN AND VACUUM SUPPLIES

The oxygen and suction systems shall be complete upon delivery with the exception of the O2 cylinder. The cylinder shall be supplied and installed by the City after delivery of the vehicle has taken place.

1.4.21.12 OXYGEN BOTTLE MOUNT, VERTICAL TRACK FOR QRM-V

Vertical track for mounting of a QRM-V O2 bottle mount shall be welded on the back wall of the compartment in the right hand corner. The O2 bottle mount is adjustable for "M" or "H" size tanks.

1.4.21.13 ZICO QRM-V CYLINDER BRACKET

A Zico QRM-V oxygen cylinder bracket shall be installed in the main O2 compartment.

- Locate: standard location
- Tank size: "m"

1.4.21.14 OXYGEN OUTLETS

Two oxygen outlets shall be installed in the rear inhalation panel unless otherwise noted below.

1.4.21.15 ADDITIONAL OXYGEN OUTLETS

Additional oxygen outlets shall be installed as noted below.

- Locate: bench overhead cabinet rear of the max cool

1.4.21.16 OHIO MEDICAL OXYGEN AND SUCTION OUTLETS



The oxygen and suction outlets installed in the vehicle shall be Ohio Medical Quick Connect style outlets.

1.4.21.17 FLOWMETER

Dial type flowmeter(s), in the quantity listed below, shall be supplied with the completed vehicle. Each flowmeter shall be supplied with a mating quick connect adapter. The flowmeter shall provide a maximum flow of 25 LPM.

- Quantity: 1

1.4.21.18 CYLINDER WRENCH

A cylinder wrench shall be installed inside the oxygen compartment. The wrench shall be installed in such a way as it will not move or rattle. The wrench shall be chained to the compartment so that it cannot be removed, however, the chain must not interfere with the operation of the wrench.

1.4.21.19 PRIMARY VACUUM OUTLET

A single vacuum panel shall be installed in the inhalation area. The outlet shall be of the same style as those of the oxygen system and shall be connected to the onboard vacuum pump.

1.4.21.20 SSCOR ASPIRATOR

The manufacturer shall furnish and install an SSCOR suction system. The system shall include a #22000 wall-mounted regulator, and a #23002 canister holder. The aspirator shall be accessible for use from the inhalation area.

1.4.21.21 VACUUM PUMP

The aspirator system shall be operated through a CAPL #D34 SE (T282) 12V vacuum pump that is located inside an exterior compartment. The pump shall be activated by a switch on the inhalation area electrical control panel.

1.4.22 LETTERING

- LETTERING DESIGN
 - This specification calls for lettering to be supplied and installed by the successful bidder. The lettering layout is summarized within this section and broken down by location in the sections below. Information relative to lettering material, size, color, font, or any other special requirements is also listed in the following sections. The lettering layout is to be as follows:
 - Lettering shall match the City of Pembroke Pines existing Fire Department Fleet.



- Color: Avery engine turned gold
- Style: Computer cut
- CHEVRON "A"
 - The vehicle will have a Chevron "A" Style 6" "3M Scotchlite" striping on the rear of the body. Including body, any panels and doors. Colors to be Red/Florescent yellow green.
- CUSTOM LETTERING
 - The successful bidder shall supply and install the lettering described below. The City will provide photographs and, when possible, artwork pertaining to this lettering to the successful bidder. A Mylar laminate shall then be applied to the lettering's surface in order to protect against scuffing, and to provide added longevity. Lettering that does not have this protective covering will not be acceptable.
 - Supply/install a white vinyl overall height sticker in driver side front window.

1.5 PROPOSAL REQUIREMENTS

All proposals shall address and be presented as outlined below:

1.5.1 CONTACT INFORMATION FORM

Attached is contact information form (Attachment A) where the vendor will enter their contact information and complete the proposal checklist. The Contact information form shall be electronically signed by the contact person authorized to represent the contractor. This form must be completed and submitted through www.bidsync.com as part of the bidder's submittal. The vendor must provide their pricing through the designated lines items listed on the BidSync website.

- Please note vendors should be registered on BidSync under the name of the organization that they are operating as and it should match the organization name on the documents that they are submitting and utilizing when responding to the solicitation.
- The contact information form should contain an electronic signature of the authorized representative of the Proposer along with the address and telephone number for communications regarding the Proposal.
- Proposals by corporations should be executed in the corporate name by the President or other corporate officer accompanied by evidence of authority to sign. The corporate address and state of incorporation must also be shown.



- Proposals by partnerships should be executed in the partnership name and signed by a partner whose title and the official address of the partnership must be shown.

1.5.2 STANDARD QUALIFYING DATA, FORMS, AND CERTIFICATIONS

The following documents will need to be completed, scanned and submitted through www.bidsync.com as part of the bidder's submittal:

1. City of Pembroke Pines Vendor Information Form and a W-9. (Attachment B)
 - i. In addition to the Vendor Information Form, please ensure that you provide the completed W-9 (Rev. December 2014), as previously dated versions of this form will delay the processing of any payments to the awarded vendor.
2. Non-Collusive Affidavit (Attachment C)
3. Sworn Statement on Public Entity Crimes Form (Attachment D)
4. Local Vendor Preference Certification, if applicable. (Attachment E)
5. Veteran Owned Small Business Preference Certification (Attachment F)
6. Equal Benefits Certification Form (Attachment G)
7. Proposer's Qualification Statement (Attachment H)
8. Reference Form (Attachment K)

1.5.3 DESIGN

Proposer shall upload CAD generated drawings of both interior and exterior of the product being proposed.

1.5.4 WARRANTY

Proposer shall upload complete written certificates of Modular, Electrical, Paint, and Conversion warranties.

1.5.5 LIST OF EXCEPTIONS

If a bidder will not furnish a material or fabrication process exactly as described in this specification, then that difference must be designated in the list of exceptions. If a substitution is being proposed, then the bidder must note the section to which the alternative is being proposed and provide technical data, supported by a registered engineer, supporting the fact that the substitute is equal to or better than the item as specified. If this data is not submitted with the bid, then the bid shall be rejected as being non-compliant. Bidder added narrative describing a substitution as being a clarification, exceeding, being equal to, etc. will not be accepted. Statements such as these, with or without the technical data described in this section, will cause the bid to be rejected as being non-compliant. The City reserves the right to require samples of any deviating material to be provided for evaluation.

1.5.6 ADDITIONAL INFORMATION



Any additional information as necessary, including any other information requested in this bid package and on the checklist included in Attachment A.

1.6 EVALUATION OF PROPOSALS & PROCESS OF SELECTION

- A. Staff will evaluate all responsive proposals received from proposers who meet or exceed the bid requirements contained in the solicitation. Evaluations shall be based upon the information contained in the proposals as submitted.
- B. Staff will make a recommendation to the City Commission for award of contract.

1.7 TENTATIVE SCHEDULE OF EVENTS

Event	Time &/or Date
Issuance of Solicitation (Posting Date)	March 1, 2017
Question Due Date	March 13, 2017
Anticipated Date of Issuance for the Addenda with Questions and Answers	March 16, 2017
Proposals will be accepted until	2:00 p.m. on March 28, 2017
Proposals will be opened at	2:30 p.m. on March 28, 2017
Evaluation of Proposals by the Staff	TBD
Recommendation of Contractor to City Commission award	TBD

1.8 SUBMISSION REQUIREMENTS

Bids/proposals **must be submitted electronically** at www.bidsync.com on or before **2:00 p.m. on March 28, 2017**.

Please note vendors should be registered on BidSync under the name of the organization that they are operating as and it should match the organization name on the documents that they are submitting and utilizing when responding to the solicitation.

The vendor must provide their pricing through the designated lines items listed on the BidSync website. In addition, the vendor must complete any webforms on the BidSync website and provide any additional information requested throughout this solicitation. Any additional information requested in the solicitation should be scanned and uploaded. **Unless otherwise specified, the City requests for vendors to upload their documents as one (1) PDF document in the order that is outline in the bid package.**

The City recommends for proposers to submit their proposals as soon as they are ready to do so. Please allow ample time to submit your proposals on the BidSync website. Proposals may be modified or withdrawn prior to the deadline for submitting Proposals. BidSync Support is happy to help you with submitting your proposal and to ensure that you are submitting your



proposals correctly, but we ask that you contact their support line at 1-800-990-9339 with ample time before the bid closing date and time.

PLEASE DO NOT SUBMIT ANY PROPOSALS VIA MAIL, E-MAIL OR FAX.



SECTION 2 - INSURANCE REQUIREMENTS

The CONTRACTOR shall indemnify and hold harmless the CITY and its officers, employees, agents and instrumentalities from any and all liability, losses or damages, including attorneys' fees and costs of defense, which the CITY or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from the performance of this Agreement by the CONTRACTOR or its employees, agents, servants, partners principals or subcontractors. The CONTRACTOR shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or actions of any kind or nature in the name of the CITY, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may issue thereon. The CONTRACTOR expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by the CONTRACTOR shall in no way limit the responsibility to indemnify, keep and save harmless and defend the CITY or its officers, employees, agents and instrumentalities as herein provided.

CONTRACTOR shall not commence work under this Agreement until it has obtained all insurance required under this paragraph and such insurance has been approved by the Risk Manager of the CITY nor shall the CONTRACTOR allow any subcontractor to commence work on his subcontract until all similar such insurance required of the subcontractor has been obtained and similarly approved.

CERTIFICATES OF INSURANCE, reflecting evidence of the required insurance, shall be filed with the City's Risk Manager prior to the commencement of this Agreement. Policies shall be issued by companies authorized to do business under the laws of the State of Florida. The insurance company shall be rated no less than "A" as to management, and no less than "Class VI" as to financial strength according to the latest edition of Best's Insurance Guide published by A.M. Best Company.

Policies shall be endorsed to provide the CITY thirty (30) days notice of cancellation, material change or non-renewal of policies required under the contract. If the carrier will not agree to this notification, the CONTRACTOR or its insurance broker shall notify the CITY of any cancellation or reduction in coverage within seven days of receipt of insurer's notification of cancellation or reduction in coverage.

Insurance shall be in force until all obligations required to be fulfilled under the terms of the Agreement are satisfactorily completed as evidenced by the formal acceptance by the CITY. In the event the insurance certificate provided indicates that the insurance shall terminate and lapse during the period of this Agreement, then in that event, the CONTRACTOR shall furnish, at least fifteen (15) days prior to the expiration of the date of such insurance, a renewed certificate of insurance as proof that equal and like coverage for the balance of the period of the Agreement and extension thereunder is in effect. The CONTRACTOR shall not commence nor continue to provide any services pursuant to this Agreement unless all required insurance remains in full force and effect. CONTRACTOR shall be liable to CITY for any lapses in service resulting from a gap in insurance coverage.

The insurance requirements specified in this Agreement are minimum requirements and in no way reduce any liability the CONTRACTOR has assumed in the indemnification/hold harmless section(s) of this Agreement.



2.1 REQUIRED INSURANCE

- A. COMMERCIAL GENERAL LIABILITY INSURANCE** including, but not limited to: coverage for premises & operations, personal & advertising injury, products & completed operations, Liability assumed under an Insured Contract (including tort liability of another assumed in a business contract), and independent contractors. Coverage must be written on an occurrence basis, with limits of liability no less than:

1. Each Occurrence Limit - \$1,000,000
2. Fire Damage Limit (Damage to rented premises) - \$100,000
3. Personal & Advertising Injury Limit - \$1,000,000
4. General Aggregate Limit - \$2,000,000
5. Products & Completed Operations Aggregate Limit - \$2,000,000 **(mostly for construction or equipment sold to the CITY)**

Products & Completed Operations Coverage shall be maintained for two (2) years after the final payment under this contract. (Increase to 10 years for construction projects) (For construction projects also include: Designated Construction Project(s) General Aggregate Limit)

The City of Pembroke Pines must be shown as an additional insured with respect to this coverage. City's Additional Insured status shall extend to any coverage beyond the minimum requirements for limits of liability found herein.

- B. WORKERS' COMPENSATION AND EMPLOYERS LIABILITY INSURANCE** covering all employees, and/or volunteers of the CONTRACTOR engaged in the performance of the scope of work associated with this Agreement. In the case any work is sublet, the CONTRACTOR shall require the subcontractors similarly to provide Workers Compensation Insurance for all the latter's employees unless such employees are covered by the protection afforded by the CONTRACTOR. Coverage for the CONTRACTOR and his subcontractors shall be in accordance with applicable state and/or federal laws that may apply to Workers' Compensation Insurance with limits of liability no less than:

1. Workers' Compensation : Coverage A – Statutory
2. Employers Liability: Coverage B \$500,000 Each Accident
\$500,000 Disease – Policy Limit
\$500,000 Disease – Each Employee

If CONTRACTOR claims to be exempt from this requirement, CONTRACTOR shall provide CITY proof of such exemption along with a written request for CITY to exempt CONTRACTOR, written on CONTRACTOR letterhead.

Coverage shall be included for injuries or claims under the USL&H or Jones Act, when applicable.

2.2 REQUIRED ENDORSEMENTS

1. The City of Pembroke Pines shall be named as an Additional Insured on each of the General Liability policies required herein



2. Waiver of all Rights of Subrogation against the CITY
3. 30 Day Notice of Cancellation or Non-Renewal to the CITY
4. CONTRACTORS' policies shall be Primary & Non-Contributory
5. All policies shall contain a "severability of interest" or "cross liability" liability clause without obligation for premium payment of the CITY
6. The City of Pembroke Pines shall be named as a Loss Payee on all Property and/or Inland Marine Policies as their interest may appear.

CONTRACTOR shall name the CITY, as an additional insured on each of the General Liability policies required herein and shall hold the CITY, its agents, officers and employees harmless on account of claims for damages to persons, property or premises arising out of the services provided hereunder. Any insurance required of the CONTRACTOR pursuant to this Agreement must also be required by any subcontractor in the same limits and with all requirements as provided herein, including naming the CITY as an additional insured, in any work is subcontracted unless such subcontractor is covered by the protection afforded by the CONTRACTOR and provided proof of such coverage is provided to CITY. The CONTRACTOR and any subcontractors shall maintain such policies during the term of this Agreement.

The CITY reserves the right to require any other additional types of insurance coverage and/or higher limits of liability it deems necessary based on the nature of work being performed under this Contract.



SECTION 3 - GENERAL TERMS & CONDITIONS

3.1 EXAMINATION OF CONTRACT DOCUMENTS

Before submitting a Proposal, each Proposer should (a) consider federal, state and local laws, ordinances, rules and regulations that may in any manner affect cost or performance of the work, (b) study and carefully correlate the Proposer's observations with the Proposal Documents; and (c) notify the Purchasing Manager of all conflicts, errors and discrepancies, if any, in the Proposal Documents.

The Proposer, by and through the submission of a Proposal, agrees that Proposer shall be held responsible for having familiarized themselves with the nature and extent of the work and any local conditions that may affect the work to be done and the services, equipment, materials, parts and labor required.

3.2 CONFLICT OF INSTRUCTIONS

If a conflict exists between the General Conditions and Instructions stated herein and specific conditions and instructions contained in specifications, the specifications shall govern.

3.3 ADDENDA or ADDENDUM

A formal solicitation may require an Addendum to be issued. An addendum in some way may clarify, correct or change the original solicitation (i.e. due date/time, specifications, terms, conditions, line item). Vendors submitting a proposal should check the BidSync website for any addenda issued. Vendors are cautioned not to consider verbal modifications to the solicitation, as the addendum issued through BidSync will be the only official method whereby changes will be made.

3.4 INTERPRETATIONS AND QUESTIONS

If the Proposer is in doubt as to the meaning of any of the Proposal Documents, is of the opinion that the Conditions and Specifications contain errors or contradictions or reflect omissions, or has any question concerning the conditions and specifications, the Proposer shall submit a question for interpretation or clarification. The City requires all questions relating to the solicitation be entered through the “**Ask a Question**” option tab available on the BidSync website. Responses to the questions will be provided online at www.bidsync.com. Such request must be received by the “**Question Due Date**” stated in the solicitation. Questions received after “**Question Due Date**” shall not be answered. Interpretations or clarifications in response to such questions will be issued via BidSync. The issuance of a response via BidSync is considered an Addendum and shall be the only official method whereby such an interpretation or clarification will be made.

BidSync Support is also available to assist proposers with submitting their proposal and to ensure that proposers are submitting their proposals correctly. Proposers should ensure that they contact the BidSync support line at 1-800-990-9339 with ample time before the bid closing date and time.

For all other questions related to this solicitation, please contact the Purchasing Division at purchasing@ppines.com.

3.5 RULES, REGULATIONS, LAWS, ORDINANCES and LICENSES

The awarded contractor shall observe and obey all laws, ordinances, rules, and regulations of the federal, state, and CITY, which may be applicable to the service being provided. The awarded firm shall have or be responsible for obtaining all necessary permits or licenses required, if necessary, in order to provide this service.



Bidder warrants by submittal that prices quoted here are in conformity with the latest federal price guidelines, if any.

3.6 WARRANTIES FOR USAGE

Whenever a bid is sought, seeking a source of supply for a specified time for materials or service, the quantities or usage shown are estimated only. No guarantee or warranty is given or implied by the City as to the total amount that may or may not be purchased from any resulting contracts. These quantities are for bidders information only and will be used for tabulation and presentation of bid.

3.7 BRAND NAMES

If and wherever in the specifications a brand name, make, name of manufacturer, trade name, or vendor catalog number is mentioned, it is for the purpose of establishing a grade or quality of material only. Since the City does not wish to rule out other competition and equal brands or makes, the phrase "OR EQUAL" is added. However, if a product other than that specified is bid, Bidders shall indicate on their proposal and clearly state the proposed substitution and deviation. It is the vendor's responsibility to provide any necessary documentation and samples within their bid submittal to prove that the product is equal to that specified. Such samples are to be furnished before the date of bid opening, unless otherwise specified. Additional evidence in the form of documentation and samples may be requested if the proposed brand is other than that specified. The City retains the right to determine if the proposed brand shall be considered as an approved equivalent or not.

3.8 QUALITY

All materials used for the manufacture or construction of any supplies, materials, or equipment covered by this bid shall be new, the latest model, of the best quality, and

highest grade workmanship, unless otherwise noted.

3.9 SAMPLES

Samples, when requested, must be furnished before, or at the bid opening, unless otherwise specified, and delivered free of expense to the City and if not used in testing or destroyed, will upon request within thirty (30) days of bid award be returned at the bidders expense.

3.10 DEVELOPMENT COSTS

Neither the City nor its representatives shall be liable for any expenses incurred in connection with the preparation, submission or presentation of a Bid in response to this Invitation for Bid. All information in the Bid shall be provided at no cost to the City.

3.11 PRICING

Prices should be stated in units of quantity specified in the bidding specifications. In case of discrepancy in computing the amount of the bid, the unit prices quoted will govern.

Bidder warrants by virtue of bidding that prices, terms, and conditions quoted in his bid will be firm for acceptance for a period of ninety (90) days from date of bid opening unless otherwise stated by the City or bidder.

3.12 DELIVERY POINT

All items shall be delivered F.O.B. destination, and delivery cost and charges included in the bid price. Failure to do so may be cause for rejection of bid.

3.13 TAX EXEMPT STATUS

The City is exempt from Florida Sales and Federal Excise taxes on direct purchase of tangible property.

3.14 CONTRACT TIME

By virtue of the submission of the Proposal, Proposer agrees and fully understands that



the completion time of the work of the Contract is an essential and material condition of the Contract and that time is of the essence. The Successful Proposer agrees that all work shall be prosecuted regularly, diligently and uninterrupted at such rate of progress as will ensure full completion thereof within the time specified. Failure to complete the work within the time period specified shall be considered a default.

In addition, time will be of the essence for any orders placed as a result of this bid. Purchaser reserves the right to cancel such orders, or part thereof, without obligation if delivery is not made at the time(s) or place(s) specified.

3.15 COPYRIGHT OR PATENT RIGHTS

Bidder warrants that there have been no violations of copyrights or patent rights in manufacturing, producing, or selling other goods shipped or ordered as a result of this bid, and seller agrees to hold the purchaser harmless from any and all liability, loss or expense occasioned by such violation.

3.16 PUBLIC ENTITY CRIMES

"A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list."

The Public Entity Crime Affidavit Form, attached to this solicitation, includes

documentation that shall be executed by an individual authorized to bind the Proposer. The Proposer further understands and accepts that any contract issued as a result of this solicitation shall be either voidable or subject to immediate termination by the City. In the event there is any misrepresentation or lack of compliance with the mandates of Section 287.133 or Section 287.134, respectively, Florida Statutes. The City in the event in such termination, shall not incur any liability to the Bidder for any goods, services or materials furnished.

3.17 CONFLICT OF INTEREST

The award of any contract hereunder is subject to the provisions of Chapter 112, Florida Statutes. Proposers must disclose with their Proposal the name of any officer, director, partner, proprietor, associate or agent who is also an officer or employee of CITY or any of its agencies. Further, all Proposers must disclose the name of any officer or employee of CITY who owns, directly or indirectly, an interest of five percent (5%) or more in the Proposer's firm or any of its branches or affiliate companies.

3.18 FACILITIES

The City reserves the right to inspect the Bidder's facilities at any time with prior notice.

3.19 ENVIRONMENTAL REGULATIONS

CITY reserves the right to consider Proposer's history of citations and/or violations of environmental regulations in determining a Proposer's responsibility, and further reserves the right to declare a Proposer not responsible if the history of violations warrant such determination. Proposer shall submit with the Proposal, a complete history of all citations and/or violations, notices and dispositions thereof. The non-submission of any such documentation shall be deemed to be an affirmation by the Proposer that there are no citations or violations. Proposer shall notify



CITY immediately of notice of any citation or violation that Proposer may receive after the Proposal opening date and during the time of performance of any contract awarded to Proposers.

3.20 SIGNATURE REQUIRED

All proposals must be signed with the firm name and by an officer or employee having authority to bind the company or firm by his signature. FAILURE TO PROPERLY SIGN PROPOSAL SHALL INVALIDATE SAME, AND IT MAY NOT BE CONSIDERED FOR AWARD.

The individual executing this Bid on behalf of the Company warrant to the City that the Company is authorized to do business in the State of Florida, is in good standing and that Company possesses all of the required licenses and certificates of competency required by the State of Florida and Broward County to provide the goods or perform the services herein described.

The signed bid shall be considered an offer on the part of the bidder or contractor, which offer shall be deemed accepted upon approval by the City Commission of the City of Pembroke Pines and in case of default on the part of the bidder or contractor after such acceptance, the City of Pembroke Pines may take such action as it deems appropriate including legal action for damages or specific performance.

3.21 MANUFACTURER'S CERTIFICATION

The City of Pembroke Pines reserves the right to request from bidder separate manufacturer certification of all statements made in the proposal.

3.22 MODIFICATION OR WITHDRAWAL OF PROPOSAL

The City recommends for proposers to submit their proposals as soon as they are ready to do so. Please allow ample time to submit your proposals on the BidSync

website. Proposals may be modified or withdrawn prior to the deadline for submitting Proposals.

3.23 PUBLIC BID; BID OPENING AND GENERAL EXEMPTIONS

All submittals received by the deadline will be recorded, and will subsequently be publicly opened on the same business day at 2:30 p.m. at the office of the City Clerk, 10100 Pines Boulevard, Pembroke Pines, FL.

All Proposals received from Proposers in response to the solicitation will become the property of CITY and will not be returned to the Proposers. In the event of Contract award, all documentation produced as part of the Contract shall become the exclusive property of CITY. Proposers are requested to identify specifically any information contained in their Proposals which they consider confidential and/or proprietary and which they believe to be exempt from disclosure, citing specifically the applicable exempting law.

Pursuant to Section 119.071 of the Florida Statutes, sealed bids, proposals, or replies received by a Florida public agency shall remain exempt from disclosure until an intended decision is announced or until 30 days from the opening, whichever is earlier.

Therefore, bidders will not be able to procure a copy of their competitor's bids until an intended decision is reached or 30 days has elapsed since the time of the bid opening.

However, pursuant to Section 255.0518 of the Florida Statutes, when opening sealed bids that are received pursuant to a competitive solicitation for **construction or repairs on a public building or public work**, the entity shall:

- (a) Open the sealed bids at a public meeting.
- (b) Announce at that meeting the name of each bidder and the price submitted in the bid.



- (c) Make available upon request the name of each bidder and the price submitted in the bid.

For solicitations that are **not** for **“construction or repairs on a public building or public work”** the City shall not reveal the prices submitted in the bids until an intended decision is announced or until 30 days from the opening, whichever is earlier.

3.24 RESERVATIONS FOR REJECTION AND AWARD

The City of Pembroke Pines reserves the right to accept or reject any and all bids or parts of bids, to waive irregularities and technicalities, and to request rebids. The City also reserves the right to award a contract on such items(s) or service(s) the City deems will best serve its interests. All bids shall be awarded to the most responsive/responsible bidder, provided the (City) may for good cause reject any bid or part thereof. It further reserves the right to award a contract on a split order basis, or such combinations as shall best serve the interests of the City unless otherwise specified. No premiums, rebates or gratuities permitted, either with, prior to, or after award. This practice shall result in the cancellation of said award and/or return of items (as applicable) and the recommended removal of bidder from bid list(s).

3.25 BID PROTEST

Any protests or challenges to this competitive procurement shall be governed by Section 35.38 of the City's Code of Ordinances.

3.26 INDEMNIFICATION

The Successful Proposer shall pay all claims, losses, liens, settlements or judgments of any nature whatsoever in connection with the subsequent indemnifications including, but not limited to, reasonable attorney's fees (including appellate attorney's fees) and costs.

CITY reserves the right to select its own legal counsel to conduct any defense in any such proceeding and all costs and fees associated therewith shall be the responsibility of Successful Proposer under the indemnification agreement. Nothing contained herein is intended nor shall it be construed to waive City's rights and immunities under the common law or Florida Statute 768.28 as amended from time to time.

Additional indemnification requirements may be included under Special Terms and Conditions and/or as part of a specimen contract included in the solicitation package.

General Indemnification: To the fullest extent permitted by laws and regulations, Successful Proposer shall indemnify, defend, save and hold harmless the CITY, its officers, agents and employees, harmless from any and all claims, damages, losses, liabilities and expenses, direct, indirect or consequential arising out of or in consequential arising out of or alleged to have arisen out of or in consequence of the products, goods or services furnished by or operations of the Successful Proposer or his subcontractors, agents, officers, employees or independent contractors pursuant to or in the performance of the Contract.

Patent and Copyright Indemnification: Successful Proposer agrees to indemnify, defend, save and hold harmless the CITY, its officers, agents and employees, from all claims, damages, losses, liabilities and expenses arising out of any alleged infringement of copyrights, patent rights and/or the unauthorized or unlicensed use of any invention, process, material, property or other work manufactured or used in connection with the performance of the Contract, including its use by CITY.

3.27 DEFAULT PROVISION

In the case of default by the bidder or contractor, the City of Pembroke Pines may procure the articles or services from any



other sources and hold the bidder or contractor responsible for any excess costs occasioned or incurred thereby.

The City shall be the sole judge of nonperformance, which shall include any failure on the part of the successful Bidder to accept the Award, to furnish required documents, and/or to fulfill any portion of the contract within the time stipulated. Upon default by the successful Bidder to meet any terms of this agreement, the City will notify the Bidder five (5) days (weekends and holidays excluded) to remedy the default. Failure on the Contractor's part to correct the default within the required five (5) days shall result in the contract being terminated and upon the City notifying in writing the Contractor of its intentions and the effective date of the termination. The following shall constitute default:

A. Failure to perform the Work required under the contract and/or within the time required or failing to use the subcontractor, entities and personnel as identified and set forth, and to the degree specified in the contract.

B. Failure to begin the Work under this Bid within the time specified.

C. Failure to perform the Work with sufficient Workers and equipment or with sufficient materials to ensure timely completion.

D. Neglecting or refusing to remove materials or perform new Work where prior Work has been rejected as non-conforming with the terms of the contract.

E. Becoming insolvent, being declared bankrupt, or committing act of bankruptcy or insolvency, or making an assignment renders the successful Bidder incapable of performing the Work in accordance with and as required by the contract.

F. Failure to comply with any of the terms of the contract in any material respect.

In the event of default of a contract, the successful Bidder shall pay all attorney's fees and court costs incurred in collecting any damages. The successful Bidder shall pay the City for any and all costs incurred in ensuing the completion of the project.

Additional provisions may be included in the specimen contract.

3.28 ACCEPTANCE OF MATERIAL

The material delivered under this proposal shall remain the property of the seller until a physical inspection and actual usage of this material and/or services is made and thereafter accepted to the satisfaction of the City and must comply with the terms herein, and be fully in accord with specifications and of the highest quality. In the event the material and/or services supplied to the City are found to be defective or do not conform to specifications, the City reserves the right to cancel the order upon written notice to the seller and return product to seller at the sellers expense.

3.29 LOCAL GOVERNMENT PROMPT PAYMENT ACT

The City complies with Florida Statute 218.70, Florida Prompt Payment Act.



CONTACT INFORMATION FORM

IN ACCORDANCE WITH “IFB # FI-16-03” dated **March 1, 2017**, titled “**Fire Rescue Ambulances**” attached hereto as a part hereof, the undersigned submits the following:

A) Contact Information

The Contact information form shall be electronically signed by one duly authorized to do so, and in case signed by a deputy or subordinate, the principal's properly written authority to such deputy or subordinate must accompany the proposal. This form must be completed and submitted through www.bidsync.com as part of the bidder's submittal. The vendor must provide their pricing through the designated lines items listed on the BidSync website.

COMPANY INFORMATION:

COMPANY:

STREET ADDRESS:

CITY, STATE & ZIP CODE:

PRIMARY CONTACT FOR THE PROJECT:

NAME: TITLE:

E-MAIL:

TELEPHONE: FAX:

AUTHORIZED APPROVER:

NAME: TITLE:

E-MAIL:

TELEPHONE: FAX:

SIGNATURE:

B) Proposal Checklist

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Are all materials, freight, labor and warranties included?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Pursuant to section 1.3, are the builder's manufacturing history submitted with supporting documentation where applicable, and by the reference section within this specification?	Yes <input type="checkbox"/> No <input type="checkbox"/>
<p>Pursuant to section 1.3.1, does the manufacturer being proposed meet all current mandated and voluntary ambulance design standards in effect at the date of the proposal submission?</p> <p>This includes, all current Federal Motor Vehicle Safety Standards (FMVSS), as well as all current Federal Ambulance Design specifications and NFPA Standards.</p>	Yes <input type="checkbox"/> No <input type="checkbox"/>
<p>Pursuant to section 1.3.1, does the manufacturer comply with Ford Motor Company's QVM program?</p> <p>If so, is a copy of the manufacturer's current QVM certification submitted with the bid?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
Pursuant to section 1.3.3, does the manufacturer manufacture the major components (module body, the interior cabinets, and the converter-added electrical wiring system) for the ambulance (excluding the chassis)?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Pursuant to section 1.3.3, does the manufacturer own the design of, as well as the rights to the onboard converter-added electrical system?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Pursuant to section 1.3.5, are all warranties included?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Pursuant to section 1.3.6, does the manufacturer have a service facility within a 150 mile radius of the City of Pembroke Pines?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Pursuant to section 1.3.6, does the service facility have personnel performing the service that are trained by the manufacturer with emphasis in the area of electrical service?	Yes <input type="checkbox"/> No <input type="checkbox"/>
<p>Pursuant to section 1.3.7, did you submit Computer Aided Design (CAD) drawings of both the interior of the patient area and the overall layout of the module body?</p> <p>At a minimum these drawings shall include all exterior elevations, all interior views (4), and a plan view of the roof/ceiling. All options and elements required within these specifications shall be depicted on the prints. Generic CAD drawings are not acceptable. The drawings, as submitted, shall accurately depict the exact vehicle that is being proposed.</p>	Yes <input type="checkbox"/> No <input type="checkbox"/>
Pursuant to section 1.3.8, did you submit the installation methods and construction techniques associated with seat belt retention, cabinet construction and installation, oxygen cylinder retention and module to chassis mounting systems?	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>

<p>In addition, did you submit all of the testing performed by a testing agency (accredited independent engineer) that is independent of the manufacturer?</p> <p>Please include any applicable information, certifications and/or sled test results regarding construction techniques used throughout the building process, installation methods, construction techniques associated with seat belt retention, cabinet construction and installation, oxygen cylinder retention and module to chassis mounting systems, etc.</p> <p>If the bidder does not perform sled testing, then the bidder shall take exception to this requirement so that the City may evaluate bids on a legitimate basis.</p>	
<p>Pursuant to section 1.3.9, did you submit certifications and/or test results, signed by a professional engineer from the testing laboratory, regarding the patient compartment using two mannequins, one in the standard attendant's seat, and one on the squad bench area?</p> <p>In addition, did you submit photos or other evidence that the mannequin restraint systems worked properly and that the mannequins remained in their original positions?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>Pursuant to section 1.3.10, did you submit evidence/certification that your service facility is trained and certified to service or to replace the airbags should the need arise?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>Pursuant to section 1.3.11, did you submit completed Attachment K (References Form)?</p> <p>In addition, did it include 5 references and list the model of the in-service unit(s) that were provided of a similar chassis make and conversion processes that is being proposed for this project?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>Pursuant to section 1.3.17, did you submit the requested construction photographs?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>Pursuant to section 1.4.2.3, does the bidder design and construct its own module bodies, and maintain an engineering staff at its manufacturing facility to handle any custom body changes that may be necessitated by this design?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>Pursuant to section 1.4.19, does the bidder's electrical system deviate in any way from that which is specified?</p> <p>If so, is a detailed explanation included?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>

C) Sample Proposal Form

The following sample price proposal is for information only. The vendor must provide their pricing through the designated lines items listed on the BidSync website.

Item	Description	Qty.	Cost
1)	Fire Rescue Ambulance Cost (including all parts, materials & labor to furnish and deliver, as specified in the solicitation.)	2	Price to be Submitted via BidSync
2)	Pre-Payment Discount Option	2	Price to be Submitted via BidSync
3)	Trade-In Value Option for a: 2000 AEV/Freightliner three seat cab (VIN # 1FV3GLCC1YHA35604) with approximately with 194,000 miles (City Vehicle # 7768)	1	Price to be Submitted via BidSync
4)	Trade-In Value Option for a: 2001 AEV/Freightliner three seat cab (VIN # 1FVABPBW11HH17185) with approximately with 140,000 miles (City Vehicle # 7769)	1	Price to be Submitted via BidSync
5)	Inspection Trips (per person, per trip) as specified in section 1.3.13 of the bid package	8	Price to be Submitted via BidSync
Total Cost Including Pre-Payment Discount and Trade-In Value Options			Price to be Submitted via BidSync

Proposed Equipment and Maintenance Shop	
Chassis Name, Year, Make and Model	<input type="text"/>
Ambulance/Conversion Name, Year, Make and Model	<input type="text"/>
Maintenance Shop: Name and Location	<input type="text"/>
<p>*Vendor is required to provide full disclosure on their capabilities for providing road/mobile service, response time to regular calls, response time to emergency service calls, the number of service technicians on staff than are SAE or EVT certified, how many vehicles dedicated to road/mobile service, and approach to handling major repairs such as transmissions, front axels, rear axels, radiators, etc. This information can be provided in a separate document that must be uploaded to www.bidsync.com as part of the proposal package.</p>	

Components Manufacturer (By Company Name)	
Modular Body	<input type="text"/>
Interior Cabinets	<input type="text"/>
Electrical Wiring System	<input type="text"/>

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Timeline	
NUMBER OF CALENDAR DAYS, FOLLOWING THE AWARD, TO COMPLETE AND FURNISH THE FIRE RESCUE AMBULANCES	<input type="text"/> Days

Please note: If you have any exceptions to the specifications listed in the solicitation, you must attach a detailed explanation, of each exception, to this proposal form.



(OFFICE USE ONLY) Vendor number:

Please complete this vendor information form entirely along with the
IRS Form W-9, scan and upload it to the www.bidsync.com

Vendor Information Form

Operating Name (Payee)			
Legal Name (as filed with IRS)			
Remit-to Address (For Payments)			
Remit-to Contact Name:		Title:	
Email Address:			
Phone #:		Fax #	
Order-from Address (For purchase orders)			
Order-from Contact Name:		Title:	
Email Address:			
Phone #:		Fax #	
Return-to Address (For product returns)			
Return-to Contact Name		Title:	
Email Address:			
Phone #:		Fax #	
Payment Terms:			

Type of Business (please check one and provide Federal Tax identification or social security Number)

- ☐ Corporation
☐ Sole Proprietorship/Individual
☐ Partnership
☐ Health Care Service Provider
☐ LLC – C (C corporation) – S (S corporation) – P (partnership)
☐ Other (Specify):

Federal ID Number:

Social Security No.:

Name of Applicant / Signature _____

Title of Applicant _____ **Date** _____

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type
See Specific Instructions on page 2.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.	
2 Business name/disregarded entity name, if different from above	
3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶ _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
5 Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
6 City, state, and ZIP code	
7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number									
				-				-	
or									
Employer identification number									
				-					

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here	Signature of U.S. person ▶	Date ▶
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.

By signing the filled-out form, you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

Note. If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States:

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 28% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),

3. The IRS tells the requester that you furnished an incorrect TIN,

4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or

5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code* on page 3 and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships* above.

What is FATCA reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code* on page 3 and the Instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account, list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note. ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C Corporation, or S Corporation.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(iii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

Line 3

Check the appropriate box in line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box in line 3.

Limited Liability Company (LLC). If the name on line 1 is an LLC treated as a partnership for U.S. federal tax purposes, check the "Limited Liability Company" box and enter "P" in the space provided. If the LLC has filed Form 8832 or 2553 to be taxed as a corporation, check the "Limited Liability Company" box and in the space provided enter "C" for C corporation or "S" for S corporation. If it is a single-member LLC that is a disregarded entity, do not check the "Limited Liability Company" box; instead check the first box in line 3 "Individual/sole proprietor or single-member LLC."

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space in line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2—The United States or any of its agencies or instrumentalities
- 3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5—A corporation
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission
- 8—A real estate investment trust
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10—A common trust fund operated by a bank under section 584(a)
- 11—A financial institution
- 12—A middleman known in the investment community as a nominee or custodian
- 13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 5 ²
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note. You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on this page), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at www.ssa.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/businesses and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting IRS.gov or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if items 1, 4, or 5 below indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code* earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor ²
4. a. The usual revocable savings trust (grantor is also trustee) b. So-called trust account that is not a legal or valid trust under state law	The grantor-trustee ¹ The actual owner ¹
5. Sole proprietorship or disregarded entity owned by an individual	The owner ³
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor*
For this type of account:	Give name and EIN of:
7. Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity ⁴
9. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
10. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 2.

*Note. Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, Identity Theft Prevention and Victim Assistance.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: spam@uce.gov or contact them at www.ftc.gov/idtheft or 1-877-IDTHEFT (1-877-438-4338).

Visit IRS.gov to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.



NON-COLLUSIVE AFFIDAVIT

BIDDER is the ,
(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

Such Bid is genuine and is not a collusive or sham Bid;

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

The price of items quoted in the attached Bid are fair and proper and are not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

Printed Name/Signature

Title

Name of Company



**SWORN STATEMENT
ON PUBLIC ENTITY CRIMES
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).**

1. This sworn statement is submitted (name of entity submitting sworn statement) whose business address is and (if applicable) its Federal Employer Identification Number (FEIN) is . (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: .)
2. My name is and my
(Please print name of individual signing)
relationship to the entity named above is .
3. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
4. I understand that a "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
5. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Cityship by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors,

executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. **(Please indicate which statement applies.)**

☐ A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

☐ B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND **(Please indicate which additional statement applies.)**

☐ B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**

☐ B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**

Bidder's Name/Signature

Company

Date



LOCAL VENDOR PREFERENCE CERTIFICATION

SECTION 1 GENERAL TERM

LOCAL PREFERENCE

The evaluation of competitive bids is subject to section 35.36 of the City's Procurement Procedures which, except where contrary to federal and state law, or any other funding source requirements, provides that preference be given to local businesses. To satisfy this requirement, the vendor shall affirm in writing its compliance with either of the following objective criteria as of the bid or proposal submission date stated in the solicitation. A local business shall be defined as:

1. "Local Pembroke Pines Vendor" shall mean a business entity which has maintained a permanent place of business with full-time employees within the City limits for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation. The permanent place of business may not be a post office box. The business location must actually distribute goods or services from that location. In addition, the business must have a current business tax receipt from the City of Pembroke Pines.

OR;

2. "Local Broward County Vendor" shall mean or business entity which has maintained a permanent place of business with full-time employees within the Broward County limits for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation. The permanent place of business may not be a post office box. The business location must actually distribute goods or services from that location. In addition, the business must have a current business tax receipt from the Broward County or the city within Broward County where the business resides.

A preference of five percent (5%) of the total evaluation point, or five percent (5%) of the total price, shall be given to the **Local Pembroke Pines Vendor(s)**; A preference of two and a half percent (2.5%) of the total evaluation point for local, or two and a half percent (2.5%) of the total price, shall be given to the **Local Broward County Vendor(s)**.

COMPARISON OF QUALIFICATIONS

The preferences established in no way prohibit the right of the City to compare quality of supplies or services for purchase and to compare qualifications, character, responsibility and fitness of all persons, firms or corporations submitting bids or proposals. Further, the preference established in no way prohibit the right of the city from giving any other preference permitted by law instead of the preferences granted, nor prohibit the city to select the bid or proposal which is the most responsible and in the best interests of the city.

SECTION 2 AFFIRMATION

LOCAL PREFERENCE CERTIFICATION:

- ☐ Place a check mark here only if affirming bidder meets requirements above as a Local Pembroke Pines Vendor.
In addition, the business must attach a current business tax receipt from the City of Pembroke Pines along with any previous business tax receipts to indicate that the business entity has maintained a permanent place of business for a minimum of one (1) year.
- ☐ Place a check mark here only if affirming bidder meets requirements above as a Local Broward County Vendor.
In addition, the business must attach a current business tax receipt from the Broward County or the city within Broward County where the business resides along with any previous business tax receipts to indicate that the business entity has maintained a permanent place of business for a minimum of one (1) year.
- ☐ Place a check mark here only if affirming bidder does not meet the requirements above as a Local Vendor.

Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for Local Preference. This form must be completed by/for the proposer; the proposer WILL NOT qualify for Local Vendor Preference based on their sub-contractors' qualifications.

COMPANY NAME:

PRINTED NAME / AUTHORIZED SIGNATURE:



VETERAN OWNED SMALL BUSINESS (VOSB) PREFERENCE CERTIFICATION

SECTION 1 GENERAL TERM

VETERAN OWNED SMALL BUSINESS (VOSB) PREFERENCE

The evaluation of competitive bids is subject to section 35.37 of the City's Procurement Procedures which, except where contrary to federal and state law, or any other funding source requirements, provides that preference be given to veteran owned small businesses. To satisfy this requirement, the vendor shall affirm in writing its compliance with the following objective criteria as of the bid or proposal submission date stated in the solicitation. A veteran owned small business shall be defined as:

1. "Veteran Owned Small Business" shall mean a business entity which has received a "Determination Letter" from the United States Department of Veteran Affairs Center for Verification and Evaluation notifying the business that they have been approved as a Veteran Owned Small Business (VOSB).

A preference of two and a half percent (2.5%) of the total evaluation point, or two and a half percent (2.5%) of the total price, shall be given to the **Veteran Owned Small Business (VOSB)**. This shall mean that if a **VOSB** submits a bid/quote that is within 2.5% of the lowest price submitted by any vendor, the **VOSB** shall have an option to submit another bid which is at least 1% lower than the lowest responsive bid/quote. If the **VOSB** submits a bid which is at least 1% lower than that lowest responsive bid/quote, then the award will go to the **VOSB**. If not, the award will be made to the vendor that submits the lowest responsive bid/quote. If the lowest responsive and responsible bidder IS a "**Local Pembroke Pines Vendor**" (**LPPV**) or a "**Local Broward County Vendor**" (**LBCV**) as established in Section 35.36 of the City's Code of Ordinances, entitled "Local Vendor Preference", then the award will be made to that vendor and no other bidders will be given an opportunity to submit additional bids as described herein.

If there is a **LPPV**, a **LBCV**, and a **VOSB** participating in the same bid solicitation and all three vendors qualify to submit a second bid, the **LPPV** will be given first option. If the **LPPV** cannot beat the lowest bid received by at least 1%, an opportunity will be given to the **LBCV**. If the **LBCV** cannot beat the lowest bid by at least 1%, an opportunity will be given to the **VOSB**. If the **VOSB** cannot beat the lowest bid by at least 1%, then the bid will be awarded to the lowest bidder.

If multiple **VOSBs** submit bids/quotes which are within 2.5% of the lowest bid/quote and there are no **LPPV** or **LBCV** as described in Section 35.36 of the City's Code of Ordinance, entitled "Local Vendor Preference", then all **VOSBs** will be asked to submit a **Best and Final Offer (BAFO)**. The award will be made to the **VOSB** submitting the lowest **BAFO** providing that that **BAFO** is at least 1% lower than the lowest bid/quote received in the original solicitation. If no **VOSB** can beat the lowest bid/quote by at least 1%, then the award will be made to the lowest responsive bidder.

COMPARISON OF QUALIFICATIONS

The preferences established in no way prohibit the right of the City to compare quality of supplies or services for purchase and to compare qualifications, character, responsibility and fitness of all persons, firms or corporations submitting bids or proposals. Further, the preference established in no way prohibit the right of the city from giving any other preference permitted by law instead of the preferences granted, nor prohibit the city to select the bid or proposal which is the most responsible and in the best interests of the city.

SECTION 2 AFFIRMATION

VETERAN OWNED SMALL BUSINESS (VOSB) PREFERENCE CERTIFICATION:

☐ Place a check mark here only if affirming bidder meets requirements above as a Veteran Owned Small Business.
In addition, the bidder must attach the "Determination Letter" from the U.S. Dept. of Veteran Affairs Center.

☐ Place a check mark here only if affirming bidder does not meet the requirements above as a VOSB.

Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for VOSB Preference. This form must be completed by/for the proposer; the proposer WILL NOT qualify for VOSB Preference based on their sub-contractors' qualifications.

COMPANY NAME:

PRINTED NAME / AUTHORIZED SIGNATURE:



EQUAL BENEFITS CERTIFICATION FORM FOR DOMESTIC PARTNERS AND ALL MARRIED COUPLES

Except where federal or state law mandates to the contrary, a Contractor awarded a Contract pursuant to a competitive solicitation shall provide benefits to Domestic Partners and spouses of its employees, irrespective of gender, on the same basis as it provides benefits to employees' spouses in traditional marriages.

The Contractor shall provide the City and/or the City Manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the Contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the City Manager has received a complaint or has reason to believe the Contractor may not be in compliance with the provisions of this section. Records shall include but not be limited to providing the City and/or the City Manager or his/her designee with certified copies of the Contractor's records pertaining to its benefits policies and its employment policies and practices.

The Contractor must conspicuously make available to all employees and applicants for employment the following statement:

"During the performance of a contract with the City of Pembroke Pines, Florida, the Contractor will provide Equal Benefits to its employees with spouses, as defined by Section 35.39 of the City's Code of Ordinances, and its employees with Domestic Partners and all Married Couples".

The posted statement must also include a City contact telephone number and email address which will be provided to each contractor when a covered contract is executed.

SECTION 1 DEFINITIONS

- 1. Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package which may include but is not limited to sick leave, bereavement leave, family medical leave, and health benefits.
- 2. Cash Equivalent** mean the amount of money paid to an employee with a domestic partner or spouse in lieu of providing benefits to the employee's domestic partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse from a traditional marriage.
- 3. Covered Contract** means a contract between the City and a contractor awarded subsequent to the date when this section becomes effective valued at over \$25,000 or the threshold amount required for competitive bids as required in section 35.18(A) of the Procurement Code.
- 4. Domestic Partner** shall mean any two (2) adults of the same or different sex who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partners who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Pembroke Pines.
- 5. Equal benefits** means the equality of benefits between employees with spouses and/or dependents of spouses and employees with domestic partners and/or dependents of domestic partners, and/or between spouses of employees and/or dependents of spouses and domestic partners of employees and/or dependents of domestic partners.
- 6. Spouse** means one member of a married pair legally married under the laws of any state within the United States of America or any other jurisdiction under which such marriage is legally recognized, irrespective of gender.

7. Traditional marriage means a marriage between one man and one woman.

SECTION 2 CERTIFICATION OF CONTRACTOR

The firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of Section 35.39 "City Contractors providing Equal Benefits for Domestic Partners and all Married Couples" of the City's Code of Ordinances, and certifies the following (**Check only one box below**):

- ☐ **A.** Contractor currently complies with the requirements of this section; or
- ☐ **B.** Contractor will comply with the conditions of this section at the time of contract award; or
- ☐ **C.** Contractor will not comply with the conditions of this section at the time of contract award: or
- ☐ **D.** Contractor does not comply with the conditions of this section because of the following allowable exemption (**Check only one box below**):
 - ☐ **1.** The Contractor does not provide benefits to employees' spouses in traditional marriages;
 - ☐ **2.** The Contractor provides an employee the cash equivalent of benefits because the Contractor is unable to provide benefits to employees' Domestic Partners or spouses despite making reasonable efforts to provide them. To meet this exception, the Contractor shall provide a notarized affidavit that it has made reasonable efforts to provide such benefits. The affidavit shall state the efforts taken to provide such benefits and the amount of the cash equivalent. Cash equivalent means the amount of money paid to an employee with a Domestic Partner or spouse rather than providing benefits to the employee's Domestic Partner or spouse. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee's spouse;
 - ☐ **3.** The Contractor is a religious organization, association, society, or any non-profit charitable or educational institution or organization operated supervised or controlled by or in conjunction with a religious organization, association, or society;
 - ☐ **4.** The Contractor is a governmental agency;

The certification shall be signed by an authorized officer of the Contractor. Failure to provide such certification (by checking the appropriate boxes above along with completing the information below) shall result in a Contractor being deemed non-responsive.

COMPANY NAME:

AUTHORIZED OFFICER NAME / SIGNATURE:



PROPOSER'S QUALIFICATIONS STATEMENT

PROPOSER shall furnish the following information. Failure to comply with this requirement will render Bid non-responsive and shall cause its rejection. Additional sheets shall be attached as required.

PROPOSER'S Name and Principal Address:

Contact Person's Name and Title:

Contact Person's E-mail Address:

PROPOSER'S Telephone and Fax Number:

PROPOSER'S License Number:

(Please attach certificate of status, competency, and/or state registration.)

PROPOSER'S Federal Identification Number:

Number of years your organization has been in business

State the number of years your firm has been in business under your present business name

State the number of years your firm has been in business in the work specific to this solicitation:

Names and titles of all officers, partners or individuals doing business under trade name:

The business is a: Sole Proprietorship ☐ Partnership ☐ Corporation ☐

IF USING A FICTITIOUS NAME, SUBMIT EVIDENCE OF COMPLIANCE WITH FLORIDA FICTITIOUS NAME STATUTE. (ATTACH IN PROPOSER EXHIBIT SECTION)

Under what former name has your business operated? Include a description of the business. Failure to include such information shall be deemed to be intentional misrepresentation by the City and shall render the proposer RFP submittals non-responsive.

At what address was that business located?

Name, address, and telephone number of surety company and agent who will provide the required bonds on this contract:

Have you ever failed to complete work awarded to you. If so, when, where and why?

Have you personally inspected the proposed WORK and do you have a complete plan for its performance?

Will you subcontract any part of this WORK? If so, give details including a list of each sub-contractor(s) that will perform work in excess of ten percent (10%) of the contract amount and the work that will be performed by each subcontractor(s).

The foregoing list of subcontractor(s) may not be amended after award of the contract without the prior written approval of the Contract Administrator, whose approval shall not be reasonably withheld.

List and describe all bankruptcy petitions (voluntary or involuntary) which have been filed by or against the Proposer, its parent or subsidiaries or predecessor organizations during the past five (5) years. Include in the description the disposition of each such petition.

List and describe all successful Bond claims made to your surety (ies) during the last five (5) years. The list and descriptions should include claims against the bond of the Proposer and its predecessor organization(s).

List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Proposer or its predecessor organizations(s) during the last (10) years. The list shall include all case names; case, arbitration or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute.

List and describe all criminal proceedings or hearings concerning business related offenses in which the Proposer, its principals or officers or predecessor organization(s) were defendants.

Has the Proposer, its principals, officers or predecessor organization(s) been CONVICTED OF A Public Entity Crime, debarred or suspended from bidding by any government entity? If so, provide details.

Are you an ☐ Original provider ☐ sales representative ☐ distributor, ☐ broker, ☐ manufacturer ☐ other, of the commodities/services proposed upon? If other than the original provider, explain below.

Have you ever been debarred or suspended from doing business with any governmental agency? If yes, please explain:

Describe the firm’s local experience/nature of service with contracts of similar size and complexity, it the previous three (3) years:

The PROPOSER acknowledges and understands that the information contained in response to this Qualification Statement shall be relied upon by CITY in awarding the contract and such information is warranted by PROPOSER to be true. The discovery of any omission or misstatement that materially affects the PROPOSER'S qualifications to perform under the contract shall cause the CITY to reject the Bid, and if after the award, to cancel and terminate the award and/or contract.

(Company Name)

(Printed Name/Signature)

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD[YY])

PRODUCER

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURERS AFFORDING COVERAGE

INSURED

YOUR COMPANY NAME HERE

INSURER A:

INSURER B:

INSURER C:

INSURER D:

INSURER E:

Companies providing coverage**COVERAGES**

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DDYY)	POLICY EXPIRATION DATE (MM/DDYY)	LIMITS								
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input checked="" type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> policy <input type="checkbox"/> project <input type="checkbox"/> loc	<div style="border: 1px solid black; padding: 10px; text-align: center;"> Must Include General Liability </div>			EACH OCCURRENCE \$ FIRE DAMAGE (Any one fire) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$								
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				<div style="border: 1px solid black; padding: 10px; text-align: center;"> SAMPLE CERTIFICATE </div>								
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO			AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$									
	EXCESS LIABILITY OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$								
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				<table border="1"> <tr> <td>WC STATU-TORY LIMITS</td> <td>OTH-ER</td> </tr> <tr> <td>E.L. EACH ACCIDENT</td> <td>\$</td> </tr> <tr> <td>E.L. DISEASE - EA EMPLOYEE</td> <td>\$</td> </tr> <tr> <td>E.L. DISEASE - POLICY LIMIT</td> <td>\$</td> </tr> </table>	WC STATU-TORY LIMITS	OTH-ER	E.L. EACH ACCIDENT	\$	E.L. DISEASE - EA EMPLOYEE	\$	E.L. DISEASE - POLICY LIMIT	\$
WC STATU-TORY LIMITS	OTH-ER												
E.L. EACH ACCIDENT	\$												
E.L. DISEASE - EA EMPLOYEE	\$												
E.L. DISEASE - POLICY LIMIT	\$												
	OTHER												

Certificate must contain wording similar to what appears below

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCL

"THE CERTIFICATE HOLDER IS NAMED AS ADDITIONALLY INSURED WITH REGARD TO GENERAL LIABILITY"

CERTIFICATE HOLDER

ADDITIONAL INSURED; INSURER LETTER:

CANCELLATION

City of Pembroke Pines
10100 Pines Boulevard
Pembroke Pines FL 33026

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE, THE CERTIFICATE HOLDER SHALL BE ADVISED BY MAIL 30 DAYS WRITTEN LEFT.

City Must Be Named as Certificate Holder

AUTHORIZED REPRESENTATIVE



AGREEMENT FOR PURCHASE OF

THIS AGREEMENT FOR PURCHASE OF _____
("Agreement") is dated this _____ day of _____, 2016 by and between:

CITY OF PEMBROKE PINES, a municipal corporation organized and operating pursuant to the laws of the State of Florida, with a business address of 10100 Pines Boulevard, Pembroke Pines, Florida 33026 (hereinafter referred to as the "CITY"),

and

_____, a _____, with a business address of _____
(hereinafter referred to as the "CONTRACTOR"). CITY and CONTRACTOR may hereinafter be referred to collectively as the "Parties."

RECITALS:

WHEREAS, the CITY advertised its invitation to bid No. _____ entitled _____
(hereinafter "ITB") which set forth the CITY's desire to hire a firm to provide _____:

WHEREAS, on _____, the responses to the ITB were opened at the offices of the City Clerk; and,

WHEREAS, on _____ the CITY awarded the ITB to CONTRACTOR and authorized the proper City officials to enter into this Agreement with CONTRACTOR to render provide the goods as required in the IFB; and,

WHEREAS, CITY and CONTRACTOR wish to enter into this Agreement to provide for the delivery of _____ to the CITY by CONTRACTOR; and,

WHEREAS, CONTRACTOR shall act as the primary provider of _____ to the CITY for the term of this Agreement;

NOW THEREFORE, in consideration of the mutual promises detailed herein and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties hereby agree as follows:



ARTICLE 1 PURCHASE OF GOODS

- 1.1 CITY agrees to purchase and CONTRACTOR agrees to provide _____ (the "Commodities") subject of this Agreement.
- 1.2 CONTRACTOR shall provide the Commodities as identified herein and the CITY's IFB and CONTRACTOR's response thereto, collectively incorporated herein as **Exhibit "A"** and made a specific part hereof, according to the estimated quantities and schedule contained in **Exhibit "A"**.
- 1.3 The Parties acknowledge that this Agreement is a term contract and that CITY shall purchase and CONTRACTOR shall provide the Commodities on an as-needed basis upon written request of the CITY. Nothing contained herein or in any exhibit or amendment hereto, shall require the CITY to purchase the quantity of Commodities identified in **Exhibit "A"**.
- 1.4 As needed, the CITY shall submit a purchase order to the CONTRACTOR for a specified amount of Commodities. CONTRACTOR shall then provide the specified amount of Commodities in accordance with the purchase order, and submit to the CITY an invoice for those Commodities.
- 1.5 CITY agrees that CONTRACTOR shall be the primary provider of the Commodities, as further described on **Exhibit "A"**, and that CITY shall submit to CONTRACTOR a purchase order for the Commodities. By acceptance of CONTRACTOR's bid, CONTRACTOR agrees that it shall provide such Commodities upon receipt of purchase order from CITY and has the ability to fulfill such orders as CITY requires.
- 1.6 CONTRACTOR acknowledges that it has the capacity, ability and/or inventory to provide the Commodities to the CITY on an as-needed basis and in accordance with the estimated schedule and quantities listed in **Exhibit "A"**.

ARTICLE 2 TERM AND TERMINATION

- 2.1 CONTRACTOR shall provide the Commodities as identified herein and in **Exhibit "A"** attached hereto and made part hereof, for an initial _____ (____) **year period** commencing on _____ and ending on _____, and according to the estimated schedule contained in **Exhibit "A"**.
- 2.2 This Agreement may be renewed for _____ (____) **additional** _____ (____) **year terms** upon mutual written consent, evidenced by a written Amendment to this Agreement extending the term thereof.



2.3 *Termination for Convenience:* CITY may terminate this Agreement for convenience, upon _____ (____) **business days** of written notice by the terminating party to the other party for such termination.

2.4 In the event CONTRACTOR abandons or terminates this Agreement or causes it to be terminated by CITY for any reason, CONTRACTOR shall indemnify CITY against any loss pertaining to this termination.

For purposes of this Agreement, termination by CITY for cause includes, but is not limited to, any of the following circumstances:

2.4.1 CONTRACTOR's failure to keep, perform and observe each and every provision of this Agreement and such failure continues for a period of more than _____ (____) **days** after CITY's delivery of a written notice to CONTRACTOR's of such breach or default;

2.4.2 CONTRACTOR becomes insolvent;

2.4.3 CONTRACTOR takes the benefit of any present or future insolvency statute;

2.4.4 CONTRACTOR makes a general assignment for the benefit of creditors,

2.4.5 CONTRACTOR files a voluntary petition in bankruptcy or a petition or answer seeking an arrangement of its reorganization or the readjustment of its indebtedness under the Federal Bankruptcy laws or under any other law or statute of the United States or any state thereof;

2.4.6 CONTRACTOR consents to the appointment of a receiver, trustee or liquidator of all or substantially all of its property;

2.4.7 A petition under any present or future insolvency laws or statute is filed against CONTRACTOR and such petition is not dismissed within _____ (____) **days** after its filing; or

2.4.8 Any assignment of this Agreement in whole or in part, or any of CONTRACTOR's rights and obligations hereunder.

ARTICLE 3 COMPENSATION AND METHOD OF PAYMENT

3.1 Unless stated otherwise on attached **Exhibit "A"**, CITY's sole compensation to CONTRACTOR for the provision of Commodities hereunder shall be _____ **Dollars (\$_____)** per _____. Upon delivery, the CITY shall make final inspection of the Commodities. If this inspection shows that the Commodities have been delivered in a satisfactory manner and in accordance with the specifications of this Agreement or purchase order submitted by the CITY, the CITY shall



receive the same. Final payment due the CONTRACTOR shall be withheld until inspection is made by the CITY and merits of performance evaluated. This total acceptance will be done in a reasonable and timely manner. Upon acceptance, CONTRACTOR shall submit to CITY an invoice for the Commodities provided and CITY, upon approval of the invoice, shall pay the same within _____ (____) days.

- 3.2 If any of the Commodities has to be rejected for any reason, the CONTRACTOR shall be required to repair or replace the Commodities to the satisfaction of the CITY. Warranty repairs may be accomplished on CITY property if space is available, at the discretion of the CITY. Title to or risk loss or damage to all Commodities shall be the responsibility of the CONTRACTOR until acceptance of the Commodities by the CITY, unless such loss or damages have been proven to be the result of negligence by the CITY.
- 3.3 Should the Parties renew the term of this Agreement pursuant to Section 2.2 herein, in the event that CONTRACTOR shall provide adequate evidence to CITY to substantiate a price increase, the purchase price of the Commodities contained in Section 3.1 above may be adjusted no more than on an amount equal to the increase in the "Consumer Price Index" or "CPI" for the current year as of two (2) months prior to the beginning of any renewal term of this Agreement. However, in no event shall the increase be greater than _____ percent (____ %) for each year subsequent to the initial term. The purchase price shall be subject to an annual CPI increase for each year of any renewal term. The purchase price due from the CITY shall never decrease.

The term "Consumer Price Index" is defined as the Consumer Price Index for all Urban Consumers, U.S. City Average (1982-84=100) All Items, published by the United States Department of Labor, Bureau of Labor Statistics. The increase in the CPI shall be computed by subtracting the CPI used to calculate the purchase price for the current year from the CPI reported on the U.S. Department of Labor, Bureau of Statistic's website available at <http://data.bls.gov/cgi-bin/surveymost?cu> for the month that is one hundred twenty (120) days prior to the first day of the upcoming year.

ARTICLE 4

WARRANTY OF COMMODITIES

- 4.1 The Commodities, and each individual good or item, including all components and all installed accessories and equipment, shall be guaranteed by the CONTRACTOR to be free of defective parts and workmanship. This warranty shall be for a period of _____ (____) days or the time designated in the standard factory warranty, whichever is longer. The warranty will be the same as that offered to the commercial trade and shall be honored by any of the manufacturer's authorized dealers. The warranty will cover parts, labor and any necessary shipping for repair or replacement of the Commodities, or each individual good or item, including all components and all installed accessories and equipment. The warranty shall start at the time of acceptance by the CITY.
- 4.2 CONTRACTOR warrants and guarantees that the Commodities, and each individual good or item, including all components and all installed accessories and equipment, shall be fit



for the intended use of the Commodities and CONTRACTOR shall provide a warranty as to fitness of the Commodities for a period of _____ (____) **days** or the time designated in the standard factory warranty, whichever is longer. The warranty will cover parts, labor and any necessary shipping for repair or replacement of the Commodities, or each individual good or item, including all components and all installed accessories and equipment.

ARTICLE 5 INDEMNIFICATION

- 5.1 CONTRACTOR shall indemnify and hold harmless the CITY, its trustees, elected and appointed officers, agents, servants, assigns and employees, from and against any and all claims, demands, or causes of action whatsoever, and the resulting losses, costs, expenses, reasonable attorneys' fees, including paralegal expenses, liabilities, damages, orders, judgments, or decrees, sustained by the CITY or any third party arising out of, by reason of, or resulting from the CONTRACTOR's acts, errors, or omissions or consequence of the goods and/or Commodities furnished pursuant to this Agreement or those of any subcontractor, agents, officers, employees, or independent contractor retained by CONTRACTOR.
- 5.2 CONTRACTOR shall indemnify and hold harmless the CITY, its trustees, elected and appointed officers, agents, servants, assigns and employees, from and against any and all claims, demands, or causes of action whatsoever, and the resulting losses, costs, expenses, reasonable attorneys' fees, including paralegal expenses, liabilities, damages, orders, judgments, or decrees, sustained by the CITY or any third party arising out of, by reason of, or resulting from any alleged infringement of copyrights, patent rights and/or the unauthorized or unlicensed use of any invention, process, material, property or other work manufactured or used in connection with the performance of the Agreement, including the use of the Commodities by the City.
- 5.3 CITY reserves the right to select its own legal counsel to conduct any defense in any such proceeding and all costs and fees associated therewith shall be the responsibility of CONTRACTOR.
- 5.4 Upon completion of all Services, obligations and duties provided for in this Agreement, or in the event of termination of this Agreement for any reason, the terms and conditions of this Article shall survive indefinitely.
- 5.5 Nothing contained herein is intended nor shall be construed to waive City's rights and immunities under the common law or §768.28, Florida Statutes, as may be amended from time to time.

ARTICLE 6 INSURANCE



- 6.1 CONTRACTOR shall not commence performance hereunder until it has obtained all insurance required under this paragraph and such insurance has been approved by the Risk Manager of the CITY nor shall the CONTRACTOR allow any subcontractor to commence work on his subcontract until all similar such insurance required of the subcontractor has been obtained and similarly approved.
- 6.2 Certificates of Insurance reflecting evidence of the required insurance shall be filed with the City's Risk Manager prior to the commencement of this Agreement. These Certificates shall contain a provision that coverages afforded under these policies will not be cancelled until at least thirty days (30) prior written notice has been given to the CITY. Policies shall be issued by companies authorized to do business under the laws of the State of Florida. Financial Ratings must be not less than "A-VI" in the latest edition of "Best Key Rating Guide", published by A.M. Best Guide.
- 6.3 Insurance shall be in force until the obligations required to be fulfilled under the terms of the Agreement are satisfied. In the event the insurance certificate provided indicates that the insurance shall terminate and lapse during the period of this Agreement, then in that event, the CONTRACTOR shall furnish, at least forty-five (45) days prior to the expiration of the date of such insurance, a renewed certificate of insurance as proof that equal and like coverage for the balance of the period of the Agreement and extension thereunder is in effect. The CONTRACTOR shall not commence nor continue to provide any service pursuant to this Agreement unless all required insurance remains in full force and effect. CONTRACTOR shall be liable to CITY for any lapses in service resulting from a gap in insurance coverage.
- 6.4 REQUIRED INSURANCE
- 6.4.1 Comprehensive General Liability insurance to cover liability bodily injury and property damage. Exposures to be covered are premises, operations, products/completed operations, and certain contracts. Coverage must be written on an occurrence basis, with the following limits of liability:
- | | | |
|----|--|-------------|
| A. | Bodily Injury | |
| 1. | Each Occurrence | \$1,000,000 |
| 2. | Annual Aggregate | 1,000,000 |
| B. | Property Damage | |
| 1. | Each Occurrence | 1,000,000 |
| 2. | Annual Aggregate | 1,000,000 |
| C. | Personal Injury | |
| | Annual Aggregate | 1,000,000 |
| D. | Completed Operations and Products Liability shall be maintained for two (2) years after the final payment. | |



- E. Property Damage Liability Insurance shall include Coverage for the following hazards: X - explosion, C - Collapse, U - underground.

6.4.2 Worker's Compensation Insurance shall be maintained during the life of this contract to comply with statutory limits for all employees. The following limits must be maintained:

A.	Worker's Compensation	Statutory
B.	Employer's Liability	\$100,000 each accident
		\$500,000 Disease-policy limit
		\$100,000 Disease-each employee

If CONTRACTOR claims to be exempt from this requirement, CONTRACTOR shall provide CITY proof of such exemption along with a written request for CITY to exempt CONTRACTOR, written on CONTRACTOR letterhead.

6.4.3 Comprehensive Auto Liability – coverage shall include owned, hired and non-owned vehicles.

A.	Bodily Injury	
1.	Each Occurrence	\$1,000,000
2.	Annual Aggregate	\$1,000,000
B.	Property Damage	
1.	Each Occurrence	\$1,000,000
2.	Annual Aggregate	\$1,000,000

6.5 CONTRACTOR shall name the CITY, as an additional insured on each of the policies required herein and shall hold the CITY, its agents, officers and employees harmless on account of claims for damages to persons, property or premises arising out of the services provided hereunder.

6.6 Any insurance required of CONTRACTOR pursuant to this Agreement must also be required by any subcontractor in the same limits and with all requirements as provided herein, including naming the CITY as an additional insured, in any work that is subcontracted unless such subcontractor is covered by the protection afforded by the CONTRACTOR and provided proof of such coverage is provided to CITY. The CONTRACTOR and any subcontractors shall maintain such policies during the term of this Agreement.

ARTICLE 7

NON-DISCRIMINATION & EQUAL OPPORTUNITY EMPLOYMENT

7.1 During the performance of the Agreement, neither CONTRACTOR nor its subcontractors shall discriminate against any employee or applicant for employment because of race, religion, color, gender, national origin, sex, age, marital status, political affiliation, familial status, sexual orientation, or disability if qualified. CONTRACTOR will take affirmative



action to ensure that employees are treated during employment, without regard to their race, religion, color, gender, national origin, sex, age, marital status, political affiliation, familial status, sexual orientation, or disability if qualified. Such actions must include, but not be limited to, the following: employment, promotion; demotion or transfer; recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. CONTRACTOR shall agree to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause. CONTRACTOR further agrees that he/she/it will ensure that subcontractors, if any, will be made aware of and will comply with this nondiscrimination clause.

ARTICLE 8 INDEPENDENT CONTRACTOR

- 8.1 This Agreement does not create an employee/employer relationship between the parties. It is the intent of the parties that the CONTRACTOR is an independent CONTRACTOR under this Agreement and not the CITY's employee for all purposes, including but not limited to, the application of the Fair Labor Standards Act minimum wage and overtime payments, Federal Insurance Contribution Act, the Social Security Act, the Federal Unemployment Tax Act, the provisions of the Internal Revenue Code, the State Workers' Compensation Act, and the State unemployment insurance law. The CONTRACTOR shall retain sole and absolute discretion in the judgment of the manner and means of carrying out CONTRACTOR activities and responsibilities hereunder provided, further that administrative procedures applicable to services rendered under this Agreement shall be those of CONTRACTOR which policies of CONTRACTOR shall not conflict with CITY, State, H.U.D., or United States policies, rules or regulations relating to the use of CONTRACTOR Funds provided for herein. The CONTRACTOR agrees that it is a separate and independent enterprise from the CITY, that it has full opportunity to find other business, that it has made its own investment in its business, and that it will utilize a high level of skill necessary to perform the work. This Agreement shall not be construed as creating any joint employment relationship between the CONTRACTOR and the CITY and the CITY will not be liable for any obligation incurred by CONTRACTOR including but not limited to unpaid minimum wages and/or overtime premiums.

ARTICLE 9 SIGNATORY AUTHORITY

- 9.1 CONTRACTOR shall provide CITY with copies of requisite documentation evidencing that the signator for CONTRACTOR has the authority to enter into this Agreement.

ARTICLE 10 MERGER; AMENDMENT

- 10.1 This Agreement constitutes the entire Agreement between CONTRACTOR and CITY, and negotiations and oral understandings between the parties are merged herein. This Agreement



can be supplemented or amended only by a written document executed by both CONTRACTOR and CITY with the same formality and equal dignity herewith.

ARTICLE 11 DEFAULT OF CONTRACT & REMEDIES

- 11.1 CITY reserves the right to recover any ascertainable actual damages incurred as a result of the failure of CONTRACTOR to perform in accordance with the requirements of this Agreement, or for losses sustained by CITY resultant from CONTRACTOR failure to perform in accordance with the requirements of this Agreement.

ARTICLE 12 BANKRUPTCY

- 12.1 It is agreed that if CONTRACTOR is adjudged bankrupt, either voluntarily or involuntarily, then this Agreement shall terminate effective on the date and at the time the bankruptcy petition is filed.

ARTICLE 13 DISPUTE RESOLUTION

- 13.1 In addition to any other remedy provided hereunder, CITY, at its option, may use arbitration to resolve any controversy or claim arising out of or relating to this Agreement if arbitration is elected by CITY. Any controversy or claim arising out of or relating to this Agreement, or breach thereof, may be settled by arbitration in accordance with the rules of the American Arbitration Association and judgment upon the award rendered by the arbitrators may be entered into by any court having jurisdiction thereof. In the event arbitration is elected by CITY, such controversy or claim shall be submitted to one arbitrator selected by the CITY from the National Panel of The American Arbitration Association.
- 13.2 Operations During Dispute.

13.2.1 In the event that a dispute, if any, arises between CITY and CONTRACTOR relating to this Agreement, performance or compensation hereunder, CONTRACTOR shall continue to provide the Commodities in full compliance with all terms and conditions of this Agreement as interpreted by CITY regardless of such dispute.

13.2.2 Notwithstanding the other provisions in this Section, CITY reserves the right to terminate the Agreement at any time, whenever the subject goods and/or commodities provided by CONTRACTOR fail to meet reasonable standards of the trade or any warranty, express or implied contained herein, after CITY gives written notice to the CONTRACTOR of the deficiencies as set forth in Section 2.4.1 of this Agreement.

ARTICLE 14 PUBLIC RECORDS



14.1 The City of Pembroke Pines is public agency subject to Chapter 119, Florida Statutes. The Contractor shall comply with Florida's Public Records Law. Specifically, the Contractor shall:

14.1.1 Keep and maintain public records required by the CITY to perform the service;

14.1.2 Upon request from the CITY's custodian of public records, provide the CITY with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in chapter 119, Fla. Stat., or as otherwise provided by law;

14.1.3 Ensure that public records that are exempt or that are confidential and exempt from public record disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and, following completion of the contract, CONTRACTOR shall destroy all copies of such confidential and exempt records remaining in its possession after the CONTRACTOR transfers the records in its possession to the CITY; and

14.1.4 Upon completion of the contract, CONTRACTOR shall transfer to the CITY, at no cost to the CITY, all public records in CONTRACTOR's possession. All records stored electronically by the CONTRACTOR must be provided to the CITY, upon request from the CITY's custodian of public records, in a format that is compatible with the information technology systems of the CITY.

14.2 The failure of Contractor to comply with the provisions set forth in this Article shall constitute a Default and Breach of this Agreement and the CITY shall enforce the Default in accordance with the provisions set forth in **Article 11**.

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT

**CITY CLERK
10100 PINES BOULEVARD, 5th FLOOR
PEMBROKE PINES, FL 33026
(954) 450-1050
mgraham@ppines.com**



ARTICLE 15 MISCELLANEOUS

- 15.1 **Ownership of Documents.** Reports, surveys, studies, and other data provided in connection with this Agreement are and shall remain the property of CITY, whether or not the project for which they are made is completed.
- 15.2 **Legal Representation.** It is acknowledged that each party to this agreement had the opportunity to be represented by counsel in the preparation of this Agreement, and accordingly, the rule that a contract shall be interpreted strictly against the party preparing same shall not apply herein due to the joint contributions of both parties.
- 15.3 **Records.** CONTRACTOR shall keep such records and accounts and require any and all subcontractors to keep records and accounts as may be necessary in order to record complete and correct entries as to the provision of Commodities or purchases hereunder for which CONTRACTOR. Such books and records will be available at all reasonable times for examination and audit by CITY and shall be kept for a period of ____ (____) **years** after the completion of all work to be performed pursuant to this Agreement, or as otherwise required by Florida law. Incomplete or incorrect entries in such books and records will be grounds for disallowance by CITY of any fees or expenses based upon such entries.
- 15.4 **Assignments; Amendments.** This Agreement, and any interests herein, shall not be assigned, transferred or otherwise encumbered, under any circumstances, by CONTRACTOR without the prior written consent of CITY. For purposes of this Agreement, any change of ownership of CONTRACTOR shall constitute an assignment which requires CITY approval. However, this Agreement shall run to the benefit of CITY and its successors and assigns.
- It is further agreed that no modification, amendment, or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed with the same formality and of equal dignity herewith.
- 15.5 **No Contingent Fees.** CONTRACTOR warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for CONTRACTOR to solicit or secure this Agreement, and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for CONTRACTOR any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this Agreement. For the breach or violation of this provision, CITY shall have the right to terminate the Agreement without liability at its discretion, to deduct from the contract price, or otherwise recover the full amount of such fee, commission, percentage, gift or consideration.
- 15.6 **Notice.** Whenever any party desires to give notice unto any other party, it must be given by written notice, sent by certified United States mail, with return receipt requested, addressed to the party for whom it is intended and the remaining party, at the places last specified, and the places for giving of notice shall remain such until they shall have been changed by written



notice in compliance with the provisions of this section. For the present, CONTRACTOR and CITY designate the following as the respective places for giving of notice:

CITY Charles F. Dodge, City Manager
City of Pembroke Pines
10100 Pines Boulevard
Pembroke Pines, Florida 33025
Telephone No. (954) 431-4884
Facsimile No. (954) 437-1149

Copy To: Samuel S. Goren, City Attorney
Goren, Cherof, Doody & Ezrol, P.A.
3099 East Commercial Boulevard, Suite 200
Fort Lauderdale, Florida 33308
Telephone No. (954) 771-4900
Facsimile No. (954) 771-4923

CONTRACTOR: **[CONTACT, TITLE]**
[VENDOR NAME]
[VENDOR ADDRESS]
[VENDOR CITY, STATE, & ZIP CODE]
Telephone No: _____
Facsimile No: _____
E-Mail: _____

- 15.7 **Binding Authority.** Each person signing this Agreement on behalf of either party individually warrants that he or she has full legal power to execute this Agreement on behalf of the party for whom he or she is signing, and to bind and obligate such party with respect to all provisions contained in this Agreement.
- 15.8 **Headings.** Headings herein are for the convenience of reference only and shall not be considered in any interpretation of this Agreement.
- 15.9 **Exhibits.** Each Exhibit referred to in this Agreement forms an essential part of this Agreement. The exhibits if not physically attached should be treated as part of this Agreement and are incorporated herein by reference.
- 15.10 **Severability.** If any provision of this Agreement or application thereof to any person or situation shall to any extent, be held invalid or unenforceable, the remainder of this Agreement, and the application of such provisions to persons or situations other than those as to which it shall have been held invalid or unenforceable, shall not be affected thereby, and shall continue in full force and effect, and be enforced to the fullest extent permitted by law.



- 15.11 **Extent of Agreement and Conflicts.** This Agreement represents the entire and integrated agreement between CITY and CONTRACTOR and supersedes all prior negotiations, representations or agreements, either written or oral.
- 15.12 **Waiver.** Failure of CITY to insist upon strict performance of any provision or condition of this Agreement, or to execute any right herein contained, shall not be constructed as a waiver or relinquishment for the future of any such provision, condition, or right, but the same shall remain in full force and effect.
- 15.13 **Disputes.** Any claim, objection, or dispute arising out of the terms of this Agreement shall be litigated in Broward County, Florida.
- 15.14 **Attorney's Fees.** In the event that either party brings suit for enforcement of this Agreement, each party shall bear its own attorney's fees and court costs, except as otherwise provided under the indemnification provisions set forth herein above.

**THE REMAINDER OF THIS PAGE
HAS BEEN INTENTIONALLY LEFT BLANK.**



IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first written above.

CITY:

CITY OF PEMBROKE PINES, FLORIDA

ATTEST:

MARLENE D. GRAHAM, CITY CLERK

By: _____
MAYOR FRANK C. ORTIS

APPROVED AS TO FORM:

OFFICE OF THE CITY ATTORNEY

CONTRACTOR:

[NAME OF CONTRACTOR]

By: _____
Name: _____
Title: _____

STATE OF _____)
COUNTY OF _____)

BEFORE ME, an officer duly authorized by law to administer oaths and take acknowledgments, personally appeared _____ as _____ of **[NAME OF CONTRACTOR]**, a company authorized to conduct business in the State of Florida, and acknowledged execution of the foregoing Agreement as the proper official of **[NAME OF CONTRACTOR]** for the use and purposes mentioned in it and affixed the official seal of the corporation, and that the instrument is the act and deed of that corporation.

IN WITNESS OF THE FOREGOING, I have set my hand and official seal at in the State and County aforesaid on this _____ day of _____, 2016.

NOTARY PUBLIC

(Name of Notary Typed, Printed or Stamped)

REFERENCES FORM

Provide specific examples of similar contracts. References should be should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. **This form should be duplicated for each reference and any additional information that would be helpful can be attached.**

Reference Contact Information:

Name of Firm, City, County or Agency:

Address:

City/State/Zip:

Contact Name: Title:

E-Mail Address:

Telephone: Fax:

Project Information:

Name and location of the project:

Nature of the firm's responsibility on the project:

Project duration: Completion (Anticipated) Date:

Size of project: Cost of project:

Work for which staff was responsible:

Contract Type:

The results/deliverables of the project:

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Contract Type:

The results/deliverables of the project:

[Vendor view of bid](#)

[Chat](#) | [Bid Comments](#) | [Documents](#) | [Attachments](#) | [Items](#)

Bid #FI-16-03 - Fire Rescue Ambulances  

Time Left Bid has ended.

Bid Started Mar 1, 2017 6:14:59 PM EST

Bid Ended **This bid closed on Mar 28, 2017 2:00:00 PM EDT**

Agency Information City of Pembroke Pines, FL ([view agency's bids](#))

Bid Classifications [Classification Codes](#)

Bid Regions [Regions](#)


Bid Contact [see contact information](#)

Copy Bid Click here to [copy](#) the bid and relist it as a new bid

View Rules Click here to [change](#) the rules for this bid.

Best and Final Offer: [Create](#)

Notifications

of suppliers that viewed 47  ([View](#))

Q & A [Questions & Answers](#)
Q&A Deadline: Mar 13, 2017 8:30:00 PM EDT

[Report \(Bidder Activity\)](#)

Approval

View Approval Flow [View Approval Flow](#)

Approval Status **Approved**

Bid Comments

Prices Good for 90 days

Budgeted Amount \$0.00 ([change](#))

Standard Disclaimer Bids/proposals must be submitted electronically

Please note vendors should be registered on BidSync under the name of the organization that they are operating as and it should match the organization name on the documents that they are submitting and utilizing when responding to the solicitation.

The vendor must provide the necessary information on the BidSync website and upload all of the requested documents listed in the PROPOSAL REQUIREMENTS section of this solicitation. Unless otherwise specified, the City requests for vendors to upload their documents as one (1) PDF document in the order that is outline in the bid package.

The City recommends for proposers to submit their proposals as soon as they are ready to do so. Please allow ample time to submit your proposals on the BidSync website. Proposals may be modified or withdrawn prior to the deadline for submitting Proposals. BidSync Support is happy to help you with submitting your proposal and to ensure that you are submitting your proposals correctly, but we ask that you contact their support line at 1-800-990-9339 with ample time before the bid closing date and time.











PLEASE DO NOT SUBMIT ANY PROPOSALS VIA MAIL, E-MAIL OR FAX.

However, please note that any required Bid Bond or Cashier's Check should be in a sealed envelope, plainly marked "BID SECURITY" (with the Solicitation Number and Title) and sent to the City of Pembroke Pines, City Clerk's Office, 5th Floor, 10100 Pines Boulevard, Pembroke Pines, FL 33026

Bid Comments The City of Pembroke Pines is seeking proposals to provide the Fire Department with two (2) Fire Rescue Ambulances that will meet their needs.

Documents

[Select All](#) | [Select None](#) | [Download Selected](#)

- | | |
|--|---|
| <input type="checkbox"/> 1.  FI-16-03 Fire Rescue Ambulances.pdf [download] | <input type="checkbox"/> 2.  Attachment A - Contact Information Form.docx [download] |
| <input type="checkbox"/> 3.  Attachment B - Vendor Information Form and a W-9.pdf [download] | <input type="checkbox"/> 4.  Attachment C - Non-Collusive Affidavit [download] |
| <input type="checkbox"/> 5.  Attachment D - Sworn Statement on Public Entity Crimes [download] | <input type="checkbox"/> 6.  Attachment E - Local Vendor Preference Certification [download] |
| <input type="checkbox"/> 7.  Attachment F - Veteran Owned Small Business (VOSB) Preference Certification [download] | <input type="checkbox"/> 8.  Attachment G - Equal Benefits Certification Form [download] |
| <input type="checkbox"/> 9.  Attachment H - Proposers Qualifications Statement [download] | <input type="checkbox"/> 10.  Attachment I - Sample Insurance Certificate.pdf [download] |

[Product Feedback](#)

11.  [Attachment J - Specimen Agreement - Continuing Purchase.pdf](#)
[\[download\]](#)

12.  [Attachment K - References Form](#) [\[download\]](#)

 = Included in Bid Packet  = Excluded from Bid Packet

Items

Item	Title	Offers	
FI-16-03--01-01	Fire Rescue Ambulance Cost (all parts, materials & labor to furnish and deliver)	Y	Info
FI-16-03--01-02	Pre-Payment Discount Option	Y	Info
FI-16-03--01-03	Trade-In Value Option (City Vehicle # 7768)	Y	Info
FI-16-03--01-04	Trade-In Value Option (City Vehicle # 7769)	Y	Info
FI-16-03--01-05	Inspection Trips (per person, per trip) as specified in section 1.3.13	Y	Info

Contractor Advertisements

[View All Ads](#)

There are no advertisements on this solicitation.

Questions? Contact a BidSync representative: 800-990-9339 or email: support@bidsync.com

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[Product Feedback](#)

Question and Answers for Bid #FI-16-03 - Fire Rescue Ambulances

Overall Bid Questions

There are no questions associated with this bid.

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