

CAMANO ISLAND FIRE & RESCUE
(Island County Fire District #1)
525 E. North Camano Dr.
Camano Island, WA 98282

SPECIFICATIONS AND INSTRUCTIONS TO BIDDERS

FOR ONE (1) AMBULANCE

**CAMANO ISLAND FIRE & RESCUE
525 E. NORTH CAMANO DRIVE
CAMANO ISLAND, WA 98282**

MIKE GANZ, FIRE CHIEF

SECTION A-GENERAL INSTRUCTIONS

A.0

Bidder Complies: Yes () No ()

Camano Island Fire & Rescue, herein referred to as the "Purchaser", shall receive sealed bids from qualified manufacturers of ambulances until 4:30 P.M. on Friday, July 11th, 2008, for the purchase of one or more ambulances. The Purchaser maintains the right to purchase additional ambulances at the time of bid acceptance for a period stretching no farther than 90 days past acceptance for the stated bid prices. Additional ambulances shall be at an acceptable cost in accordance to the specific vehicle needs.

A.1

Bidder Complies: Yes () No ()

It shall be the responsibility of the bidder to assure that their proposal arrives at the proper location by the time indicated. Late proposals, telegrams, facsimiles, or telephone bids shall not be considered. Proposals may either be received at the Purchaser's headquarters office at 848 S. Sunrise Blvd. Suite 204, Camano Island WA, 98282 or received by mail at 525 E. North Camano Dr., Camano Island, WA, 98282 by 4:30 P.M. on Friday, July 11th, 2008. Bids will be opened and recorded at 7:30 P.M. on Monday, July 14th, 2008, at the address listed above. Bids will be awarded at the regular meeting of the Board of Fire Commissioners of Island County Fire Protection District 1, to be held at 7:30 P.M. on Monday, July 28th, 2008, at the Terry's Corner Fire Station located at the address listed above.

A.2

Bidder Complies: Yes () No ()

Bids may be withdrawn by certified mail or telegraphic request from bidders prior to the time fixed for opening. Negligence on the part of the bidder in preparing the bid confers no right for the withdrawal of the bid after it has been opened. No bidder may withdraw his bid after the time set for the opening thereof.

A.3

Bidder Complies: Yes () No ()

It is the intent of these specifications to secure competitive proposals to provide for the construction and delivery of one ambulance. These specifications detail the requirements for the design criteria of the specifications desired which has been researched to best fit the current needs of the Purchaser.

A.4

The Ambulance shall be the latest type, carefully designed and constructed with due consideration to the nature and distribution of the load to be sustained. Bidder is required to provide weights of similar vehicles for comparison.

- 1. Vehicle Type _____ Year _____
 Body Length _____
 Unloaded Weights:
 Front: Left _____ Right _____
 Rear: Left _____ Right _____
 Total Curb Weight _____
 Owner of Vehicle _____
 Contact Person _____

- 2. Vehicle Type _____ Year _____
 Body Length _____
 Unloaded Weights:
 Front: Left _____ Right _____
 Rear: Left _____ Right _____
 Total Curb Weight _____
 Owner of Vehicle _____
 Contact Person _____

- 3. Vehicle Type _____ Year _____
 Body Length _____
 Unloaded Weights:
 Front: Left _____ Right _____
 Rear: Left _____ Right _____
 Total Curb Weight _____
 Owner of Vehicle _____
 Contact Person _____

A.5

Bidder Complies: Yes () No ()

In evaluating the bid proposals to determine which proposal is the most advantageous, these major items shall be considered. Commitment for delivery time, length and terms of warranties, manufacturer's location and track record, location of post delivery service and parts, compliance with bid specifications, completeness of bid and information supplied, etc. The department is seeking proposals from manufacturers of quality equipment with a documented history for a quality final product and post delivery service.

A.6

Bidder Complies: Yes () No ()

If a bidder represents more than one (1) manufacturer, they shall only bid the top of the line manufacturer meeting the specifications.

A.7

Bidder Complies: Yes () No ()

These specifications, together with any other documents required herein, shall be included in the final contract. Each bidder shall submit a copy of their contract form. The Purchaser reserves the right to reject a bid based on unacceptable provisions of a bidder's contract.

A.8

Bidder Complies: Yes () No ()

Units proposed shall closely meet the specific requirements and intent of the requirements as specified herein. All items of these specifications shall conform to the character of the proposed equipment, and the purpose for which it is intended. Delivery shall be an important subject of evaluation. Delivery and acceptance by the Purchaser of the ambulances bid specified components shall not exceed three hundred (300) calendar days or less from signing of the agreement. **Exceptions may be listed, but not necessarily accepted.**

A.9

Bidder Complies: Yes () No ()

All bids must be signed by an officer of the manufacturing company or by an officer of an authorized distributor. Failure to do so shall cause the bid to be considered non-responsive and rejected. **No Exceptions.**

A.10

Bidder Complies: Yes () No ()

These specifications are based upon design and performance criteria which have been developed by the Purchaser as a result of extensive research and careful analysis of the Purchaser's needs. Proposals taking total exception to the bid specifications shall not be considered by the Purchaser. Further, major exceptions to the specification shall not be accepted. Certain other exceptions may be accepted if they are equal or superior to that which is specified. Bids with no exceptions may be given preference over those with exceptions. The Purchaser shall determine which (if any) exceptions, other than those for items labeled "No Exceptions," are acceptable. This determination shall be final.

A.11

Bidder Complies: Yes () No ()

Each bidder shall indicate compliance with these specifications by checking the bidder compliance question within each section of the specifications. Checking "YES" to that section shall mean full compliance with all portions of that paragraph. Checking "NO" shall mean an exception or clarification of any sort is being taken to all or part of that paragraph. Where it is specifically stated, "**No Exceptions**", none shall be tolerated and may be cause for immediate rejection of bid. Bidder must underline in red ink any portion of the section which will not be provided as specified. All exceptions must be fully explained on a separate page, giving reference to the page number and the section where the exception is being taken. Sufficient explanation and documentation shall be provided so that this agency may evaluate exception.

A.12

Bidder Complies: Yes () No ()

Exceptions shall be referenced to the paragraph, page number and item number of these specifications where the item appears, and drawings or photographs and technical information

about the exception shall be provided with the bid proposal. Any exceptions taken may be considered during the bid evaluation process. The Purchaser shall be the sole judge as to the acceptability of any of the items listed as exceptions, and the decision of the Purchaser shall be final. **No Exceptions.**

A.13 **Bidder Complies: Yes () No ()**
Any bidder who takes few or no exceptions with the intent of requesting substantial changes in material or design features shall be subject to prosecution for “Bait and Switch” Fraud to the fullest extent of applicable State and Federal law.

A.14 **Bidder Complies: Yes () No ()**
Proposals taking total exception to these specifications shall not be considered.

A.15 **Bidder Complies: Yes () No ()**
The supplier/dealer shall comply with all Federal Equal Employment Opportunity (EEO) statutes where relevant or applicable, to the end that no person shall, on the grounds of race, color, creed, age, sex, or marital status, sensory, mental or physical handicap or national origin, be excluded from participation in, or be deprived of the benefits of, or be otherwise subjected to discrimination.

A.16 **Bidder Complies: Yes () No ()**
The bidder and apparatus manufacturer shall certify that there is no litigation or pending litigation against either the bidder or manufacturer that shall interfere or delay the construction or delivery of the apparatus as specified. Bids may be rejected on the basis listed above. **No Exceptions.**

A.17 **Bidder Complies: Yes () No ()**
As a result of the selection of a vendor to supply products and/or services to the Purchaser, the Purchaser is neither endorsing nor suggesting that the vendor's product is the best or only solution. The vendor agrees to make no reference to the Purchaser in any literature, promotional material, brochures, sales presentation or the like without the express written consent of the Purchaser. All materials submitted in response to this request become the property of Island County Fire District #1. Selection or rejection of a response does not affect this right. **No Exceptions.**

A.18 **Bidder Complies: Yes () No ()**
Any information contained in the bid submitted that is proprietary must be clearly designated. Marking the entire bid as proprietary will be neither accepted nor honored. If a request is made to view a vendor's bid, the Purchaser will comply according to the Open Public Records Act, Chapter 42.17 RCW. If any information is marked as proprietary in the proposal, such information will not be made available until the affected vendor has been given an opportunity to seek a court injunction against the requested disclosure. **No Exceptions.**

A.19

Bidder Complies: Yes () No ()

Ambulance and equipment must meet the specific requirements and the intent of the requirements as specified herein. All items of these specifications shall conform to the character of the proposed Ambulance and the purpose for which it is intended.

A.20

Bidder Complies: Yes () No ()

The Ambulance and equipment to be furnished in meeting these specifications must be the product of an established reputable emergency vehicle QVM certified manufacturer. Each bidder shall furnish satisfactory evidence of the manufacturer's ability to construct, supply service, parts, and provide technical assistance for the vehicle specified. Bidder shall provide name, address, and phone number of the nearest facility which meets the following criteria:

1. Facility is under direct control of bidder to insure prompt service.
2. Facility has the needed equipment, (i.e., press brake, shear, plasma cutter, paint booth, etc.) to fabricate major body parts.
3. Facility has the ability and authority to properly remount module body bid without affecting manufacturer's warranties.
4. Facility is a Ford QVM member.
5. Facility is a member of NTEA (National Truck equipment Association)

Name _____

Address _____

Phone _____

A.21

Bidder Complies: Yes () No ()

The manufacturer shall defend any and all suits and assume all liability for any claim against the purchaser for the use of any patented process, device, or articles forming any part of the emergency vehicle proposed. Each bidder shall supply proof of \$5,000,000 product liability and facility insurance or show proof of being listed on manufacturer's \$5,000,000 product liability and facility insurance policy.

A.22

Bidder Complies: Yes () No ()

The vehicle shall be tested and approved prior to delivery and all records of same shall be submitted at time of delivery. Bidders shall state the amount of mileage the vehicle will have on it at the time of delivery.

Approximate mileage at delivery: _____

A.23

Bidder Complies: Yes () No ()

The manufacturer shall supply one (1) copy of parts, service, and operational manuals at delivery of the proposed ambulance. Manuals shall include "As Built" body wiring diagrams.

A.24

Bidder Complies: Yes () No ()

Bids shall be addressed and submitted in accordance with the "Call For Bid Cover Letter". Bid envelope must be identified with the words "**Ambulance Bid**", the opening date, and time on the face of the envelope.

A.25

Bidder Complies: Yes () No ()

All bid prices shall be F.O.B. destination on a delivered and accepted basis of the finished vehicle. If a drive out allowance is allowed, it will be shown on the proposal page as a separate deduct amount, complete with details explaining the drive out procedure.

A.26

Bidder Complies: Yes () No ()

The successful bidder will be responsible for preparing and maintaining a record file of all parts and assemblies used to manufacture the emergency vehicle. These records shall be maintained in the factory of the bidder for the life of the apparatus. File shall contain copies of any and all reported deficiencies, all replacement parts required to maintain the apparatus, and original purchase documents including specifications, contract, invoices, incomplete chassis certificates, quality control reports, and final delivery acceptance documents.

A.27

Bidder Complies: Yes () No ()

Due to the technical nature of this project, bidders are required to provide detailed drawings and detailed specifications of exactly what they are proposing. Bids not providing these required support documents shall be deemed non-responsive and rejected.

Drawings shall include four (4) exterior views showing lights, equipment, stripes, lettering, etc. and four (4) interior drawings showing cabinets, benches, equipment placement, etc.

The use of standard drawings and standard specifications or copies of bid drawings does not constitute detailed drawings and detailed specifications and shall not be considered. In order to make evaluations of proposals as quick and concise as possible, manufacturers detailed specifications shall be in the same order as the bid document. Minor details of construction and materials, where not otherwise specified, are left to the discretion of the vendor, who shall be solely responsible for the design and construction of all features.

A.28

Bidder Complies: Yes () No ()

Some items have been specified by brand name or model number. These have been carefully selected because of their reliability, the availability of parts and service, or uniformity with this department. In order to be responsive, items specified by brand name and or part number named shall be contained in bid proposals.

A.29

Bidder Complies: Yes () No ()

The purchaser reserves the right, before awarding the bid, to require a bidder to submit evidence of their qualifications as may be deemed necessary.

A.30

Bidder Complies: Yes () No ()

Manufacturer shall warrant new apparatus of its own manufacture against defective workmanship and materials for a period of at least two years from the date of delivery to the purchaser. A lifetime module body warranty shall be provided. Under this warranty, manufacturer's liability is limited to furnishing purchaser, without cost, parts and labor required

to replace defective material or workmanship when there is no indication of misuse, neglect, improper maintenance, accident, or overloading the apparatus. Defects shall be reported to Vendor in writing by the purchaser within the warranty period. Parts and labor will be supplied after inspection by an authorized agent of the manufacturer. Defective parts shall be returned prepaid by purchaser to Vendor when requested. Warranty shall begin upon acceptance of the manufactured apparatus by the purchaser. All warranties included with this proposal shall be provided by the respective manufacturer and included with bid proposal.

A.31 **Bidder Complies: Yes () No ()**

Complete details of the manufacturers' warranty shall be provided with the bid proposal. All standard and available warranties shall be transferred to the Purchaser with the assistance of the manufacturer.

A.32 **Bidder Complies: Yes () No ()**

All bidders shall provide bid security in the amount of ten percent (10%) of the total bid price, payable by bidder to the purchaser. Such security may be in the form of a bid bond in form and from a surety company reasonably acceptable to purchaser, a cashier's check, or other security acceptable to purchaser. Bonds which do not show the bidder as "principal" shall be rejected as unenforceable and bid deemed non-responsive.

In case of failure or refusal of the successful bidder to enter into a contract, the bid security submitted with the bid may be forfeited as liquidated damages because of such a failure.

A.33 **Bidder Complies: Yes () No ()**

The successful bidder may be required to execute and deliver to the purchaser a Performance Bond in the amount of 100% of the contract price, in form and from a surety company reasonably acceptable to purchaser. The bond shall show the bidder as the "principal" and provide for a 100% guarantee that the bidder will deliver the apparatus and equipment per the bid specifications. The bond shall extend to the warranty provided by the bidder/manufacturer for one (1) year past delivery date, beyond which time the bidder/manufacturer will maintain continued responsibility for the remaining term of the warranties. Bidder shall state cost of such bond on price sheet. Requested bonds will only be acceptable if the bidder is listed as the principal on the bonds. Bonds from manufacturers will not be acceptable unless they are the bidder and will be a party to the contract.

A.34 **Bidder Complies: Yes () No ()**

Bidder shall provide an inspection visit for two representatives of this agency. Air and or ground transportation, meals and lodging shall be provided.

A.35 **Bidder Complies: Yes () No ()**

As this agency expects to remount this vehicle at some future date, bidder shall supply a copy of the manufacturer's current remount warranty with the bid. If the manufacturer does not provide remount services bidder shall provide the name, address, phone, and history of the company who does provide the remount services, a current copy of their remount warranty and \$5,000,000 product liability insurance policy.

FORCE MAJEURE

The Vendor shall not be charged with liquidated damages or any excess cost when delay in delivery of goods is due to:

1. Any preference, priority of allocation order duly issued by the Government;
2. Unforeseeable cause beyond the control and without the fault, or negligence of the Vendor, including but not restricted to, acts of God, or of the public enemy, acts of the Buyer, acts of another Contractor in the performance of a contract with the Buyer, fire, flood, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather; and
3. Any delays of subcontractors occasioned by any of the causes specified in the two immediately preceding clauses. Provided that the Vendor shall, within seven (7) days from the beginning of such delay, notify the Buyer, in writing, of the causes of the delay whereupon the Buyer shall ascertain the facts and extent of the delay and notify the Vendor within a reasonable time of its decision in the matter.

INTER-LOCAL AGREEMENT

Pursuant to Revised Code of the Washington (RCW) 39.34.030(5), any public agency or agencies in Washington may purchase or otherwise utilize this contract provided the public agency or agencies that awarded the original contract complied with all statutory notice and contracting requirements.

Public or purchasing agencies from Oregon and Washington may utilize this contract for interstate cooperative procurements, according to the requirements of ORS 279a.220 and RCW 39.34.

SECTION B-WRITTEN PROPOSAL

B.0

Bidder Complies: Yes () No ()

Each bid shall be accompanied by a detailed description (Manufacturer's proposal) of the work and equipment it proposes to furnish. It is the intent of these specifications to provide for the delivery of a complete and sound ambulance package as specified. Minor details of construction and materials, where not otherwise specified, are left to the discretion of the contractor, who shall be solely responsible for the design and construction of all features.

B.1

Bidder Complies: Yes () No ()

Some items in these specifications may have been specified by brand name or model number. These have been carefully selected because of their quality, reliability, and availability of replacement locally. In order for proposals to be considered responsive, equipment specified, or approved equals shall be contained in bid proposals.

B.2

Bidder Complies: Yes () No ()

All proposal specifications shall be submitted in the same order as herein specified. This shall facilitate the comparison of bids. Failure to comply with this requirement shall result in rejection of the bid. **No Exceptions.**

B.3

Bidder Complies: Yes () No ()

The Purchaser shall be the sole judge as to the acceptability of any item proposed as an equivalent to any specified item. Supporting technical information, literature, chassis manuals,

samples & other support material shall be provided with proposal on items not provided in accordance with the specifications.

SECTION C-SPECIAL CONDITIONS

No bid shall be considered unless the bidder can meet the special conditions stated herein.

C.0 **Bidder Complies: Yes () No ()**
The bidder/dealer shall be the authorized distributor of the equipment proposed, and shall provide a notarized statement as to such with the bid proposal. Bids not complying with this provision are not acceptable. **No Exceptions.**

SECTION D-PRICE-PAYMENT-DELIVERY

D.0 **Bidder Complies: Yes () No ()**
All prices quoted shall be valid for a period of not less than ninety (90) days after bid opening.

D.1 **Bidder Complies: Yes () No ()**
All bids shall be submitted on the enclosed bid form of these specifications. The form shall be completely filled out with all information requested, or the bid may be rejected as unresponsive. **No Exceptions**

D.2 **Bidder Complies: Yes () No ()**
Total price on specified bid form shall include all items and components as listed in these specifications. Listing any items contained in these specifications as an extra cost item, unless otherwise specified, shall automatically be cause for rejection. Pre-payments options (if available) shall be included in the proposal.

Purchaser retains the right to purchase the cassis outright from the manufacturer, in which case the Vendors bid price shall be reduced by the amount reflected on the Bid Form.

D.3 **Bidder Complies: Yes () No ()**
Any erasures, strikeovers and/or changes to prices written in numerals shall be initialed by the bidder. Failure to initial may be cause to reject the bid as irregular and disqualified from consideration.

D.4 **Bidder Complies: Yes () No ()**
Bidders shall state the maximum delivery time based on number of calendar days from date of the signed agreement by the Purchaser. The delivery and final acceptance by the Purchaser of the ambulance shall be within three hundred (300) days or less after signing of a formal agreement. Penalty fees of one hundred dollars (\$100) per day shall be assessed for late deliveries past this time frame, to be taken off of the final purchase price.

D.5 **Bidder Complies: Yes () No ()**
Before final acceptance of the bid package, the ambulance box and chassis shall be tested in the presence of an authorized representative (s) of the Purchaser.

D.6

Bidder Complies: Yes () No ()

In the event that any of the units fail to meet the test requirements on first trials, second trials may be made within thirty (30) days of the date of the first trials. Housing or storing the unit shall not constitute acceptance of the unit until testing is completed.

SECTION E-CONTRACT AWARD

E.0

Bidder Complies: Yes () No ()

Bids received shall be evaluated by the Purchaser using the following criteria:

(A) Completeness of the proposal [i.e., the degree to which it responds to all requirements of these specifications].

(B) Bidders demonstrated qualifications and capabilities including ability to perform warranty work.

(C) Design and engineering reliability of major structural components, including ease of maintenance.

(D) Qualifications and capabilities of the manufacturer to produce the described equipment.

(E) Reasonableness of cost.

E.1

Bidder Complies: Yes () No ()

The Purchaser reserves the right to reject any or all bids deemed by the Purchaser to be unresponsive.

E.2

Bidder Complies: Yes () No ()

The final contract shall be awarded to the responsible bidder most closely meeting the purchaser's attached specifications, based upon the criteria of the Purchaser. Bid award shall be made within forty five (45) days of the bid opening.

E.3

Bidder Complies: Yes () No ()

The Purchaser also reserves the right to waive any informalities, irregularities and technicalities in procedure. The Purchaser is not bound to accept the low bid.

E.4

Bidder Complies: Yes () No ()

Bidders shall submit manufacturer's standard purchase contract with bid proposal, for the review of the Purchaser.

SECTION F-WARRANTIES

F.0

Bidder Complies: Yes () No ()

Each bidder shall submit a copy of the warranty to be supplied with the completed apparatus. The warranty shall be reviewed for exceptions and limitations. It must meet or exceed the minimum warranties specified below:

F.1 **Bidder Complies: Yes () No ()**
General Warranty: The bidder shall warranty the ambulance to the original Purchaser against defects in material and workmanship for a period of two (2) years from the date of delivery to the original Purchaser. This is to be, at minimum, a limited warranty, to include parts & labor.

F.2 **Bidder Complies: Yes () No ()**
Complete details of the manufacturers' warranty shall be provided with the bid proposal. All standard and available warranties shall be transferred to the Purchaser with the assistance of the manufacturer.

F.4 **Bidder Complies: Yes () No ()**
Parts for repair of the ambulance shall be available for a minimum of 7 additional years after the purchase date.

SECTION G-MATERIAL AND WORKMANSHIP

G.0 **Bidder Complies: Yes () No ()**
All equipment provided shall be guaranteed to be new and of current manufacture, unless specified otherwise, to meet all requirements of these specifications, and to be in intended use condition at time of acceptance.

G.1 **Bidder Complies: Yes () No ()**
All workmanship shall be of the highest quality and accomplished in a professional manner so as to insure a functional apparatus with an aesthetic appearance.

G.2 **Bidder Complies: Yes () No ()**
All materials used shall be of the highest quality available. Second rate or poor quality components are not desired by the Purchaser. The Purchaser shall be the sole judge of quality materials and workmanship, as judged by inspection of deliveries within the State of Washington.

SECTION H-PURCHASER'S DESIGNATED CONTACT:

H.0 **Bidder Complies: Yes () No ()**
For questions regarding these specifications or the bidding process, bidders may contact Assistant Chief Darin Reid at (360) 629-2184, during normal office hours, Monday through Thursday.

H.1 **Bidder Complies: Yes () No ()**
Contact with any elected officials of the Purchaser regarding these specifications or bid process for the duration of the bid process is discouraged.

SECTION I-POST BID ACCEPTANCE CHANGE ORDERS:

I.0 **Bidder Complies: Yes () No ()**
Any change orders requested by either the Purchaser or Vendor after bid acceptance must be made solely by the Purchaser's designated contact person.

I.1

Bidder Complies: Yes () No ()

All change orders by the Purchaser must be in writing or by email originating from the Purchaser's designated contact. Vendor change requests that vary from the bid specifications must be approved in writing or by email originating from the designated contact listed by the purchaser.

BID FORM

**CAMANO ISLAND FIRE & RESCUE
Island County Fire District #1
525 E. NORTH CAMANO DRIVE
CAMANO ISLAND, WA. 98282**

Manufacturer's Names

Bidder's Name & Address

Person to contact: _____

After reviewing the attached specifications and information, we the above listed supplier, hereby submit the following bid proposal to the above for the furnishing of one (1) ambulance.

Chassis cost alone: \$ _____

Complete cost for one (1) ambulance (including chassis) \$ _____

(Applicable Sales Tax shall be included in the above pricing)

Delivery shall be three hundred (300) calendar days or less from time of agreement (See article D.4).

Are there any exceptions to the specifications: **Bidder Complies: Yes () No ()**

Authorized International Chassis Service Center name & address: _____
Phone #: _____

Authorized ambulance manufacturer's Service Center address: _____
Phone #: _____

Bidder hereby certifies all the above information to be true and correct. In addition, by signing this bid form, bidder hereby agrees this bid is made without fraud or collusion on the part of the bidder, manufacturer or any of its employees. Bidder also certifies that they are not suspended or disbarred from receiving Federal funds.

Bidders Name **Title** **Date**

Notary Public

Seal:

INVESTMENT:

Year _____ Make _____ Model _____ Price _____
Sales Tax _____
Total _____

Payment Terms: The above vehicle price shall be based upon a 90% payment being made upon receipt of vehicle with the balance due in 30 days.

Drive out allowance included in above price _____
Inspection visit allowance _____
100% Performance Bond – If required ADD _____

The price quoted above shall remain firm until _____

Delivery: Calendar days after receipt of order _____

Bidder _____
Signed _____
Address _____
Phone _____

Motor Vehicle Dealer License: State _____ # _____

1 CHASSIS

1.01 OEM CHASSIS **Bidder Complies: Yes () No ()**

- 2009 International 4400 SBA LP, 4 x 2, (MH035) chassis
 - Warranty is a twelve (12) month basic “bumper to bumper”
 - 96 Months/3,600 Hours/100,000 Miles engine warranty
 - 60 Months unlimited parts and labor transmission warranty
 - Chassis provided by Manufacturer
 -

1.01.01 SPECIFIC RATINGS **Bidder Complies: Yes () No ()**

- Drive – 4 x 2
- GVW Capacity – 20,000 lbs
- Wheelbase – 175”
- Cab to Axle 107.9”
- Ratio 4.33 (74.9 mph max.)

1.01.02 POWERTRAIN **Bidder Complies: Yes () No ()**

- Engine – International MaxxForce 9
 - 330 hp; 2200 GOV RPM, 950 lb/ft. @ 1200 RPM
 - Block heater, 1250 watt
 - Exhaust brake
- Transmission – Allison 3000EVS_P
 - Automatic, 6 speeds forward, (one (1) reverse)
 - With provisions for PTO, less retarder
- Engine Cooling System
 - Aluminum Radiator, 2-Row cross flow over under system
 - 816 Sq. In. Louvered, with 313 Sq. In. Charge Air Cooler
- Exhaust
 - Exhaust system in accordance with Federal Motor Carrier Safety Regulations, Part 393.83
 - Single, horizontal, frame mounted right side back of cab
 - Tailpipe outlet shall not terminate within six (6) inches of the vertical axis of the fuel tank filler openings

1.01.03 STEERING **Bidder Complies: Yes () No ()**

- Power – TRW Ross TAS-40
- Tilting Column
- 18” steering wheel

1.01.04 AXLES AND SUSPENSION **Bidder Complies: Yes () No ()**

- Front Axle – Dana Spicer D800-F, I-Beam type, 8,000 lb Capacity
- Front Suspension – Spring Parabolic, Taper Leaf, 8,000 lb Capacity,
- Rear Axle – Single Dana Spicer 17060S, Single Reduction, 17,500 Capacity
- Rear Suspension – Ride Optimized Suspension, 12,000 lb. Capacity, 5.3” ride height
- Front and Rear Shock Absorbers
- Relocate air tanks moved to inside frame rail

1.01.05 BRAKING SYSTEM Bidder Complies: Yes () No ()

- Front – Air Cam S-Cam 15.00 x 5”
- Rear – Air Cam S-Cam 15.00 x 8.63”
- ABS Air Brake – Bendix Antilock Brake System
- Parking Brake – Spring Actuated, on instrument panel
- Air Compressor – Bendix 13.2 CFM
- Air Dryer – Meritor-Wabco System Saver 1200
- Drain Valve – Automatic, Bendix DV-2, with heater

1.01.06 TIRES AND WHEELS Bidder Complies: Yes () No ()

- Front Tires – Two (2) Goodyear, 245/70R, 19.5 G647, 12 ply
- Rear Tires – Five (5) Goodyear, 245/70R, 19.5 G647, 12 ply
- Wheels – Seven (7) 19.5” polished stainless steel with polished stainless steel outside lug nut covers. Air Max valve stem extensions shall be installed on the rear dual wheels.

1.01.07 ELECTRICAL Bidder Complies: Yes () No ()

- Alternator – 270 Amp Leece-Neville 4949PA
- Batteries – Three (3) International Maintenance-Free, 12-Volt, 2100CCA
- Starting Motor – Leece Neville M130D, 12V, with Thermal Over-Crack protection

1.01.08 INSTRUMENT PANEL AND CONTROLS Bidder Complies: Yes () No ()

- Gauges
 - Odometer Display – Miles, trip miles, engine hours, trip hours
 - Coolant temperature – Electronic
 - Oil Pressure – Electronic
 - Transmission Oil Temperature
 - Speedometer – Electronic
 - Tachometer – Electronic
 - Fuel – Electronic
 - Voltmeter
 - Air Cleaner Restriction
 - IP Cluster Display

- Warning System – Lights and Buzzer
 - Low Fuel
 - Low Oil Pressure
 - High Engine Coolant Temperature
 - Low Battery Voltage
- Controls
 - Cruise – Controls integral to steering wheel
 - Hand Control Throttle – Electronic, mounted on steering wheel
 - Starter switch – electric key operated
- Back Up Alarm – 102 dBA
- Audio – OEM AM/FM/CD

1.01.09

CAB EXTERIOR

Bidder Complies: Yes () No ()

- Cab – Conventional Steel
- Front End – Three (3) piece, tilting, fiberglass
- Grille – Chrome
- Front Bumper – Full width, aerodynamic, chrome plated steel
- Tow Hooks – Front, two (2) frame mounted
- Steps – One per door
- Mirrors – Lang Mekra
 - Rectangular, 7.09” x 15.75”; Breakaway brackets – 102” spacing
 - Integral Convex
 - Powered, Heated heads
 - LED Clearance Lights (Section 1.02.02X related)
- Windows – Tinted glass
- Lighting
 - Five (5) flush mounted Amber LED clearance lights
 - Headlights – Long Life Halogen, Composite Aero design for two light system, including daytime running lights
 - Front turn signals – flush mounted, reflectors and auxiliary side turn signals
 - Parking Light – Integral with Front Turn signal and Rear Tail Light
- Horns
 - Grover – Air – dual trumpet, Mounted behind bumper on right rail
 - Air Horn Switch in Instrument Panel and an overhead horizontal activation “pull chain” located close to the left of the passenger
 - Driver control, air horn switch at steering wheel
- Windshield Wipers – Electric two-speed integral, Wash and Intermittent Feature
- Fuel Tank – 50 Gallon, top draw, mounted right side, under cab.
-

1.01.10**CAB INTERIOR****Bidder Complies: Yes () No ()**

- Interior – Premium Trim / Smoke Gray
- Cab Sound Insulation
- Headliner – Printed cloth
- Sun Visors – Padded vinyl
- Door Trim – Molded plastic
- Floor – Black Rubber
- Seats – Driver and Passenger
 - Air Suspension, high back with integral headrest, vinyl, -3 to +14 degree seat back adjustment, air lumbar support
 - Molded Plastic armrest on doors, and right driver and left passenger arm rests
- Seat Belts – 3-point, lap and shoulder belt type, red
- Air Conditioner, Heater & Defroster
- Lighting
 - Dome light center mounted, rectangular
 - Two (2) courtesy lights mounted under instrument panel
- 1. Electrical
 - 12 Volt system
 - Manual reset circuit breakers
 - 12 Volt receptacles (Cigar Lighter and Power Source)
 - Body builders wiring
- Provision for Remote mounted Engine Control
 - Wiring for Body Builder installation of PTO controls
 - Ignition switch control
- 2. Additional Options
 - Overhead console
 - Coat hook
 - One (1) “A” pillar grab handle
 - Two (2) Grab Handles
 - Power Door Locks & Windows
 - Temperature/Compass in overhead console

1.01.11**COATINGS****Bidder Complies: Yes () No ()**

- Cab – White (#9219)
- Chassis Interior – Gray

1.02**CHASSIS MODIFICATIONS**

The following modifications will be made to the chassis by manufacturer.

1.02.05A**RUNNING BOARDS/ TANK COVERS****Bidder Complies: Yes () No ()**

Diamond plate step well covers shall be installed on both the curb and street side cab step wells. The covers shall be made of .125” thick polished diamond tread plate with a minimum 3003-H14 alloy. The covers shall include a Kwikkee pull out tray for chassis batteries.

1.02.08C**RECOVERY HOOKS/EYES****Bidder Complies: Yes () No ()**

Two (2) rear recovery eyes shall be installed in an 6.75”W x 6.75”H x 4.375”D recessed pocket. Eyes shall be 1.8125” ID bolted to frame. These tow eyes shall not be used for towing or lifting of emergency vehicle.

- 1.02.09B RUBBER MUD FLAPS Bidder Complies: Yes () No ()**
 Shall be installed behind each rear wheel.
- 1.02.11A AIR HORN Bidder Complies: Yes () No ()**
 Shall be dual trumpet Grover air horns and be mounted on the sides of the hood. Horn shall utilize chassis air system.
- 1.02.12A MAP BOX/DRIVER'S CONSOLE Bidder Complies: Yes () No ()**
 Shall be an integral part of the driver's console. (Section 6.09 Related)
- 1.02.14B AIR SUSPENSION Bidder Complies: Yes () No ()**
 The automatic drop system shall be activated by the module streetside rear door. An override switch shall be located on the driver's console.
- 1.02.36A AUXILIARY COMPRESSOR/CONDENSER Bidder Complies: Yes () No ()**
 An auxiliary air conditioning compressor and bracket shall be added to the OEM engine and a roof mount condenser shall be added to the chassis roof, with an aluminum cover painted to match the chassis.

1.03 MODULE-TO-CHASSIS MOUNTING SYSTEM

- 1.03.01 MODULE MOUNTING SYSTEM Bidder Complies: Yes () No ()**
 The module shall be bolted to the chassis frame in twelve (12) locations. Each mounting location shall include a hard rubber isolation pad between the chassis frame and the module lateral frame. Eight (8) 3/4" Grade 5 bolts shall extend through the lateral and sides of the frame member and bolt to the web of the chassis frame with a 3/4 Grade 5 bolt. The four (4) rearmost bolts shall be 5/8" bolts. All bolts shall be secured with locking nuts.
- 1.03.02 CAB-TO-MODULE ATTACHMENT Bidder Complies: Yes () No ()**
 The module shall be attached to the cab with a flexible watertight boot to allow cab-body flex as designed by the chassis manufacturer. The chassis back shall be modified and reinforced with a welded steel framework. The rear window openings on each side of the module access shall be covered with 18 ga. steel and painted to match the body.

2 MODULAR CONSTRUCTION

All material utilized shall be of the correct type, alloy, and thickness to withstand the intended usage and provide protection against cracking, corrosion, or metal fatigue. All materials utilized shall be of open stock origin, commonly available through local sources, for rapid and economical repair or modification of the body. Any use of proprietary parts or materials in the construction of the body is unacceptable, due to potential delays or difficulties in future repairs or service. NO EXCEPTIONS TO BE TAKEN IN THIS AREA. This specification has been designed and written to fill specific needs of this agency. Where brand name, make, or model of equipment has been specified, no exceptions will be allowed. Where compartment and cabinet sizes have been specified, bidder must bid substantially (plus or minus 1") the size specified. The module shall have a transferable lifetime structural warranty.

2.01 MATERIAL Bidder Complies: Yes () No ()

EXTRUSIONS	SIZE	ALLOY
Structural Tubing	1" x 2" x 0.125" sq.	6063-T52
Structural Tubing	2" x 2" x 0.125" sq.	6063-T52
Cross Members	3" x 3" x 0.375"	6061-T6
Cross Members	1.5" x 3" x 0.25"	6061-T6

FORMED SHEETING	SIZE	ALLOY
Skin/Roof/Compartments/Subfloors/Doors	0.125"	5052-H32
Interior Cabinets	0.090"	5052-H32
Diamond Plate	0.125"/0.08"	3003-H32
Stainless Steel	16 ga., 20 ga.	304 # 4B

2.02X MODULE DIMENSIONS Bidder Complies: Yes () No ()

Drop Skirting 4"

Overall Vehicle Dimensions: (Specifications are listed as minimums.)

Length: 24' 3" (291")

Width: 8' 0" (96") (Excluding Mirrors)

Height: 9' 0.625" (108.625")

Exterior Module Dimensions: (Specifications are listed as minimums.)

Length: 14' 3" (171")

Width: 8' 0" (96")

Height: 7' 8.375" (92.375")

Interior Dimensions: (Specifications are listed as minimums.)

Length: Forward Wall to Rear Doors 163"

Width: Left Wall to Right Wall 91"

Floor Width: Left Cabinets to Squad Bench 44"

Height: Floor to Ceiling 72"

Load Height: Ground to Floor Height 33"
(Approximate with air suspension dropped)

2.03 STRUCTURAL FRAMING Bidder Complies: Yes () No ()

Sidewall and rear wall construction shall consist of 2" x 2" x 0.125" aluminum square tubing extensions welded together with a maximum of 14" centers. 1" x 2" x 0.125" aluminum tubing may be utilized in addition to 2" x 2" tubing to accommodate custom compartment sizes. The bottom of the wall structure shall be sealed with welded 2" x 2" tube, 2" x 2" angle or 0.125" plate depending upon location. Wall structure shall be capped with 2" x 2" x 0.125" header upon which 2" x 2" x 0.125" roof structure is welded. This process provides a unitized roll cage structure for greater occupant safety. The front wall structure shall be constructed of a minimum of 1.250" x 3.875" x 0.125" formed aluminum channel to allow ample space for wiring raceways, heater A/C hoses, and cold air return duct.

2.04 FOUNDATION SYSTEM Bidder Complies: Yes () No ()

Shall consist of a 0.125" aluminum sheet subfloor with foundation members securely welded under the subfloor. Members shall consist of six (6) 3" x 3" x 0.375" structural

such a way as to maximize the compartment space to allow for storing additional equipment.

COMPARTMENT #2 **Bidder Complies: Yes () No ()**

Interior Dimensions – 47.5"W x 43"H x 23.75"D

Doorway Dimensions – 47.5"W x 43"H

Location – Streetside, forward of wheel well

Shelving – None

Door(s) – Double

Light(s) – LED Rope Lighting

Additional Instructions – There shall be a center vertical partition. Unistrut shall be installed on the fore, aft and back walls in the aft portion of the compartment. A closeout for drawer, sharps and waste shall be installed in the upper rear corner. A spring hanger close out shall be located in right rear corner of the compartment that allows for leaf spring travel. The compartment shall be vented by louvers in the upper portion of the doors.

COMPARTMENT #3 **Bidder Complies: Yes () No ()**

Interior Dimensions – 32.5"W x 67"H x 23.75"D

Doorway Dimensions – 32.5"W x 67"H

Location – Streetside, rear

Shelving – One (1) adjustable

Door(s) – Single

Light(s) – LED Rope Lighting

Additional Instructions – This compartment shall have a Zico cylinder holder setup for storage of an "M" or "H" size cylinder. A fixed center vertical divider shall be installed. Unistrut shall be installed in the aft portion 36"L on the fore and aft walls; 16" from the floor. The compartment light shall be located on the ceiling above the oxygen area. The compartment shall be vented by louvers in the upper and lower portion of the door.

COMPARTMENT #4 **Bidder Complies: Yes () No ()**

Interior Dimensions – 29"W x 80"H x 23.75"D

Doorway Dimensions – 29"W x 80"H

Location – Curbside, rear

Shelving – Three (3) adjustable

Door(s) – Single

Light(s) – LED Rope Lighting

Additional Instructions – Two (2) fixed vertical dividers shall be installed in this compartment as to allow for the placement of one Ferno clamshell backboard and 2 – 72"x19"x2½" spine boards.

COMPARTMENT #5 **Bidder Complies: Yes () No ()**

Interior Dimensions – 26"W x 69"H x 23.75"

Doorway Dimensions – 26"W x 69"

Location – Curbside, forward

Shelving – See Cabinet #19

Door(s) – Single

Light(s) – None

Additional Instructions – This compartment shall provide inside/outside access with a full width stainless steel threshold on the floor level shelf. There shall be storage located below the floor.

SCBA CYLINDER STORAGE

Bidder Complies: Yes () No ()

Location – fore and aft of each wheel well.

Additional Instructions – Each storage tube shall have a Cast Products AD0013 door and be lined with gray easy sweep mat.

2.09.01

DOOR SEAL

Bidder Complies: Yes () No ()

Each doorframe will have a 0.875" flange for the installation of an air cell hollow core, 360-degree compression door seal. This seal creates watertight, dust-free compartment integrity. Door seal shall be knock-on type.

2.09.02

DOOR HINGES

Bidder Complies: Yes () No ()

Shall be full length, piano type, stainless steel hinges, 2.5" wide with a 0.25" pin. The hinges shall be attached with 12 x 3/4 stainless steel truss head screws spread 4" apart and staggered 0.5" horizontally for additional strength and adjustability. Hinges shall be staked every 4". All curbside and streetside doors shall be hinged on the forward sides. All rear doors shall be hinged on the outboard sides.

2.09.03

DOOR LATCHES

Bidder Complies: Yes () No ()

Shall be flush mounted, stainless steel, Versch paddle type slam latches with rotary latch striker posts, which meet FMVSS 206 requirements. Striker shall be adjustable and shall be secured with a nut from behind doorframe. The striker washer will not be removed. Cold rolled, threaded 0.162" steel rods shall be used to activate dual rotary latches. Once final adjustments to latches are made, threads are to have Loctite or equivalent applied. All double door compartments shall have an exterior stainless steel paddle handle and rotary latches on each door, eliminating latch interference with adjustable shelves. Doors will latch to doorframe mounted striker posts only and not to one another. All entrance doors shall have interior handles with dual point, rod actuated, rotary latch systems, which are lockable inside and out. All latches will have a non-slip surface on the underside of the latch. All compartment and module access doors shall be keyed for #510CH keys.

2.09.04

COMPARTMENT DOOR CONTROL

Bidder Complies: Yes () No ()

A heavy-duty, double spring door control capable of holding the door open at approximately a 90-degree angle on any road surface shall be installed at the top of each compartment door.

2.09.05

CURBSIDE DOOR CONTROL

Bidder Complies: Yes () No ()

Shall be a heavy-duty, double spring door check installed at the top of the door. This door check will hold the passage door open at approximately a 90-degree angle on any road surface.

2.09.06

REAR DOOR CONTROL

Bidder Complies: Yes () No ()

Shall be Cast Products "grabber" type hold-open devices with replaceable rubber catches.

2.09.07 **COMPARTMENT DOOR SKINS** **Bidder Complies: Yes () No ()**
Shall be 0.080" bright aluminum diamond plate and be removable to service door hardware. Red/white 1" conspicuity tape shall be installed on the vertical edge of each door.

2.09.08 **ENTRANCE DOOR SKINS** **Bidder Complies: Yes () No ()**
Shall be Formica covered 0.090" aluminum plate with 20" stainless steel kick panels on the side door and 16" stainless steel kick panels on the rear doors. The door skins shall be removable to service door hardware. Red/white 1" conspicuity tape shall be installed on the vertical edge of the side passage door, the top and bottom of rear doors. Each door skin shall be two (2) pieces, split below the paddle latch.

2.09.09X **ENTRANCE DOORWAYS** **Bidder Complies: Yes () No ()**
One (1) curbside and two (2) rear module entrance doors shall be provided. The curbside doorway dimensions shall be 28" W x 73.75" H. The rear doorway dimensions shall be 49.75" W x 66" H.

2.09.10 **THRESHOLDS** **Bidder Complies: Yes () No ()**
All compartment and module access doorframes shall have full width formed stainless steel threshold plates to protect the lower edge of frame.

2.09.10 **THRESHOLDS** **Bidder Complies: Yes () No ()**
All compartment and module access doorframes shall have full width formed stainless steel threshold plates to protect the lower edge of frame.

2.10X **MODULE INTERIOR CABINETS** **Bidder Complies: Yes () No ()**
Shall be formed of 0.090" aluminum and shall be securely welded or mounted to the structural framing. All interior adjustable shelves shall be mounted on 1" wide aluminum Unistrut track.

CABINET #1 **Bidder Complies: Yes () No ()**
Dimensions – 18"W x 13.75"H x 23.75"D
Location – Streetside, forward
Shelving – One (1) adjustable
Door(s) – None
Additional Instructions – None

CABINET #2 – Electrical Cabinet **Bidder Complies: Yes () No ()**
Dimensions – 25"W x 13.625"H x 14.75"D
Location – Streetside,
Shelving – None
Door(s) – Aluminum, hinged, swing up door with a hold-open device, a non-keyed quarter turn slotted latch, and an automatic compartment light.
Additional Instructions – This cabinet shall house the electrical component module.

CABINET #3**Bidder Complies: Yes () No ()****Dimensions** – 25.25"W x 14"H x 14.75"D**Framed Opening** – 20"W x 10.9375"H**Location** – Streetside, upper**Shelving** – One (1) adjustable**Door(s)** – Sliding, clear 0.177" acrylic with felt lined anodized aluminum track, full extruded aluminum door pulls with gas shock lift system and latch**Additional Instructions** – Extend the bottom exterior of this cabinet. Two (2) oxygen outlets, and digital thermostat, shall be installed on this portion.**CABINET #4****Bidder Complies: Yes () No ()****Dimensions** – 31.375"W x 10"H x 14.75"D**Framed Opening** – 26.125"W x 6.3125"H**Location** – Streetside, upper center**Shelving** – None**Door(s)** – Sliding, clear 0.177" acrylic with felt lined anodized aluminum track, full extruded aluminum door pulls with gas shock lift system and latch**Additional Instructions** – None**CABINET #5****Bidder Complies: Yes () No ()****Dimensions** – 19.375"W x 13.25"H x 14.75"D**Framed Opening** – 14.125"W x 9.5625"H**Location** – Streetside, upper rear**Shelving** – None**Door(s)** – Sliding, clear 0.177" acrylic with felt lined anodized aluminum track, full extruded aluminum door pulls with gas shock lift system and latch**Additional Instructions** – An IV warmer with a 4" surround shall be installed in the lower forward portion of this cabinet.**CABINET #6****Bidder Complies: Yes () No ()****Dimensions** – 26.5"W x 17.625"H x 14.75"D**Location** – Streetside, upper rear**Shelving** – None**Door(s)** – Hinged, aluminum with gas shock lift system and twist/slam latch**Additional Instructions** – None**CABINET #7****Bidder Complies: Yes () No ()****Dimensions** – 19.375"W x 13.25"H x 23.75"D**Framed Opening** – 14.125"W x 9.5625"H**Location** – Streetside, upper rear**Shelving** – None**Door(s)** – Sliding, clear 0.177" acrylic with felt lined anodized aluminum track, full extruded aluminum door pulls with gas shock lift system and latch**Additional Instructions** – None**CABINET #8 – Action Area****Bidder Complies: Yes () No ()****Dimensions** – 35.875"W x 18.75"H x 23.75"D**Location** – Streetside**Shelving** – None**Door(s)** – None

Additional Instructions – It shall contain an attendant panel, portable Sscort VX-2 collector, vacuum connection, two (2) 110VAC outlets, and two (2) 12VDC outlets. The entire action wall area shall be lighted utilizing a Thin-Lite Model #612 light with 12VDC dual 11” fluorescent bulbs. Full depth counter top shall be located below the action wall. The counter top shall be one-piece 16 gauge 304 stainless steel with a 0.5” aluminum retaining lip.

A sharps and waste space (sized for a Becton-Dickinson, 8.2 Qt., sharps and a 7 Qt. waste) shall be located at the aft of the countertop and accessible thru a street side hinged acrylic door and accessible for changing thru a removable panel on top of the area. Hinge the cover toward the streetside in the action area.

CABINET #9 – Drawers

Bidder Complies: Yes () No ()

Dimensions – 13"W x 21.25"H x 24.75"D

Location – Streetside, forward of Action Area

Shelving – None

Door(s) – None

Additional Instructions – This area shall have four (4) 13"W x 5"H x 19"D metal drawers. Each drawer shall operate on 18" slides rated at 300 lbs. per set and have a gas shock hold open/closed device to ensure drawers do not accidentally open or close during operation of the vehicle. Drawers shall be formed of 16 ga. steel welded construction with an automotive gray enamel finish, and formed structural support on the sides and front of drawers. Each drawer shall have machine stamped divider supports along the side for at least four (4) dividers per drawer with four (4) adjustable dividers provided. A simplex lock shall be installed on the third drawer from the top. Open doors shall not at any point hit or interfere with the operation and positioning of the attendant seat.

CABINET #10

Bidder Complies: Yes () No ()

Dimensions – 15.75"W x 21"H x 24.75"D

Location – Streetside, forward of Action Area

Shelving – None

Door(s) – None

Additional Instructions – A 12VDC refrigerator shall be installed in this cabinet. (Section 5.28 related)

CABINET #11 – Radio Cabinet

Bidder Complies: Yes () No ()

Dimensions – 18"W x 26.375"H x 24.75"D

Location – Streetside, forward lower

Shelving – None

Door(s) – Aluminum hinged door with non-keyed latch.

Additional Instructions – This cabinet is intended for radio component storage and shall be supplied with access to power component panel. Antenna cables shall terminate in this cabinet.

CABINET #12 – Drawer

Bidder Complies: Yes () No ()

Dimensions – 13"W x 7.5"H x 24.75"D

Location – Streetside, Action Area

Shelving – None

Door(s) – None

Additional Instructions – This area shall have one (1) 13"W x 5"H x 19"D metal drawers. Each drawer shall operate on 18" slides rated at 300 lbs. per set and have a gas

shock hold open/closed device to ensure drawers do not accidentally open or close during operation of the vehicle. Drawer shall be formed of 16 ga. steel welded construction with an automotive gray enamel finish, and formed structural support on the sides and front of drawer. Each drawer shall have machine stamped divider supports along the side for at least four (4) dividers per drawer with four (4) adjustable dividers provided. Drawer shall have a hinged up cover to be used as a writing surface.

CABINET #13 – CPR Seat with Storage Bidder Complies: Yes () No ()

Dimensions – Bench: 35.625"W x 18.75"H x 23.75"D

Storage: 35.625"W x 8.125"H x 23.75"D

Location – Streetside

Shelving – None

Door(s) – Hinged aluminum bench lid, with 3" high-density foam padding covered with seamless Vinyl Naugaform formfit 2 shall provide access to the storage area. It shall have a 1.5" overhang, an automatic hold-open device, and a paddle latch. The pad shall be removable.

Additional Instructions – The squad bench seat back pad shall have 1" high density foam padding covered with seamless Vinyl Naugaform formfit 2. One (1) set of seatbelts shall be installed on the seat. The seat base to be formed from aluminum and securely anchored to sub-floor. The bottom and unfinished sides of the storage area shall be lined with indoor/outdoor carpet.

CABINET #14 Bidder Complies: Yes () No ()

Dimensions – 19.375"W x 13.25"H x 23.75"D

Framed Opening – 14.125"W x 9.5625"H

Location – Streetside, upper rear

Shelving – Sliding, clear 0.177" acrylic with felt lined anodized aluminum track, full extruded aluminum door pulls with gas shock lift system and latch

Additional Instructions – None

CABINET #15 Bidder Complies: Yes () No ()

Dimensions – 19.375"W x 13.25"H x 23.75"D

Framed Opening – 14.125"W x 9.5625"H

Location – Streetside, upper rear

Shelving – None

Door(s) – Sliding, clear 0.177" acrylic with felt lined anodized aluminum track, full extruded aluminum door pulls with gas shock lift system and latch

Additional Instructions – None

CABINET #16 Bidder Complies: Yes () No ()

Dimensions – 36.25"W x 13.75"H x 10"D

Framed Opening – 31"W x 10.0625"H

Location – Curbside, rear

Shelving – None

Door(s) – Sliding, clear 0.177" acrylic with felt lined anodized aluminum track, full extruded aluminum door pulls with gas shock lift system and latch

Additional Instructions – None

CABINET #17 Bidder Complies: Yes () No ()

Dimensions – 31"W x 13.75"H x 10"D

Location – Curbside, rear

Shelving – None

Door(s) – Top hinged, clear 0.177" polycarbonate, with “T” button latches and gas shock lift system.

Additional Instructions – This cabinet shall be set up as a pre-pack drug dispenser with seven (7) adjustable dividers.

CABINET #18 – Squad bench with storage Bidder Complies: Yes () No ()

Dimensions – Bench: 59.5”W x 18.75”H x 23.75”D

Storage: 59.5”W x 8”H x 23.75”D

Location – Curbside

Shelving – None

Door(s) – Aluminum lid shall provide access to the storage area, it shall have a 1.5” overhang, an automatic hold-open device, a stainless steel paddle latch, and 3" high density foam padding covered with seamless Vinyl Naugaform formfit 2.

Additional Instructions – The squad bench back pads shall have 1" high-density foam padding covered with seamless Vinyl Naugaform formfit 2. Three (3) sets of seatbelts shall be installed on the bench and set up for use with sit-up or stretcher patients.

The squad bench base to be formed from aluminum and securely anchored to sub-floor. The bottom and unfinished sides of the storage area shall be lined with indoor/outdoor carpet.

A timer shall be installed in wall over the forward end of the squad bench.

An 110VAC outlet shall be installed on the back wall. Three (3) glove butlers shall be installed on the aft wall of the squad bench.

A sharps and waste space (sized for a Becton-Dickinson, 8.2 Qt., sharps and a 7 Qt. waste) shall be located at the forward end of the squad bench. A hinged acrylic door shall be accessible for changing thru a removable panel on top of the area. Hinge the cover toward the curbside passage door.

CABINET #19 – Inside/Outside Access Bidder Complies: Yes () No ()

Dimensions – 26”W x 69”H

Location – Curbside, forward

Shelving – Two (2) adjustable

Door(s) – None

Additional Instructions – This cabinet shall provide inside/outside access.

The heater/A.C. unit shall be installed above this cabinet. An insulated 4” air supply duct shall be located above the cabinet for airflow from the heater/air conditioner. Four (4) flush mounted vents shall be installed on the aft wall of this area. Two (2) 110V AC outlets shall be installed on the aft wall of this area. Structural requirements permitting, the forward wall of this compartment shall be open to allow for the access of the shelves from the stairwell of the side door.

2.11

SIDE DOORSTEP

Bidder Complies: Yes () No ()

A recessed double step doorstep shall be provided which is 19" deep x 28" wide at the curbside passage door. There shall be a drain hole and an open grate step plate, which is removable for cleaning purposes. Polished aluminum diamond plate kick panel will be installed on the sides and face of doorstep.

2.12 CAB TO MODULE PASSAGE Bidder Complies: Yes () No ()
Shall be a walk-thru measuring 22.375"W x 48.625"H.

2.13 WHEELWELL LINERS Bidder Complies: Yes () No ()
Shall be installed in the wheel wells over the rear wheels. The liners shall be formed aluminum.

3 COATINGS AND FINISHES

3.01 MODULE FINISH PREPARATION Bidder Complies: Yes () No ()
The module shall be seam sealed and all imperfections on aluminum surfaces of module shall be sanded smooth. The entire exterior shall be mechanically etched and washed with wax and grease remover to ensure proper primer and paint adhesion.

3.02 MODULE PRIMER Bidder Complies: Yes () No ()
Module shall be primed with urethane primer prior to applying the finish coat of acrylic urethane paint.

3.03 PAINT TYPE Bidder Complies: Yes () No ()
Shall be "Sherwin Williams" acrylic urethane.

3.04 COLOR SCHEME Bidder Complies: Yes () No ()
Base color: International White (#9219) (G8-33631)

3.05 COMPARTMENT PAINT Bidder Complies: Yes () No ()
All compartments shall be sanded, etched, washed, primed, and painted white with gray splatter paint. (#G8-33631 Alt 2/#G8-51748)

3.06 INTERIOR CABINETRY FINISH Bidder Complies: Yes () No ()
All interior cabinetry shall be sanded, etched, washed, primed, and painted light gray (#G8-51748).

3.07 MODULE UPHOLSTERY Bidder Complies: Yes () No ()
Shall be Vinyl Naugaform formfit 2 / Dove Gray, and be seamless.

3.08 MODULE FLOORING MATERIAL Bidder Complies: Yes () No ()
Shall be Genome (#TFM2702) Altro Transflor Meta Slip-Retardant Sheet flooring providing durability, ease of maintenance and stain resistance. It shall contain a high concentration of microscopic aluminum oxide particles and colored quartz crystals suspended throughout the thickness with silicon carbide grains in the entire wear surface for slip-retardant performance. It shall have a bacteriostat incorporated to give flooring excellent anti-bacterial activity and an overall thickness of 0.11" nominal. Flooring shall be manufactured for Wear Resistance to meet ASTM C 501, indentation resistance in accordance with ASTM F 1303 and ASTM F 970, Grade 1 standards, shall meet ASTM D 2047 Slip Retardant, ASTM F 970 Static Load, ASTM E648, CMVSS, FMVSS 302, CAN ULC S102.2 Fire Data Tests.
An insulated floor shall be installed over the subfloor. It shall be constructed with square tubing (0.75" x 0.75" x 0.125"), filled with 0.75" thick polystyrene foam insulation, and covered with 0.125" aluminum sheet. (Section 2.04 related)

- 3.09 COMPARTMENT LINING Bidder Complies: Yes () No ()**
 Compartment floors and shelves shall be lined with light gray Mate'flex material.
- 3.10 CABINET LINING Bidder Complies: Yes () No ()**
 Interior cabinet shelves and bench storage areas shall be lined with easy sweep mats, which are removable for ease of cleaning.
- 3.11 SURFACES AND FINISHES Bidder Complies: Yes () No ()**
 All surfaces and finishes shall be impervious to soap, disinfectants, and water, to permit washing and sanitizing.
- 3.12 AUTOMOTIVE UNDERCOATING SEAL Bidder Complies: Yes () No ()**
 The entire chassis and module underbody (excluding drive shafts, wheels, exhaust system, and lubrication fittings, per manufacturer's specifications) shall be sprayed with undercoating for reduced corrosion and added sound deadening.

4 MODULE EXTERIOR

- 4.01 STEP/BUMPER Bidder Complies: Yes () No ()**
 Shall be a welded construction of 3" x 3" x 0.375" aluminum angle and 2" x 0.250" plate and shall be covered by 0.125" bright aluminum diamond plate. The center section, below the doors, shall have a plasma cut open flow design to prevent accumulation of water and snow and provide a 7" step. The outermost 12" of each end shall be angled to prevent dragging of corners in high angle of approach/departure areas. Diamond plate shall be formed on front and rear edges for channel type strength and a formed 0.090" aluminum close out shall be welded to the underside of the step/bumper. The bumper shall be bolted directly to the chassis frame using high strength Grade 5 bolts. Bumper shall be easily removable and replaceable in case of damage. Step/bumper to be designed to accommodate a "one-person style" cot.
- 4.02 RUB RAILS Bidder Complies: Yes () No ()**
 Shall be bright finished extruded aluminum of a double channel design and 0.125" wall thickness for maximum strength. Rub rails shall be 2.5" high x 0.75" wide and run along the lower edge of body, interrupted only by wheel well opening.
- 4.03 FENDER RINGS Bidder Complies: Yes () No ()**
 Shall be installed on the module. They shall be high grade weather-resistant industrial rubber with a rounded outer edge following the full contour of the wheel well opening.
- 4.04 DRIP RAIL Bidder Complies: Yes () No ()**
 Shall be extruded, anodized aluminum running full length of module at top of sides, front, rear and over each exterior compartment. Drip rails shall be installed with stainless steel screws, be detachable for easy replacement and finished with 45 degree angled ends to avoid hooking materials which brush against the vehicle causing damage.
- 4.05 ROCK GUARDS Bidder Complies: Yes () No ()**
 Made of bright aluminum diamond plate shall cover front module corner 24" up from bottom of the body, 2.5" down the side of body, and 15" across the front of the body.

- 4.06 REAR STEP GUARD Bidder Complies: Yes () No ()**
 Shall extend from the top of the rear step to the bottom of the rear doors, full width formed around corners, and 2.5" forward on each side.
- 4.07 MODULE WINDOWS Bidder Complies: Yes () No ()**
 Shall have black anodized aluminum frames, rubber gaskets, and be attached with screws for ease of replacement. All module windows to be dark tinted. The side door window shall be 18.75" x 18.75" with sliding glass, a positive latching catch, and a screen. The rear door windows shall be 18.75" x 18.75" fixed glass to prevent exhaust from entering the module.
- 4.08 LICENSE PLATE HOLDER Bidder Complies: Yes () No ()**
 A recessed license plate holder with dual lights shall be installed below rear doors.
- 4.09 STEP, ELECTRIC Bidder Complies: Yes () No ()**
 Shall be provided and mounted under the curbside door. It shall be a Kwikkee Model and be wired to only open and close with a manual switch located on the interior side of the curbside door. Placement of this switch shall be so the operator can safely activate it from outside the vehicle and be clear of the deploying steps. Electric step will close automatically when the curbside door closes. A deployed step shall trigger the Door Ajar Warning light in the cab.

5 MODULE INTERIOR

All interior hangers, supports, fasteners, latches, and hinges shall be of a near flush type design when not in use. The patient compartment shall be free of sharp projections. Exposed edges and corners shall be broken with a radius, chamfer, or covered with aluminum trim, plastic molding, or rubber edging.

- 5.01 UPPER WALL COVERING Bidder Complies: Yes () No ()**
 Shall be covered with heavy grade 0.125" ABS vinyl. All panels shall be attached with a Norton very high bond system.
- 5.02 HEADLINER Bidder Complies: Yes () No ()**
 Shall be fiberglass reinforced 0.080" "Glasboard" with textured white surface.
- 5.03 MODULE ACCESS OPENING BUMPERS Bidder Complies: Yes () No ()**
 Shall be located over all module access openings and shall be 1" foam bumpers covered with heavy-duty vinyl matching upholstery.
- 5.04 LOWER WALL COVERING Bidder Complies: Yes () No ()**
 The squad bench sides and lower portion of the streetside wall shall be covered with polished stainless steel.
- 5.05 GRAB RAILS Bidder Complies: Yes () No ()**
 Two (2) 90" L x 1.250" D stainless steel grab rail with three (3) support brackets shall be securely mounted to roof structural framing running through the centerline.

- 5.06 ACCESS DOOR GRAB RAILS Bidder Complies: Yes () No ()**
Each module access door shall have a 1.250" "L" style stainless steel grab handle which may also be used as an entry assist rail.
- 5.07 IV HANGERS Bidder Complies: Yes () No ()**
Two (2) ceiling mounted Cast #IV2008 recessed IV holders shall be installed in the ceiling above the primary cot avoiding any placement directly over the patients head while lying in a supine position.
- 5.08 COT MOUNT Bidder Complies: Yes () No ()**
A Ferno-Washington 175-3 single position cot fastener shall be installed. It shall be center mounted for a Ferno FW-93 series cot and provide a 12" aisle on both sides of the cot.
- 5.09 COT PLATES Bidder Complies: Yes () No ()**
Two (2) bright finish stainless steel 7" wide cot plates, which shall run from the rear door to the forward wheel position. The cot plates shall be attached with a polyurethane adhesive sealant system.
- 5.10 ATTENDANT SEAT Bidder Complies: Yes () No ()**
A rear facing high-back bucket seat with a built in child safety seat and upholstered with heavy grade vinyl shall be located at the head of the cot position and provide easy access to all action wall controls and outlets, and to the patient. Seat shall swivel and be securely anchored on a pedestal base.
- 5.11 OXYGEN SYSTEM Bidder Complies: Yes () No ()**
The entire oxygen system to be assembled with certified Oxygen hose (1000 PSI burst strength) with brass fittings, pressure tested, and certified. Ohio type outlets shall be installed in the following locations: two (2) in action area, and one (1) in ceiling above primary patient and one (1) at wall overhead of bench.
The oxygen system shall be equipped with an electric shut-off valve with a manual bypass and one (1) OXYGEN tank wrench shall be included.
A Zico oxygen lift shall be installed in compartment #3 to hold an "H" size cylinder. The automatic dump feature shall automatically deactivate when the Zico lift is deployed.
- 5.12 SUCTION COLLECTOR Bidder Complies: Yes () No ()**
A SSCORT VX-2 suction unit shall be mounted in the action area.
- 5.13 SEATBELTS Bidder Complies: Yes () No ()**
Shall be DOT certified and shall be installed with all passenger seating. Three (3) sets shall be installed on the squad bench and set up for use with sit-up or stretcher patients. The attendant seat and the CPR seat shall each have a single seat belt.
- 5.14 INSULATION Bidder Complies: Yes () No ()**
The module sides, ends, roof, doors, and floor shall be insulated to enhance the interior environment and to prevent heat, cold, and external noise from entering the module. The insulation shall be a non-settling polystyrene foam plank material of 2", 1.5", or 0.75" thickness depending upon location and available space.

In addition, a Norton VHB (very high bond) system shall be utilized on side walls and roof to provide a thermal and noise break between the outside skin and structural members.

- 5.15** **MODULE CLIMATE CONTROL** **Bidder Complies: Yes () No ()**
Shall incorporate a combination heating/air conditioning unit with 38,000 BTU heating and 32,000 BTU cooling. The unit shall have a 580CFM fan and have controls independent of the cab system. The module system shall be controllable by a digital thermostat located above the action wall with a secondary thermostat on the front control panel located on the right front stack. An additional 12VDC water pump shall be installed to increase the heating capacity and efficiency of the system. An auxiliary compressor and roof-mounted condenser unit shall be installed.
- 5.16** **EXTERNAL AIR CONTROL** **Bidder Complies: Yes () No ()**
To supplement heated or cooled air with fresh air, an external air intake shall be provided. The intake shall consist of a Perko vent on the curbside of the module above compartment #5. Install a Perko power vent to outside of modular body.
- 5.17** **AIR RETURN** **Bidder Complies: Yes () No ()**
Designed into the forward side of Cabinet #19, which runs from the floor level to the heater A/C unit.
- 5.18** **NO SMOKING SIGNS** **Bidder Complies: Yes () No ()**
Two (2) "No Smoking" signs shall be provided - one (1) each for driver's area and module.
- 5.19** **SHARPS/HAZARDOUS WASTE** **Bidder Complies: Yes () No ()**
Two (2) Becton Dickinson 8.2 qt., sharps container and two (2) 7 qt. waste containers shall be installed one (1) at the aft end of the action area countertop, and one (1) at the forward end of the squad bench.
- 5.20** **REFRIGERATOR** **Bidder Complies: Yes () No ()**
A 12 Volt 1.77 cubic foot refrigerator shall be installed in Cabinet #1 accessible through the exterior door of Compartment #1. There shall be vents to provide adequate air flow to the cooling coils. It shall be wired to be on with the Module or when shoreline is plugged in.
- 5.21** **GLOVE BUTLERS** **Bidder Complies: Yes () No ()**
Three (3) Glove Butlers shall be installed on the aft wall of the curbside squad bench.
- 5.22** **OXYGEN CYLINDER HOLDERS** **Bidder Complies: Yes () No ()**
Install 2 F.W. #521 oxygen brackets. D bottle mount, 521 model oxygen cylinder holders for dual "D" cylinders shall be mounted on the floor and/or wall just inside the curbside passage door.

6**ELECTRICAL****Bidder Complies: Yes () No ()**

All added body and chassis electrical equipment shall be served by circuits separate and distinct from the vehicle chassis circuits. All vehicle wiring shall be copper and conform to all SAE J1128 requirements. The wiring shall be colored, numbered, and function coded every 3" for permanent identification and correspond with the vehicle schematics. Solderless, insulated connectors shall be used. Wiring panduit shall be used in power component module to ensure air circulation throughout power component wiring. The wiring shall be routed in conduit or looms and wiring shall be secured to the underbody or frame with insulated metal cable straps. All power distribution cabling shall be covered with a protective split loom. Where wiring passes over the exhaust, a heat shield shall be installed. Wiring and electrical components shall not be placed under or behind the cab seats. The power component module shall be equipped with positive locking plugs to provide easy disconnect for remount or repair of body. All wiring devices, switches, outlets, etc., except circuit breakers, shall be rated to carry 125% of the maximum ampere load for which the circuit is protected.

6.01**OVERLOAD PROTECTION DEVICES****Bidder Complies: Yes () No ()**

Body electrical wiring shall utilize overload protective devices of the automatic reset, circuit breaker type. In addition, one (1) single pole, 20-amp circuit breaker shall be provided for future use. The circuit breakers, relays, and other electrical items shall be located in the enclosed power component module.

6.02**VOLTMETER****Bidder Complies: Yes () No ()**

Shall be an OEM component installed in dash. The scale shall be from 8 to 18 V.D.C. (Section 1.01.08 related)

6.03**AMMETER****Bidder Complies: Yes () No ()**

Shall be a 300 amp Analog ammeter, to be located on the dash. The ammeter shall measure the alternator output.

6.04**IGNITION CONTROL****Bidder Complies: Yes () No ()**

Chassis electrical circuits will be controlled by ignition switch as provided by the OEM chassis manufacturer. The auxiliary chassis related functions shall be powered by one (1) 100-amp continuous duty solenoid (rear heater/air conditioner, siren, spotlight, etc.).

6.05**MODULE POWER****Bidder Complies: Yes () No ()**

Shall be controlled by a CDR-350 automatic disconnect switch that provides module power continuously when ignition is on and for fifteen (15) minutes after ignition is turned off. Cycling the ignition switch or opening a module door resets the time and provides another fifteen (15) minutes of module power.

6.06**WIRING ACCESS****Bidder Complies: Yes () No ()**

All cabinets at ceiling level shall have removable backs, which are screwed, in place for access to harnesses. Stack cabinets shall have removable panels for wiring and hose access.

6.07**BACK-UP ALARM****Bidder Complies: Yes () No ()**

Shall be installed and have a momentary disable switch in the driver's console. If disabled while in reverse, backup alarm shall automatically reset when shifted out of reverse. The alarm shall have a sound output level of 97dB.

6.08 SERVICE LOOP Bidder Complies: Yes () No ()
A 6" service loop of wire or harness shall be provided at all electrical components, terminals, and connection points.

6.09 DRIVER'S CONSOLE Bidder Complies: Yes () No ()
Made of formed aluminum, shall be installed overhead. This panel shall include the following:

- | | |
|---------------------------------|--|
| SWITCHES | Bidder Complies: Yes () No () |
| 1. Module Disconnect | 8. Rear Dome Hi/Lo Off (3-way) |
| 2. Emergency Master (Sequencer) | 9. Rear Dome Hi/Lo Off (3-way) |
| 3. Lightbar - Red | 10. Left Scene |
| 4. Lightbar - White | 11. Right Scene |
| 5. Intersection/Grille/Flashers | 12. Rear Scene |
| 6. Opticom | 13. Blank |
| 7. Rear Fluorescent off (3-way) | 14. Spare |
| | 15. Back-up Disable |

OTHER: Bidder Complies: Yes () No ()
Ammeter
Combined Door/Compartment Open Warning Light
Siren

6.10 Spotlight: Hand held Bidder Complies: Yes () No ()
Install an Optronics 400,000 CR handheld spotlight with momentary switch on the bulkhead behind the driver's seat.

6.11 SWITCHES Bidder Complies: Yes () No ()
Shall be lighted rocker type and permanently marked by function. One (1) spare switch shall be provided.

6.12 MAP LIGHT Bidder Complies: Yes () No ()
A map light with a 19" flexible neck shall be mounted in the cab area.

6.13 FRONT CONSOLE: Bidder Complies: Yes () No ()
A front console shall be installed with room on the console to allow for the top installation of 3 radio heads and one (1) siren unit, with two (2) cup holders with three (3) 2.5" wide and 13" minimum slots for the storage of map books and clipboards.

This front console will also have mounted to it one (1) 110 AC powerstrip connected to shore power and Two (2) 12 volt, 20 amp cigar type receptacles shall be connected to the 12 volt system to be dead when the 12 volt system is shuts down.

6.14 DOOR AJAR WARNING LIGHT Bidder Complies: Yes () No ()
A red flashing warning light on driver's console shall be provided to warn driver of open passenger access doors or open exterior compartment doors.

6.15 ATTENDANT CONTROL PANEL Bidder Complies: Yes () No ()
Shall be located in the action area. Panel shall include the main oxygen digital pressure gauge with a manual bypass valve and one (1) row of switches, as follows:
1. Dome Hi/Lo (3-way) 3. Oxygen On/Off (2-way) 5. Fluorescent (3-way)
2. Dome Hi/Lo (3-way) 4. Perko Power Vent (2-way) 6. Blank

FRONT CONTROL PANEL Bidder Complies: Yes () No ()
Shall be located in the right front stack. Panel shall include one (1) row of switches, as follows:
1. Dome Hi/Lo (3-way) 3. Oxygen On/Off (2-way) 5. Fluorescent (3-way)
2. Dome Hi/Lo (3-way) 4. Perko Power Vent (2-way) 6. Blank

6.16 STEP LIGHTS Bidder Complies: Yes () No ()
The side access doorstep well shall have a light installed.

6.17 MODULE INTERIOR LIGHTING Bidder Complies: Yes () No ()
Shall be designed to keep vehicle height to a minimum without interfering with the structural integrity of the roof. Module interior lighting shall consist of eight (8) Whelen #80COEECR LED recessed lights - one (1) bank of four (4) lights shall be positioned toward streetside and four (4) lights toward curbside.
The four (4) lights on the squad bench side shall be automatically activated when the rear or side doors are opened. There shall be a switch for each bank of lights on the action wall for Hi/Lo or Off. Three (3) fluorescent lights shall be center mounted two (2) near the front and one (1) near the rear of the module. The fluorescent lights shall be controlled by an On/Off switch on the action wall and a timer switch mounted inside the curbside passage door. The timer switch shall be wired to continuous battery power.

6.18 BASIC EXTERIOR LIGHTING Bidder Complies: Yes () No ()
Shall include headlights, parking lights, directional signal lights, tail and stop lights, license plate light, back-up lights, side marker lights, hazard and warning lights as required by FMVSS 108. Module clearance and side marker lights shall be LED "Truck-Lite" lights.
Two (2) LED Whelen #60R00BRR stop/tail lights, two (2) LED Whelen #60A00TAR turn arrows, and two (2) Whelen #60J000CR back-up lights shall be installed on the rear, one (1) set on each side of the vehicle. Lights shall be installed with flanges.

6.19 COMMUNICATIONS EQUIPMENT Bidder Complies: Yes () No ()
The customer shall be responsible for powering up and tuning of the radio equipment.
Item #1 Description: Firecom Model #3020-R
Location: *To be determined*

6.20 ANTENNA MOUNTS AND CABLES Bidder Complies: Yes () No ()
Four (4) NMO universal antenna mounts with KHFD cables and Larsen HyPer master universal connectors and mini-UHF adapters shall be installed on the module. Antenna base access shall be through the dome light openings, and the cables shall terminate in the radio cabinet.

6.21 BLOCK HEATER Bidder Complies: Yes () No ()

A block heater, with On/Off switch in 110VAC power box, shall be wired to the 110 VAC shorepower system and shall be circuit protected (Section 1.01.02 related).

- 6.22 SHORELINE POWER Bidder Complies: Yes () No ()**
Utility power shall be furnished with 110 VAC shorepower via a Kussmaul 20 amp plug located front driver's side on module and distributed via a formed 0.125" aluminum power box recessed into the streetside Compartment #1. Power box shall be flush mounted so as to maximize compartment size. Shall have easily removable cover. The box shall contain three (3) 110 VAC outlets for power supply to:
Interior/exterior 110 VAC power (receptacles, IV warmer, etc.), GFI protected
Block heater (wired to shoreline)
Battery charger
Two (2) breakers shall be installed, one for protection of the shoreline itself, the other for protection of the block heater receptacle.
Five (5) duplex-grounded outlets shall be mounted as follows: Two (2) in Cabinet #8, one (1) over squad bench, and two (2) on the aft wall Cabinet #19.

- 6.23 BATTERY GROUNDS Bidder Complies: Yes () No ()**
In addition to OEM grounds, the following ground circuits shall be added: 4 ga. ground cable from module power component panel to frame, two (2) braided ground straps from the module body to the chassis to reduce RF interference.

- 6.24 12 VOLT RECEPTACLES Bidder Complies: Yes () No ()**
Two (2) 12 volt, 20 amp cigar type receptacles shall be provided in the Action Area. Receptacles shall be powered continuously.

- 6.25 COMPARTMENT LIGHTING Bidder Complies: Yes () No ()**
LED rope lighting shall be installed in all outside compartments across the top and both side just inside the compartment opening and shall be activated by a door switch.

- 6.26 EXTERIOR DOOR SWITCHES Bidder Complies: Yes () No ()**
Shall be 1/2" door switches. All door switch terminals shall have Heatshrink installed.

7 EMERGENCY WARNING SYSTEMS

- 7.01 FRONT LIGHTBAR Bidder Complies: Yes () No ()**
Shall be a 96" Whelen #4500 Plus Lightbar.
Pattern from curbside to streetside as follows: Red lens Red Super LED flasher, Red lens Red Super LED flasher, Clear lens Clear Super LED flasher, Red lens Red Super LED flasher, 3M Opticom, Red lens Red Super LED flasher, Clear lens Clear Super LED flasher, Red lens Red Super LED flasher, Red lens Red Super LED flasher.
The light bar shall be recess mounted with horizontal plane of the roof, and protrude no more than 1/2" beyond the vertical plane of the front and sides of the module. The clearance lights shall be an integral part of the light bar.

- 7.02 REAR LIGHTBAR Bidder Complies: Yes () No ()**
Shall be a 96" Whelen #4500 Plus Lightbar.

Pattern from curbside to streetside as follows: Red lens Red Super LED flasher, 17 Degree Angled Scenelights, Red lens Red Super LED flasher, 17 Degree Angled Scenelights, Red Brake Light, 17 Degree Angled Scenelights, Red lens Red Super LED flasher, 17 Degree Angled Scenelights, Red lens Red Super LED flasher.

The bar shall include an LED brake/clearance light over the center lights. The LED clearance lights shall be an integral part of the light bar.

The rear doors shall activate the rear scenelights. The light bar shall be recess mounted with the horizontal plane of the roof, and protrude no more than 1/2" beyond the vertical plane of the rear and sides of the module.

- 7.03 FLASHERS Bidder Complies: Yes () No ()**
Six (6) Red lens Red Super LED flashers shall be mounted two (2) on each side of module in upper corners, and two (2) on front of module. Lights shall be Whelen #90RR5SRR.
Two (2) Amber lens Amber Super LED flashers shall be on the rear of the vehicle at window height. Lights shall be Whelen #70A02SAR.
- 7.04 SCENELIGHTS Bidder Complies: Yes () No ()**
Six (6) parabolic scenelights, mounted three (3) on streetside and three (3) on curbside shall be installed. The scenelights shall be flush mounted and have internal optics to deflect the light down at 8-32 degree angles. The lights shall be Whelen Model #90COENZR 24 diode LED. The side door shall activate the curbside scenelights.
There shall be two (2) Whelen Model #90COELZR 12 diode LED Opti-Scene lights mounted on the rear in upper corners. The scenelights shall have internal optics to deflect the light down at 13 degree angles.
- 7.05 INTERSECTION LIGHTS Bidder Complies: Yes () No ()**
Six (6) Intersection lights shall be installed, one (1) above each wheel well, one (1) aft on each side of module, and one (1) on each fender. These shall be Whelen #70R02SRR Red lens Red Super LED lights with 7EFLANGE.
- 7.06 GRILLE LIGHTS Bidder Complies: Yes () No ()**
Shall be two (2) Whelen #70R02SRR Red lens Red Super LED lights with 7EFLANGE.
- 7.07 SIREN Bidder Complies: Yes () No ()**
Shall be a Whelen WS-295HFS7 Dual Amp Tone, 200 watt siren.
- 7.08 SIREN SPEAKERS Bidder Complies: Yes () No ()**
Shall be a Cast Products 4307 "In-the-Bumper" Mount System with two 100 watt speaker drivers.
- 7.09 FLASHER CONTROL Bidder Complies: Yes () No ()**
A 50 amp per terminal Vanner 3250 GCP flasher shall be provided to control LED flashers.

7.10 INVERTER Bidder Complies: Yes () No ()

Shall be a Heart Interface FP 1000, 1000 watt inverter with a 50 amp battery charger installed in Compartment #1. A remote inverter switch shall be installed in the driver's console. System shall be installed with an ignition override.

7.11 FLUID WARMER Bidder Complies: Yes () No ()

A 12 volt DC/110 volt AC dual voltage fluid warmer shall be installed in Cabinet #5. The warmer will be thermostatically controlled at 95 to 105 degrees F. Space for ten (10) one-liter bags of fluids shall be provided.

7.12 ELECTRIC DOOR LOCKS Bidder Complies: Yes () No ()

Shall be installed on all compartment and module access doors. The module door switches shall be wired to the cab doors. Passage door lock controllers shall have counter sunk screws accessible to the outside of the door skin for ease of maintenance. A hidden switch shall be located behind the license plate. Two (2) switches shall be provided: (1) located on rear curbside door, and (1) located on the curbside passage door.

7.13 GROUND LIGHTS Bidder Complies: Yes () No ()

Five (5) LED series 40 ground lights with rubber mounting grommets shall be installed one (1) below each cab door, one (1) below curbside passage door, and one (1) each below rear corner of module. A switch shall be located in the driver's console.

8 SUPPORTING DOCUMENTATION

8.01 OWNERS MANUAL Bidder Complies: Yes () No ()

Shall be provided with vehicle and consists of the following items:

1. Chassis owner information packet, including all OEM Chassis warranty information.
2. Extra set of keys.
3. Lifetime module warranty.
4. Factory warranty on Chassis.
5. 7 Year/75,000 miles limited electrical warranty.
6. 2 Year/30,000 mile Conversion Warranty.
7. 5 Year Paint Warranty.
8. Module remount engineering checklist.
9. Climate control information and warranty.
10. Main schematic.
11. Electrical equipment amperage ratings.
12. Wire coding list.
13. Schematics for standard system: (As Built) Electronic and hard copy

Driver switch console
Attendant switch console
Climate control system
Dual battery system
Module harness routing
Interior and exterior lights

14. Operations manual
15. Schematics for individual options.

- 16. Warranty and parts list for light bar, etc.
- 17. Vehicle Drawings:
 - Exterior Views for Streetside, Rear, Curbside, and Front
 - Interior Views for Streetside, Rear, Curbside, and Front
 - Overhead Plan View

9 MISCELLANEOUS MEDICAL/RESCUE EQUIPMENT

9.01 LOOSE EQUIPMENT Bidder Complies: Yes () No ()

The following equipment shall be shipped loose with the vehicle:

- 1. Touch Up Paint.
- 2. Cord End for Shoreline (20 amp)
- 3. Two (2) – Top hinged, clear 0.177" polycarbonate, with "T" button latches and gas shock lift system. 37"W X 14"H
- 4. One (1) large-numeral, LED clock to be mounted on the interior above the rear entry.

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