

TOWN OF TRUMBULL
EMERGENCY MANAGEMENT SERVICES (EMS)
TECHNICAL SPECIFICATIONS FOR
TYPE II, CLASS A AMBULANCE
GENERAL INSTRUCTIONS TO BIDDERS

RFP 6077 DUE; AUGUST 14, 2014 @ 2PM

The Town of Trumbull, Connecticut (hereinafter referred to as Town), through the Office of the Purchasing Agent, will accept sealed bids for one **TYPE II, CLASS A AMBULANCE** as detailed in the attached specifications for the EMERGENCY MANAGEMENT SERVICES (EMS) in accordance with the enclosed specifications.

1. PREPARATION OF PROPOSALS

- a) Bids shall be submitted by using the enclosed BID PROPOSAL FORM that accompanies this request. Submit one (1) ORIGINAL and one (1) EXACT COPY. Bidders should submit bids in a clear, concise and legible manner to permit proper evaluation of responsive bids.
- b) Bidders may also submit, under separate cover with their proposal, any samples of reports and documents that are necessary to meet the requirements (deliverables) of this request should a purchase order be awarded

2. BID SUBMISSION

Bids are to be submitted in DUPLICATE and sealed in a sealed envelope and addressed as follows:

Bid 6077 - Due: AUGUST 14, 2014 @ 2 pm
Purchasing Agent - Town of Trumbull
5866 Main Street, Trumbull, CT 06611

Be advised that the person signing the formal proposal must be authorized by you organization to contractually bind your firm with regard to prices and related contractual obligations for the delivery period requested. Bidder must bid on equipment as specified

3. BID TIME AND BID FORMS

- a) Bids shall be received at the office of the Purchasing Agent, Town Hall, prior to the advertised hour of opening, at which time all proposals will be publicly opened and read aloud.
- b) A bidder may withdraw a proposal at any time prior to the above scheduled date and time. **Any bid received after the above scheduled date and time shall not be considered or opened.**
- c) All bid documents contained herein must be completed in their entirety; failure to do so may disqualify a bid submittal.

4. TOWN OPTIONS

- a) The Town of Trumbull reserves the right to reject any and all bids and does not bind itself to accept the lowest bid or any proposal. The Town reserves the right to ask for new bids in whole or in part, or to reject any or all bids, or any part thereof, and to waive any requirements, irregularities, technical defects or service therein when it is deemed to be in the best interest of the Town.
- b) If a bid proposal does not meet or better the required specifications, requirements, and scope of work requested on all points that must be outlined in a letter attached to the bid proposal otherwise it will be presumed that the bid as proposed is in accordance with the required specifications.
- c) The requirements and specifications of this request call for a specific commodity being purchased and do not permit any substitutions.
- d) If your product does not meet or better the required specifications on all points that must be outlined in a letter otherwise it will be presumed that a proposal is in accordance with the required specifications.
- e) In addition to consideration of a favorable bid, the Purchasing Department may give consideration to the most favorable delivery date and past experience.

5. TAXES

All purchases made by the Town, and associated with the award of this requirement shall be tax exempt. Any taxes must not be included in bid prices. A Town Tax Exemption Certificate shall be furnished upon request.

6. INQUIRIES

- a) All inquiries regarding this request shall be answered up to the close of business on **July 16, 2014**, after which time no additional questions will be accepted. To ensure consistent interpretation of certain items, answers to questions the Town deems to be in the interest of all bidders will be made available in writing or by Fax as appropriate to all bidders. Inquiries of a technical nature may be directed to **Mr. Joseph Laucella, Chief EMERGENCY MANAGEMENT SERVICES (EMS) (203.452-5078) jlaucella@trumbull-ct.gov**
- b) The Town reserves the right to communicate with any or all of the bidders to clarify the provisions of Proposals. The Town further reserves the right to request additional information from any bidder at any time after proposals are opened.
- c) **It is the sole responsibility of a bidder to verify any addendums that may have been issued relating to this request prior to submission of a proposal. Any notice of addendum shall be published on the Purchasing Department Website www.trumbull-ct.gov . Failure to submit a response that does not address any changes or addendums may result in a disqualification of a proposal submission.**

7. AWARD AND AUTHORITY

The Town will issue notification of award in the form of a Purchase Order.

8. PRICING

- a) All prices quoted are to be firm for a period of one (1) year following bid opening.
- b) Special Consideration will be given to responses with extended firm price dates. The Town is always interested in any and all cost reduction opportunities.

9. ASSIGNMENT OF RIGHTS, TITLES, AND INTERESTS

Any assignment or subcontracting by a bidder, vendor, or contractor for work to be performed, or goods and/or services to be provided, in whole or in part, and any other interest in conjunction with Town procurement shall not be permitted without the express written consent of the Town of Trumbull.

10. HOLD HARMLESS CLAUSE

Bidder agrees to indemnify, hold harmless and defend the Town from and against any and all liability for loss, damage or expense which the Town may suffer or for which the Town may be held liable by reason of injury, including death, to any person or damage to any property arising out of or in any manner connected with the operations to be performed under an agreement with the Town, whether or not due in whole or in part of any act, omission or negligence of the Town or any of his representatives or employees.

12. CONFLICT OF INTEREST

No purchase shall be made from nor shall services (other than services as an officer, agent, or employee of the Town) be secured from any officer or employee of the Town, or from any partnership or corporation in which such officer or employee is a partner or officer, or holds a substantial interest, unless such relationship and the fact that such purchase is contemplated shall be made known in writing to the agency making such purchase, and notice thereof posted, for at least five (5) days before such purchase be made, in the office of the agency making such purchase and in a public place in the Trumbull Town Hall.

13. EQUAL ITEMS

Equal items must be approved by the Town, and the Town reserves the right to reject any proposal offering equipment and/or materials, which, in its opinion does not meet the standard of quality established by the attached specifications. Any such decision will be considered final and not subject to further recourse.

15. DELIVERY AND F.O.B.

The quoted price must be F.O.B. Trumbull, Connecticut as designated on the purchase order. All prices shall be quoted as **DELIVERED PRICES**. The terms of the sale must be stated.

**TOWN OF TRUMBULL
EMERGENCY MANAGEMENT SERVICES (EMS)
TECHNICAL SPECIFICATIONS FOR
TYPE II, CLASS A AMBULANCE**

RFP 6077 DUE; AUGUST 14, 2014 @ 2PM

**SPECIFICATIONS, REQUIREMENTS AND GENERAL CONDITIONS
(This section must be submitted with RFP Submittal)**

The attached specification defines a heavy-duty, commercial emergency medical vehicle, built to withstand adverse driving conditions. The vehicle shall meet or exceed the latest revision to federal specification KKK-A-1822, Federal Motor Vehicle Safety Standards (F.M.V.S.S.), National Truck Equipment Association (N.T.E.A.) Ambulance Manufacturer's Division (A.M.D.) standards and Ford Qualified Vehicle Modifier (Q.V.M.) Program Truck Guidelines.

This invitation is extended to all qualified vendors/manufacturers that are specifically in the business of building emergency medical vehicles and/or equipment.

PARTY IDENTIFICATION:

AGENCY: "Agency" is hereinafter defined as the customer. The customer is an individual or a group of individuals whom represent the interest of the city, borough, county, parish, state or private enterprise and has been charged with the responsibility of purchasing one or more emergency medical vehicle(s).

Bidder Complies YES_____ NO_____

BIDDER: "Bidder" is hereinafter defined as the vehicle manufacturer and/or its authorized representative. The bidder is an assigned representative who is authorized to commit to a contract with the "Agency".

Bidder Complies YES_____ NO_____

VENDOR: "Vendor" is synonymous with "Bidder".

Bidder Complies YES_____ NO_____

NOTICE TO BIDDERS: Bidders shall thoroughly examine any drawings, specifications, schedule, instructions and any other documents supplied as part of this invitation to bid.

Bidders shall make all investigations necessary to thoroughly inform themselves regarding the content of the written specifications, drawings and instructions supplied herein. No pleas of ignorance by the bidder pertaining to the content of the specifications, drawings, schedule or instructions will be considered by the agency once the deadline for bid submission has occurred. Failure or omission on the part of the bidder to make the necessary examinations and investigations into the content of the specifications shall not be accepted as a basis for making variations to the spec. Failure or omission by the bidder to make all clarifications or explanations of exceptions and conditions that exist or that may exist hereafter shall NOT be accepted as a basis for making variations to the requirements of the agency or compensation to the bidder.

Bidder Complies YES_____ NO_____

Definitions:

CLARIFICATIONS: Clarifications shall be written correspondence between the bidder, the agency and all other qualified bidders. A Clarification shall include the paragraph number, page number, the text with unclear content (as written in the specification) and the definition of the clarification requested. Verbal clarifications shall be documented in writing and distributed to all other qualified bidders at least two business days prior to the deadline for bid submission.

Bidder Complies YES_____ NO_____

EXPLANATION OF EXCEPTIONS: Bidders may take exceptions to any part of the bid contained herein with a written itemized schedule. The schedule shall include the paragraph number(s), the text that the bidder feels he can not comply with an explanation why the bidder feels that the requirement is not in the best interest of the agency and/or an alternate bidder solution.

Alternate bidder solutions may be considered by the agency, if the bidder can show the agency that the alternate solution is, in quality and quantity, equal to OR better than the specified item. This agency will share the exception/alternate solution with all other Qualified Bidders. Explanation of exceptions shall be documented in writing at least two business days prior to the deadline for bid submission.

Bidder Complies YES _____ NO _____

CORE DESIGN INTENT: The core design intent of the specifications supplied herein is to purchase an ambulance with the highest level of engineering excellence. The "Core Design" intent of this vehicle shall be centered on the patient's need for pre-hospital care, in conjunction with a safe working environment for the Emergency Medical Personnel.

Bidder Complies YES _____ NO _____

BID PACKAGES SHALL NOT TAKE TOTAL EXCEPTIONS: Bidders are required under this bid invitation to give, for the consideration of the agency, a proposal that will comply with the written specifications, drawings and schedules supplied herein. The specifications supplied represent a compilation of input from all disciplines of users, patients, maintenance and management personnel who are directly affected by the vehicle's performance.

Careful consideration pertaining to safety, configuration, construction, and workmanship are based on working experiences by all the personnel who have direct, working contact with the subject vehicle specified herein. The "core design" of this ambulance was created as a result of resolving issues and improvement suggestions that have originated from the personnel most QUALIFIED to make such input.

This agency makes no claim that ALL potential issues or improvements are included in the specifications supplied herein. This agency will consider any VALID concern by any bidder and will consider minor specification exceptions or alternates of equal or better performance, provided that the exception(s) are steered toward meeting the "Core design" intent AND the exception(s) are cleared up not less than two days prior to the bid opening date.

A bidder who submits a bid that takes "Total Exception" and makes an offering of some "Standard" or "Stock" unit will be viewed by the agency as a bidder who did not make, and is not prepared to make, a valid bid, and is not qualified to manufacture the ambulance as specified herein. Alternate bids will NOT be considered.

Bidder Complies YES _____ NO _____

VEHICLE QUANTITY: THIS AGENCY is currently seeking to purchase one vehicle per the specifications set forth in this solicitation for bid. THIS AGENCY AND/OR other government or private agencies that qualify to purchase under this contract will reserve the right to increase the number of vehicles purchased without incurring an obligation to obtain bids from other vendors for a period of two years. A contract extension may be provided to the successful, qualified vendor who has performed satisfactorily to the original contract.

Bidder Complies YES _____ NO _____

VENDOR QUALIFICATIONS:

FORD Q.V.M.: All Bidders shall be members in good standing of the Ford Motor Company's Qualified Vehicle Modifier Program (Q.V.M.). Each bidder shall supply a copy of their valid Q.V.M. Certification with their bid package. If for any reason the Q.V.M. Certification has been withdrawn or suspended by Ford Motor Company within the past five years, the bidder shall supply a full written explanation as to why it was withdrawn. The written explanation shall include any corrective actions taken to regain the Q.V.M. Certification.

Bidder Complies YES _____ NO _____

PRODUCT LIABILITY INSURANCE: Proof of current liability insurance shall be supplied. The proof of insurance shall bear the insurance carrier's name, address and phone number. The proof shall also bear the name and address of the insured. This document shall contain the coverage schedule, explaining the type of insurance, the policy number, the effective date of coverage, the policy expiration date and the individual limits. The minimum amount of coverage shall be as follows:

Commercial General Liability - as follows:
Each Occurrence: \$, 1,000,000

Damage to rented premises, each occurrence: \$1,000,000
Medical Expenses: \$5,000
Personal and Adv Injury: \$1,000,000
General Aggregate: \$2,000,000
Products - Comp/OP Agg: \$2,000,000
Automotive Liability - Combined Single Limit: \$1,000,000
Excess Liability - Umbrella Form
Each occurrence: \$25,000,000
Aggregate: \$25,000,000
Workers Compensation and Employers' Liability
E.L. Each Accident: \$1,000,000
E.L. Disease policy - Each Employee: \$1,000,000
E.L. Disease - Policy Limit: \$1,000,000

Bidder Complies YES_____ NO_____

NON-DISCRIMINATION AND EQUAL OPPORTUNITY: The Bidder/Contractor agrees to comply with all federal statutes relating to non-discrimination. These include but are not limited to:

- (a) Title VI of the civil rights act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin;
- (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. 16811683, and 1685-1686), which prohibits discrimination on the basis of sex;
- (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), which prohibits discrimination on the basis of handicaps and the Americans with Disabilities Act of 1990;
- (d) The Age Discrimination Act of 1974, as amended (42 U.S.C. 6101-6107), which prohibits discrimination on the basis of age;
- (e) The Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse;
- (f) The Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism;
- (g) 523 and 527 of the Public Health Service Act of 1912 (U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records;
- (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing;
- (i) Any other nondiscrimination provisions in any specific statute(s) applicable to any Federal funding for this Agreement;
- (j) The requirements of any other nondiscrimination statute(s) which may apply to this agreement.

Bidder Complies YES_____ NO_____

DRUG FREE WORK PLACE: The Bidder shall conduct business as a Drug Free Workplace. The Bidder/Manufacturer and ALL of its sub-contractors shall provide notice to their employees and sub-contractors as required under the Drug-Free Workplace Act of 1988. A copy of Bidder's Drug-Free Workplace Policy shall be furnished to this agency upon request.

Bidder Complies YES_____ NO_____

QUALIFICATIONS FOR BUILDER OF SPRINTER AMBULANCES

Manufacturer shall have significant experience building certified ambulances on Sprinter chassis. The builder shall have produced in excess of 300 2nd generation Sprinter vehicles (since 2007). Bidder shall submit with his bid a letter of verification of this requirement, signed by an officer of the manufacturing company.

Manufacturer of ambulance shall also be a certified member of the Sprinter Customer Assurance Program for Mercedes Benz and Freightliner. Bidder shall provide a document from Sprinter Engineering and Compliance Support, verifying compliance with this requirement.

Bidder Complies YES_____ NO_____

NATIONAL TRUCK EQUIPMENT ASSOCIATION TESTING

A.M.D. 001 - AMBULANCE BODY STRUCTURE STATIC LOAD TEST: The ambulance described herein shall be type tested to the National Truck Equipment Association's Ambulance Manufacturing Division, Standard 001 - Ambulance Body Structure Static Load Test except the test weight shall be a minimum of two and a half (2-1/2) times the curb weight of the built vehicle.

A.M.D. 003 - OXYGEN TANK RETENTION SYSTEM STATIC TEST: The ambulance described herein shall be type tested to the National Truck Equipment Association Ambulance Manufacturing Division, Standard 003 - Oxygen Tank Retention System Static Test. The test shall be conducted by an independent testing laboratory.

Safety is this Agency's first concern. Main cylinder control is extremely important and is crucial to the safety of the patient, public, passengers and crew. If the Bidder has experienced a cylinder rack separation from the oxygen compartment wall, OR if the cylinder has come loose from the cylinder restraining device, then the Bidder shall supply this Agency with a report containing the date, a full explanation of the incident and corrective actions taken to prevent future failures. Main Oxygen/Air Cylinders that come loose during a collision indicate mechanical defects in the design of the restraining device or the mounting method. Any A.M.D. Standard 003 testing prior to the incident is deemed invalid, regardless of the expiration date of the original test.

A.M.D. 004 - LITTER RETENTION SYSTEM STATIC TEST: The cot/litter retention system described herein shall be tested to the National Truck Equipment Association, Ambulance Manufacturing Division Standard 004 - Litter Retention System Static Test. The cot mount hardware, mounting method and floor reinforcement areas shall exceed the test as described in A.M.D. 004. This test shall be conducted by an independent testing laboratory.

Safety is this Agency's first concern. Main cot/litter retention is critical to patient care. If the Bidder has experienced a litter ejection due to a hardware defect or a defect in the mounting method, then the Bidder shall supply the Agency with a report containing the date, a full explanation of the incident and corrective actions taken to prevent future ejections. Main Cot/Litter ejection's that occur during a collision indicates mechanical defects in the design of the restraining device or the mounting method; Therefore ALL Bidder A.M.D. Standard 004 testing dated prior to the incident is deemed invalid, regardless of the expiration date of the original test.

A.M.D. 005 - 12-VOLT DC ELECTRICAL SYSTEMS TEST: The 12-Volt DC Electrical System described herein shall be tested to the National Truck Equipment Association, Ambulance Manufacturing Division Standard 005 - 12-Volt DC Electrical System s Test. This test is valid for the test article vehicle ONLY. The test shall be conducted on EACH ambulance. The results of the test shall be recorded on an electrical system performance sheet and shall be included with the delivery documents. This test shall be conducted by a qualified quality control electrician at the ambulance manufacturing plant.

Reliability and safety is this Agency's first concern. The 12-volt electrical system must be function under all normal or adverse driving and operating conditions. Each electrical device, electrical component, wire, wire route and connection quality shall be tested for reliability as a "SYSTEM" on each vehicle sold. If the Bidder has experienced an electrical fire or an electrical failure resulting in a disabled ambulance going to an emergency call or during transportation, shall supply this Agency with a report containing the date, a full explanation of the incident and corrective actions taken to prevent future electrical failures.

A.M.D. 006 - PATIENT COMPARTMENT SOUND LEVEL TEST: The ambulance described herein shall meet or exceed the National Truck Equipment Association Ambulance Manufacturing Division Standard 006 - Patient Compartment Sound Level Test. The sound level in the driver or patient cabin shall be eighty decibels or less under the conditions described in A.M.D. Standard 006.

A.M.D. 007 - PATIENT COMPARTMENT CARBON MONOXIDE LEVEL TEST : The ambulance described herein shall meet or exceed the National Truck Equipment Association, Ambulance Manufacturing Division Standard 007 - Patient Compartment Carbon Monoxide Level Test. The patient and driver cabin shall be environmentally sealed from carbon monoxide gases that are emitted from internal combustion engines. The ambulance specified herein shall have safe carbon monoxide levels of ten parts per million or less while the vehicle is exposed to the conditions described in A.M.D. Standard 007.

A.M.D. 008 - PATIENT COMPARTMENT GRAB RAIL STATIC LOAD TEST: The patient cabin grab rails shall be tested to the National Truck Equipment Association, Ambulance Manufacturing Division Standard 008 - Patient Compartment Grab Rail Static Load Test. The ceiling mounted grab rails shall be subject to a three axis load of three hundred pounds.

The ceiling mounted grab rail shall not come loose from the ceiling or permanently deform. All mounting fasteners shall be threaded into metal structure not less than .125 inches thick.

A.M.D. 009 - 125-VOLT AC ELECTRICAL SYSTEMS TEST: The patient cabin shall be wired per the National Truck Equipment Association, Ambulance Manufacturing Division Standard 009 - 125 -Volt AC Electrical Systems Test.

The ambulance wiring shall comply with the National Electric Code in effect at the time of manufacture of the ambulance. The system specified herein shall be a 2-wire system with a ground. All outlets and 120-volt hard wired devices, on the ambulance, shall have ground fault interrupter protection.

A.M.D. 010 - WATER SPRAY TEST: The ambulance specified herein shall be water spray tested for water leakage into the patient's and driver's cabins. The door to jamb seal, window installation and seals shall be tested against leakage per the National Truck Equipment Association, Ambulance Manufacturing Division Standard 010 - Water Spray Test. This test shall be conducted on EACH ambulance by the quality assurance department.

A.M.D. 011 - EQUIPMENT TEMPERATURE TEST: The ambulance and equipment specified herein shall operate satisfactorily operate between 30 degrees and 125 degrees Fahrenheit per the National Truck Equipment Association, Ambulance Manufacturing Division Standard 011 - Equipment Temperature Test. This standard must be type certified by an independent testing laboratory on a like test model.

A.M.D. 012 - INTERIOR CLIMATE CONTROL TEST: The ambulance and equipment specified herein shall be equipped with a HVAC (Heating, Ventilation, and Air Conditioning) System that will meet or exceed the performance criteria set forth in the National Truck Equipment Association, Ambulance Manufacturing Division Standard 012 - Interior Climate Control Test. This standard must be type certified by an independent testing laboratory on a like test model.

A.M.D. 013 - WEIGHT DISTRIBUTION GUIDELINES: The ambulance specified herein shall be weighed at the end of the ambulance manufacturer's production cycle to assure compliance with the National Truck Equipment Association, Ambulance Manufacturing Division Standard 013 - Weight Distribution Guidelines.

The vehicle specified herein must be weighed on a four point scale that measures the weight imposed on EACH wheel. The side to side weight difference tolerance shall not exceed five percent (5%).

The total weight imposed on the FRONT axle shall not exceed the chassis manufacturer's gross axle weight rating minus three hundred pounds.

The total weight imposed on the REAR axle shall not exceed the chassis manufacturer's gross axle weight rating minus one thousand pounds.

The aggregate total of all four points shall not exceed the gross vehicle weight rating minus eleven hundred pounds regardless of customer specified equipment.

A.M.D. 014 - ENGINE COOLING SYSTEM TEST: The cooling system in the ambulance specified herein shall be tested to assure compliance with the National Truck Equipment Association, Ambulance Manufacturing Division Standard 014 - Engine Cooling System Test. The vehicle specified herein must be tested at the end of the ambulance manufacturers manufacturing cycle to determine if the cooling system capacity is adequate to maintain safe engine operating temperature at ninety five degrees, ambient temperature for one hour. EACH ambulance shall be checked to assure a leak and trouble free cooling system performance.

A.M.D. 015 - AMBULANCE MAIN OXYGEN SYSTEM TEST: Each ambulance's main Oxygen System shall be tested to assure compliance with the National Truck Equipment Association, Ambulance Manufacturing Division Standard 015 - Ambulance Main Oxygen System Test. The subject vehicle specified herein must be equipped with an Oxygen system that can withstand a 150 PSI charge of dry air or Nitrogen for a period of four hours without a loss exceeding five pounds per square inch of pressure.

The results of this test shall be posted inside the oxygen tank stowage compartment. A certificate shall be supplied, describing the test conditions, the initial test pressure, the final pressure (after four hours) and the name of the inspector who performed the test.

A.M.D. 016 - PATIENT COMPARTMENT LIGHTING LEVEL TEST: The ambulance and equipment specified herein shall be equipped with patient compartment lighting that will meet or exceed the performance criteria set forth in the National Truck Equipment Association, Ambulance Manufacturing Division Standard 016 - Patient Compartment Lighting Level Test. This standard must be type certified by an independent testing laboratory on a like test model.

A.M.D. 017 - ROAD TEST: The ambulance and equipment specified herein will meet or exceed the performance criteria set forth in the National Truck Equipment Association, Ambulance Manufacturing Division Standard 017 - Road Test. This standard must be type certified by an independent testing laboratory on a like test model.

A.M.D. 018 - REAR STEP AND BUMPER STATIC LOAD TEST : The rear step and bumper shall be type tested to the National Truck Equipment Association, Ambulance Manufacturing Division Standard 018 - Rear Step and Bumper Static Load Test . This standard must be type certified by an independent testing laboratory on a like test model.

A.M.D. 019 - MEASURING GUIDELINES: COMPARTMENTS AND CABINETS: The ambulance specified herein shall be in compliance with the National Truck Equipment Association, Ambulance Manufacturing Division Standard 019 - Measuring Guidelines: Compartments and Cabinets.

A.M.D. 020 - FLOOR DISTRIBUTED LOAD TEST: The ambulance specified herein shall be type tested to the National Truck Equipment Association, Ambulance Manufacturing Division Standard 0 20 - Floor Distributed Load Test. This standard must be type certified by an independent testing laboratory on a like test model.

A.M.D. 021 - ASPIRATOR SYSTEM TEST, PRIMARY PATIENT: Each ambulance's primary patient aspirator system shall be tested to assure compliance with the National Truck Equipment Association, Ambulance Manufacturing Division Standard 021 - Aspirator System Test, Primary Patient.

A.M.D. 022 - COLD ENGINE START TEST : The ambulance specified herein shall be type tested to the National Truck Equipment Association, Ambulance Manufacturing Division Standard 022 - Cold Engine Start Test.

A.M.D. 023 - SIREN PERFORMANCE TEST: The ambulance siren system shall be type tested to the National Truck Equipment Association, Ambulance Manufacturing Division Standard 0 23 - Siren Performance Test.

A.M.D. 024 - PERIMETER ILLUMINATION TEST: The ambulance and equipment specified herein shall be equipped with perimeter lighting that will meet or exceed the performance criteria set forth in the National Truck Equipment Association, Ambulance Manufacturing Division Standard 016 - Perimeter Illumination Test. This standard must be type certified by an independent testing laboratory on a like test model.

A.M.D. 025 - MEASURING GUIDELINES: OCCUPANT HEAD CLEARANCE ZONES: The ambulance specified herein shall be in compliance with the National Truck Equipment Association, Ambulance Manufacturing Division Standard 025 - Measuring Guidelines: Occupant Head Clearance Zones.

Bidder Complies YES _____ NO _____

QUALITY ASSURANCE: The vendor shall inspect and test all systems, electrical loads, per current Federal specification KKK-A-1822 Section 4. Testing results shall be documented and displayed in the Oxygen compartment and/or supplied with the delivery handbook.

QUALITY/COMPLIANCE ASSURANCE: A thorough quality/compliance inspection by this agency's employees or this agency's hired representative shall compare the Ambulance to the specifications within 10 calendar days of written notice of vehicle completion by the successful bidder. The notice may be faxed, followed by phone contact. The customer reserves the right to authorize the bidder's DEALER to conduct the inspection provided the DEALER is authorized and qualified to correct quality/compliance issues at the DEALER site.

Bidder Complies YES_____ NO_____

NON-COLLUSIVE BID CERTIFICATION:

By submission of this bid response, the Bidder and/or the Bidder's authorized representatives, certify under penalty of perjury, that to the best of their knowledge and belief the following:

- A) The prices in the bid response have been arrived at independently without collusion, consultation, communication, or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other Bidder or with any competitor, and;
- B) Unless otherwise required by law, the prices which have been quoted in the bid response have not knowingly been disclosed by the Bidder and will not knowingly be disclosed by the bidder, prior to the public bid opening, either directly or indirectly to any competitor, and;
- C) No attempt has been made or will be made by the Bidder, for the purpose of restricting competition, to induce any person, partnership or corporation not to submit a bid response .

Bidder Complies YES_____ NO_____

DEBARMENT STATUS:

By submission of this bid response, the Bidder and/or its authorized representatives, certify under penalty of perjury, that to the best of their knowledge and belief they are not currently debarred from submitting bids or bid on contracts by any agency within the home state of THIS AGENCY, nor are they an agent of any person or entity that is currently debarred from submitting bids on contracts by any agency within the home state of THIS AGENCY.

WARNING:

This agency will not tolerate Vendors who state compliance to specifications but deliver an incomplete product and/or sub-standard materials and workmanship. Vendors who have made delivery of such an ambulance without making every reasonable effort to remedy the defects found at the time of delivery or within the warranty period will be notified that they are DEBARRED from submitting bids to this agency in the future. This agency will not waste valuable time (more than once) trying to recover legal costs and deal with lost in-service time of new apparatus, working with vendors who are unresponsive to the needs of this agency.

Bidder Complies YES_____ NO_____

CHASSIS MAKE: The apparatus shall be mounted on a commercially available van distributed by Mercedes. The chassis manufacturer shall be the vehicle's point of origin. The chassis shall be supplied by Mercedes as an incomplete vehicle to the successful ambulance manufacturer. The chassis supplied shall conform to all applicable Federal Motor Vehicle Safety Standards in force at the time of manufacture. A statement of conformity shall be supplied with the chassis in an "Incomplete Vehicle Manual".

CHASSIS MODEL: The apparatus shall be a 2014 Sprinter 2500, van body, single rear wheel, two wheel drive chassis equipped as follows below.

TRIM PACKAGE: The highest level trim package shall be supplied from the O.E.M. The package shall include high quality chrome like bright work on the grille face.

Bidder Complies YES_____ NO_____

O.E.M.: The O.E.M. For the ambulance specified shall be Mercedes Company.

Bidder Complies YES_____ NO_____

ENGINE: A V-6, Turbo-charged Diesel engine shall be provided with a minimum displacement of 3.0 liters 154 horsepower at 3400 revolutions per minute with 280 foot pounds of torque at 1200 revolutions per minute. Engine performance shall comply with or exceed the most current revision of KKK-A-1822.

Bidder Complies YES_____ NO_____

TRANSMISSION: A 5-Speed Automatic, Heavy Duty, Electronically Controlled with overdrive, tow/haul mode and internal transmission oil cooler.

Bidder Complies YES_____ NO_____

GROSS VEHICLE WEIGHT RATING (GVWR): The GVWR of the chassis supplied shall be at least 8,550 pounds.

Bidder Complies YES_____ NO_____

FRONT AXLE WEIGHT RATING (FAWR): The FAWR shall be rated no less than 3,970 pounds.

Bidder Complies YES_____ NO_____

REAR AXLE WEIGHT RATING (RAWR): The RAWR shall be rated no less than 5,360pounds.

Bidder Complies YES_____ NO_____

ALTERNATORS: Sprinter's option No BAJ single alternator option shall be supplied and installed by the O.E.M. The alternator shall have an output of 220 amperes, measured with an under hood temperature of 200 degrees Fahrenheit. The alternator shall be controlled by the vehicles on board computer. The alternators' output cable, originally connected directly to the positive post of the under hood battery, shall be rerouted to a 3/8" diameter, solid brass junction post. A 2/O positive battery cable shall reconnect the alternator to the batteries from the junction post. The ambulance load cable shall connect under the hood to the aforementioned junction post.

Bidder Complies YES_____ NO_____

THROTTLE / AUXILIARY IDLE CONTROL: O.E.M. throttle shall be provided.

Bidder Complies YES_____ NO_____

REAR AXLE RATIO: The rear axle type shall be a 4.10:1 gear ratio.

Bidder Complies YES_____ NO_____

BATTERIES: Two (2) batteries shall be located, one (1) under hood and the other shall be located under the floor in the cab. Each battery shall have a cranking performance rating as set forth by the chassis manufacturer and the second battery shall be designated for the conversion.

Bidder Complies YES_____ NO_____

BRAKES: 4-wheel anti-lock, power assisted hydraulic brakes shall be supplied by the O.E.M. The brakes shall be 4-wheel Disk type with anti skid control.

Bidder Complies YES_____ NO_____

FUEL TANK: A midship fuel tank shall be supplied with a minimum 25 US gallon capacity. The fuel range shall be at least 250 miles per KKK-A-1822.

Bidder Complies YES_____ NO_____

APPEARANCE PACKAGE: The 2500 Chassis shall be equipped from OEM with the following, but not limited to:

Horns, dual electric

Black Argent Grille

Curbside Doors: Sliding

Door Glass, Patient Cabin: Fixed OEM, tinted

Bidder Complies YES_____ NO_____

WINDSHIELD WIPERS: The Chassis shall be equipped OEM with integral intermittent windshield wipers that offer a variety of time delays between cycles.

Bidder Complies YES_____ NO_____

BREAK-A-WAY MIRRORS: Dual, UV resistant polymer break-a-way mirrors, shall be supplied by the O.E.M. The mirrors shall be installed in the forward, lower corner of the side glass area. The driver side mirror glass shall be flat and contour matched to the mirror head. The right mirror shall feature a slightly convex mirror the same size as the driver's mirror. "Objects are closer than they appear" shall be printed on the base of the mirror glass. Both driver and passenger mirrors shall feature motor and heat elements operated by the driver's area.

Bidder Complies YES_____ NO_____

DAYTIME RUNNING LIGHTS: The chassis shall come from Dodge with Daytime Running Lights.

Bidder Complies YES_____ NO_____

TIRES: There shall be four (4) OEM provided LT245/75R16 All Season Radial tires. The tires shall be mounted and balanced. In addition, a spare tire shall be mounted and balanced..

Bidder Complies YES_____ NO_____

SPARE TIRE; A spare tire of matching make, model and size shall be provided with the chassis unit. The spare tire shall be stowed in the OEM location.

Bidder Complies YES_____ NO_____

JACK AND SPARE TIRE TOOLS: The vehicle jack and tools associated with the spare tire and jack shall be shipped loose with the unit.

Bidder Complies YES_____ NO_____

ALUMINUM WHEELS: The wheels shall be aluminum, OEM 16 x 6.5.

Bidder Complies YES_____ NO_____

CAB SEATS: Adjustable O.E.M. High back, cloth covered bucket type seats shall be provided in the cab. Seat bases must be O.E.M..

Bidder Complies YES_____ NO_____

OCCUPANT RESTRAINT SYSTEM: The front, forward facing cab seats shall be equipped with O.E.M. installed three point seat belts. The seat belts shall have pretensioners built into the seatbelt assembly to take up belt slack during a frontal collision. The seat belt assemblies shall meet or exceed F.M.V.S.S. 208 and 209. The inside conversion panels shall not interfere with the swivel arc of the shoulder rings.

Bidder Complies YES_____ NO_____

SUPPLEMENTAL RESTRAINT SYSTEM: O.E.M. air bags shall be installed, one on the driver and one on the passenger side. Permanent or quick release ambulance conversion components shall not interfere with air bag deployment.

Bidder Complies YES_____ NO_____

CAB STEREO: An O.E.M. AM/FM CD in dash radio shall be included with the chassis.

Bidder Complies YES_____ NO_____

FRONT HVAC: The driver's cabin shall feature an O.E.M. installed air conditioning, heating and ventilation system. The system shall feature variable heat/cooling control, a fan speed selector switch and discharge air control. The control layout shall meet SAE standards.

Bidder Complies YES_____ NO_____

CAB INTERIOR COLOR: The interior of the cab shall be Gray.

Bidder Complies YES_____ NO_____

CAB FLOOR COVERING: The cab floor shall be covered with an O.E.M. mat.

Bidder Complies YES_____ NO_____

CRUISE CONTROL: There shall be an OEM supplied cruise control.

Bidder Complies YES_____ NO_____

WELD QUALITY: All welds within the ambulance shall meet American Welding Society codes for structural and sheet welding. All weld sites shall be cleaned prior to welding. All welds shall be free of cracks, cavitation, oxidation and foreign substances. All MIG Welds on steel shall be shielded with Carbon Dioxide/Argon mixed gas, during the process.

Bidder Complies YES_____ NO_____

STRUCTURAL ALTERATIONS:

BULKHEAD BOLTING PLATES: The left and right front cabinets, located just behind the driver and passenger seat shall be through bolted to the welded structure at the base and the top of each cabinet. The base of the cabinetry shall be through bolted to plates welded in perpendicular to the O.E.M. floor. The base plates shall be continuously fillet welded on each side of the plate. This system will maximize crew safety, therefore no exceptions will be considered.

Bidder Complies YES_____ NO_____

OXYGEN RACK BOLT PLATE: The oxygen cylinder anchorage system shall meet National Truck Equipment Associations (N.T.E.A), Ambulance Manufacturers Division (AMD) Test No 003. This system shall be type certified by an independent testing laboratory. Proof of current testing shall be submitted upon request.

Bidder Complies YES_____ NO_____

RIGHT SIDE, INTERIOR WALL PANEL STRUCTURE: The C-pillar is the O.E.M. vertical structure, located after the passenger side access door. The ambulance manufacturer shall install (2) two contour matched, steel intermediate structures to secure the curbside wall panel.

Bidder Complies YES_____ NO_____

ROLL CAGE ENHANCEMENT: A steel roll bar system shall consist of internal structure over the patient cabin and 1 hoop over the driver and passenger. The steel quality should be ASTM-A36. The structure shall be constructed of 1 x 1 steel box tubing. Structure designed to accommodate a recessed grab rail. Additional 1" x 1" box tubing and 1" x 2" channel added for structural integrity.

Bidder Complies YES_____ NO_____

OVERHEAD GRAB RAIL ANCHORAGE: Two four inch wide steel backing/bolting plates shall be welded to the roll cage for up to two 72" long grab rails. As a standard, one 72" grab rail shall have three mounting plates, each plate with holes for two #10 pan head fasteners.

Bidder Complies YES_____ NO_____

SEAT BELT ANCHORAGE: Three sets of seat belts are required along the squad bench. These seat belts shall be through bolted through 11 gauge x 8 steel plate MIG Welded to the O.E.M. Side structure. The seat belt plate shall meet all Federal Motor Vehicle Safety Standards regarding seat belt anchorage requirements. (FMVSS 209 / 210).

Bidder Complies YES_____ NO_____

REAR BUMPER: The OEM Rear Bumper shall be deleted to comply with the requirement of KKK-A-1822 with regard to stepping height and cot loading requirements.

Bidder Complies YES_____ NO_____

REAR BUMPER: The van shall have a bolt on rear bumper step. The main structure shall be steel channel. The channel shall terminate under the aluminum grip strut bumper step and come out past the OEM bumper. There shall be an overlap of the steel channel material forward of the grip strut that shall accept a bolt which is a minimum of 3/8". The rear step shall be constructed of aluminum grip strut with aluminum structure and shall bolt up to the steel channel ends.

Bidder Complies YES_____ NO_____

SNOW CHAINS: The specified ambulance shall have a set of On-Spot Automatic Tire Chain System offering the traction of a single set of conventional snow chains at the flip of a dashboard switch, without having to stop the vehicle. An electric switch shall be mounted in the cab to activate an air solenoid mounted on the vehicles frame rail.

Bidder Complies YES_____ NO_____

SNOW CHAIN COMPRESSOR: The specified snow chain system shall have the compressor to operate the system installed under the Action Area cabinet, accessed through a removable door.

Bidder Complies YES_____ NO_____

SNOW CHAIN AIR SUPPLY TANK: The specified chains shall have an air supply tank that holds the compressed air generated by the compressor system. It shall be located between the chassis frame rails.

Bidder Complies YES_____ NO_____

SNOW CHAIN SWITCH: The specified chains shall have a safety switch in the dash that will activate the system. The switch shall require special activation so as not to be accidentally activated.

Bidder Complies YES_____ NO_____

OEM TOP: The van chassis shall be equipped with an OEM high roof designed to increase head room and accommodate exterior perimeter lighting. Light mounting surfaces shall not prevent the warning lights from meeting all photometric lighting requirements set forth in the current Federal specification KKK-A-1822. Top construction shall be steel structure without external modification.

Since the roof is metal, additional ground plane screen for antenna reception is not necessary.

Bidder Complies YES_____ NO_____

INTERIOR LIGHT VALANCE: There shall be a valance suspended from the ceiling at the rear just inside the rear entry door to house warning and load lights to activate with the rear door in the open position. When the door are closed, these lights shall not activate but the lights mounted on the outside of the rear doors shall activate.

Bidder Complies YES_____ NO_____

LED LIGHT: There shall be a pair of Whelen four (4) LED red lights installed on the ambulance. Final location shall be determined by this department and noted on the final build order at confirmation.

Mounted in the inside window jamb area to face rear with doors open at 90 degrees.

Bidder Complies YES_____ NO_____

THIRD BRAKE LIGHT: The third brake light shall be the OEM standard light as the GM roof cutout does not interfere with the OEM third brake light.

Bidder Complies YES_____ NO_____

EXTERIOR FLOOD and LOAD LIGHTING:

LEFT SCENE LIGHTS: Two scene lights shall be provided on each side of the van top. The lights shall be Whelen 700 LED series. The scene light group shall meet or exceed the current Federal specification KKK-A-1822.

Bidder Complies YES_____ NO_____

SCENE LIGHT SWITCHING: The scene lights shall come on with two separate rocker switches labeled Right Flood and Left Flood, located in the center cab console controlled by the master switch. The right (curb side) scene lights shall also come on when the side entry door is opened.

Bidder Complies YES_____ NO_____

REAR LOAD LIGHTS: Two rear load lights shall be provided on the rear of the van top. The lights shall be Whelen 700 LED series. The light group shall meet or exceed current federal specification KKK-A-1822.

Bidder Complies YES_____ NO_____

BRIGHT CHROME-LIKE FLANGES: The Rear load light group shall each have bright chrome trim flanges.

Bidder Complies YES_____ NO_____

REAR LOAD LIGHT SWITCHING: The rear load lights shall come on with a separate rocker switch located in the cab console controlled by a master switch. The switch shall be labeled "Rear Flood" and shall control both rear load lights on the rear of the body and above the rear access doors. The rear load lights will come on when rear doors are opened.

Bidder Complies YES_____ NO_____

ENVIROMENTAL

A/C UNIT LOCATION: On the floor behind the attendant seat. AC Unit will have a ducted delivery system in the ceiling with eight (8) adjustable vents. And two additional adjustable vents above and behind the attendant seat.

Bidder Complies YES_____ NO_____

AUXILIARY CONDENSER: The patient area A/C system shall employ an auxiliary condenser that is plumbed in series with the O.E.M. Condenser. The condenser shall be through bolted to brackets under the chassis. The electric cooling fan shall be mounted to the core assembly and blow toward the road. The condenser fan shall come on when either the cab or the patient cabin A/C unit is turned on. Fan blades shall be protected by a high impact resistant grille work that is molded into the fan body. All fan wiring shall be routed, secured and protected from road hazards. The condenser body shall not fall within the vehicles maximum ramp break over angle.

Bidder Complies YES_____ NO_____

REAR AIR CONDITIONING EVAPORATOR: Air Conditioning is hereinafter referred to as A/C. The module shall have an additional, self-contained A/C evaporator unit complete with a dual blower motor driven, high output fan. The fan shall be three speed and shall move 600 cubic feet of air per minute on high. The A/C unit shall also incorporate a hot water heater core for heat. The valves shall operate with the heater/defrost controls. The unit shall be rated at least 32,000 British Thermal Units (BTU) in A/C Mode and 23,000 BTU in Heater Mode. The Vehicle A/C Heater system must meet or exceed current Federal specification KKK-A-1822.

Bidder Complies YES_____ NO_____

HEATER HOSES: Heater hoses for the cab shall remain O.E.M.. 5/8 inside diameter, E.P.D.M. rubber hoses shall route from the O.E.M. tie in point to the rear heater core. Hose made from other materials shall not be used because they do not meet Ford Qualified Vehicle Modifiers Program (Q.V.M.).

Bidder Complies YES_____ NO_____

CONDENSATION DRAIN PAN: A condensation pan shall be provided to collect water condensation from the evaporator coil. The drain pan shall be formed from an aluminum sheet and shall be listed (tilted) toward the drain fitting. The Evaporator unit shall be mounted so that the weight of the coil, case and blower assembly does not rest on the pan. The drain hose shall be ½ I.D., collapse resistant and fiber reinforced poly-tubing. The hose shall be routed from the condensation pan to the street.

Bidder Complies YES_____ NO_____

AIR CONDITIONING HOSES: All A/C Hoses shall meet Society of Automotive Engineers (SAE) J-2064. The discharge (High side) is (Size 6). The suction (Low side) shall be (Size 10).

All hose to fitting clamps shall be machine crimped, plated steel ferrule type.

Bidder Complies YES_____ NO_____

HEATER HOSES: Heater hoses for the cab shall remain O.E.M.. 5/8 inside diameter, E.P.D.M. Nomex rubber hoses shall route from the O.E.M. tie in point to the rear heater core per QVM standards.

Bidder Complies YES_____ NO_____

PATIENT CABIN - AIR CONDITIONING SYSTEM: The air conditioning system specified herein shall be completely divorced/separate from the cab HVAC system. ALL components of the A/C (HVAC) system shall be MATCH SELECTED AND SOURCED from ONE air conditioning vendor. A/C system warranty responsibility and system durability issues shall be ABSOLUTELY CLEAR. A/C systems comprised of components originating from mixed vendors are not acceptable.

Bidder Complies YES_____ NO_____

SWITCHING: The Patient Area Air Conditioning and Heat shall be controlled with a switch in both the Cab Switch Panel and the Patient Area Switch Panel. The switches shall be wired three way so that the system can be activated or canceled from either location..

Bidder Complies YES_____ NO_____

REAR AC CONTROL / THERMOSTAT: The air conditioning and heat for the patient cabin shall be controlled by a thermostatically sensitive panel located in the action area console. The panel shall feature a three speed fan control switch, a system "heat-off-cool" switch and a variable temperature control. L.E.D. lights shall indicate "cool" and "heat" modes. A digital display shall indicate the patient cabin temperature.

Bidder Complies YES_____ NO_____

LINER PANELS: The patient cabin head liner substrate material shall be one quarter inch thick plywood. The substrate shall be covered with a minimum 28 mil thick gloss white mica.

Bidder Complies YES_____ NO_____

INTERIOR LIGHTING

PATIENT CABIN DOME LIGHTS: The patient cabin shall have six dual intensity, Kinequip LED KFA-LS15-W dome lights in the ceiling. The domes centers shall be aligned along two, light banks. The left bank shall provide light directly over the patient; the right bank shall provide light directly over the aisle/squad bench. The dome lights and configuration shall meet current Federal Specifications KKK-A-1822.

Bidder Complies YES_____ NO_____

15 MINUTE ELECTRONIC TIMER: A 15 minute, electronic timer activated by a switch shall provide temporary illumination of the patient cabin for check out purposes. The switch shall activate the lights listed below. The switch input shall be wired directly to the vehicle batteries. The timer circuit shall comply with KKK-A-1822 3.8.5.2.

Bidder Complies YES_____ NO_____

LIGHTS POWERED BY TIMER: The aforementioned timer shall power all of the dome lights on the low intensity setting. The duration of the light shall vary with the setting of the timer.

Bidder Complies YES_____ NO_____

Located on the interior Curbside wall, at the head of the squad bench.

Bidder Complies YES_____ NO_____

I. V. BAG HANGING HARDWARE, No 1: One self-contained recessed I. V. Hook assembly shall be installed in the ceiling. The I. V. Hook assembly shall fold and stow recessed in a cast aluminum housing. The hooks are to be spiral shaped to preclude I. V. Bag from falling off with push button release for each fluid bag. The I. V. Hook assembly shall hold (2) two bags of fluid. A rubber with Velcro anti-sway device shall be included for I. V. retention, without depending on adjacent cabinetry.

Located of the Primary patient, in the close proximity to the Head/Chest area of the patient.

Bidder Complies YES_____ NO_____

I. V. BAG HANGING HARDWARE, No 2: One self-contained recessed I. V. Hook assembly shall be installed in the ceiling. The I. V. Hook assembly shall fold and stow recessed in a cast aluminum housing. The hooks are to be spiral shaped to preclude I. V. Bag from falling off with push button release for each fluid bag. The I. V. Hook assembly shall hold (2) two bags of fluid. A rubber with Velcro anti-sway device shall be included for I. V. retention, without depending on adjacent cabinetry.

Located of the Secondary patient, in the close proximity to the Head/Chest area of the patient.

Bidder Complies YES_____ NO_____

OVER HEAD ASSIST RAIL: The rail shall be mounted in Center of Ceiling Panel. The rail shall meet or exceed current Federal specification KKK-A-1822. The rail shall be 1 ¼ diameter, 100% stainless steel and 72" long. All rail fittings shall be TIG welded to the main rail.

Bidder Complies YES_____ NO_____

PATIENT CABIN INSULATION: The insulation material shall be 8mm thick nonabsorbent, reflective and shall have an air cell core. The insulation shall be installed with at least ½ air space from exterior skins, exposed to direct sun light. The insulation thermal rate testing shall be conducted in accordance with A.S.T.M. E84-89A, ANSI 2.5, N.F.P.A. 255, U.B.C. 42-1, and U.L. 723. The insulation shall have a N.F.P.A. Class A and a U.B.C. Class 1 fire rating with a flame spread index of 20 and a smoke developed index of 30. The application shall include a single layer of insulation on all four walls, doors, compartments, ceiling and floor.

Bidder Complies YES_____ NO_____

PATIENT CABIN INSULATION, ADDITIONAL : The additional insulation material shall be 8mm thick nonabsorbent, reflective and shall have an air cell core. The insulation shall be installed with at least ½ air space from exterior skins, exposed to direct sun light. The insulation thermal rate testing shall be conducted in accordance with A.S.T.M. E84-89A, ANSI 2.5, N.F.P.A. 255, U.B.C. 42-1, and U.L. 723. The insulation shall have a N.F.P.A. Class A and a U.B.C. Class 1 fire rating with a flame spread index of 20 and a smoke developed index of 30. The application shall be an additional layer of insulation on all four walls, doors, compartments, ceiling and floor.

Bidder Complies YES_____ NO_____

SPRINTER FRONT UPPER WARNING ZONE; There shall be produced and installed an inclusive weather protective housing for the front upper warning lights on the Sprinter High roof chassis cab. The base housing is constructed of Fiberglass reinforced plastic, general purpose resin with Fiberglass content 30% minimum by weight, final coated with isothalic gel coating at .015 minimum. The internal of the housing is base painted Silver Metallic Sherwin Williams Polane G. The lens is contoured to fit the shell and is optically clear DME#A2 Polycarbonate Makrolon # AL2647. The lens also has a hard coating applied to resist scratches and UV damage. The lens and bezel ring is hinged to allow access to the lights utilizing stainless steel brackets, and a secure extruded silicone rubber 50-60 durometer gasket. This housing shall contain Upper level warning lights at minimum with opportunities for additional lighting at upper and lower levels. All lights shall be connected to harness that will be integrated to the warning light system. The upper warning light minimum package shall comply with photometric, chromaticity and physical requirements set forth in Federal specification KKK-A-1822D 3.8.2.2.

Bidder Complies YES_____ NO_____

LAYOUT PACKAGE 1; There shall be 3 total lights installed in the upper row of the aero dome. All connected to standard primary warning light activations. Additional lighting shall consist of two additional M2 lights on the upper row, one additional M6 light on the upper row, and two rotobeam LED rotator lights.

The lower row of additional lights shall contain seven M4 size warning lights. The additional warning lights shall be controlled by a "FRONT LIGHTBAR" ACTIVATION Switch.

Bidder Complies YES_____ NO_____

LIGHTING POSITION U1;

UPPER FRONT SIDE WARNING; There shall be installed a Whelen M2 Red LED warning light at the U1 position of the aero dome.

Bidder Complies YES_____ NO_____

LIGHTING POSITION U2;

UPPER WARNING LIGHT; there shall be installed an Whelen M-6 non Programmable RED LED light with no lens.

Bidder Complies YES_____ NO_____

LIGHTING POSITION U3A;

UPPER WARNING LIGHT; there shall be installed a Whelen 600 size Rotobeam LED, Red light with separate control icon/ switch in the front control panel

Bidder Complies YES_____ NO_____

LIGHTING POSITION U4;

UPPER WARNING LIGHT; there shall be installed an Whelen M-6 non Programmable White LED light with no lens.

Bidder Complies YES_____ NO_____

LIGHTING POSITION U5;

UPPER WARNING LIGHT; there shall be installed an Whelen M-6 non Programmable White LED light with no lens.

Bidder Complies YES_____ NO_____

LIGHTING POSITION U6B;

UPPER WARNING LIGHT; there shall be installed a Whelen 600 size Rotobeam LED, Red light with separate control icon/ switch in the front control panel

Bidder Complies YES_____ NO_____

LIGHTING POSITION U7;

UPPER WARNING LIGHT; there shall be installed an Whelen M-6 non Programmable RED LED light with no lens.

Bidder Complies YES_____ NO_____

LIGHTING POSITION U8;

UPPER FRONT SIDE WARNING; There shall be installed a Whelen M2 Red LED warning light at the U1 position of the aero dome.

Bidder Complies YES_____ NO_____

LIGHTING POSITION L1;

UPPER WARNING LIGHTS, LOWER DECK: There shall be installed a Whelen M4 Red LED, with programmable flash patterns on the lower deck of the aero dome.

Bidder Complies YES _____ NO _____

LIGHTING POSITION L2

UPPER WARNING LIGHTS, LOWER DECK: There shall be installed a Whelen M4 White LED, with programmable flash patterns on the lower deck of the aero dome.

Bidder Complies YES _____ NO _____

LIGHTING POSITION L3

UPPER WARNING LIGHTS, LOWER DECK: There shall be installed a Whelen M4 Red LED, with programmable flash patterns on the lower deck of the aero dome.

Bidder Complies YES _____ NO _____

LIGHTING POSITION L4

UPPER WARNING LIGHTS, LOWER DECK: There shall be installed a Whelen M4 White LED, with programmable flash patterns on the lower deck of the aero dome.

Bidder Complies YES _____ NO _____

LIGHTING POSITION L5

UPPER WARNING LIGHTS, LOWER DECK: There shall be installed a Whelen M4 Red LED, with programmable flash patterns on the lower deck of the aero dome.

Bidder Complies YES _____ NO _____

LIGHTING POSITION L6

UPPER WARNING LIGHTS, LOWER DECK: There shall be installed a Whelen M4 White LED, with programmable flash patterns on the lower deck of the aero dome.

Bidder Complies YES _____ NO _____

LIGHTING POSITION L7

UPPER WARNING LIGHTS, LOWER DECK: There shall be installed a Whelen M4 Red LED, with programmable flash patterns on the lower deck of the aero dome.

Bidder Complies YES _____ NO _____

WARNING LIGHT FLASHER: A Vanner Model 9860GCPE Heavy Duty, Duo-mode electronic flasher shall provide momentary power (Flash) the Halogen light heads at a rate of 75 to 80 flashes per minute (+-8%). The device shall have three output legs with maximum output current ratings of: Terminal A with forty amperes, Terminal B with 24 amperes and Terminal C with 30 amperes. Primary mode is the standard running mode which flashes alternately between light heads powered off Leg A and those lights powered off Legs B and C. In secondary mode (used at the scene), all lights on Leg C will go out. The device shall function with an input voltage ranging from ten to sixteen volts, direct current. (10V - 16V). The flasher shall operate in the most severe environments with an operating ambient air temperature range, around the device of negative forty to positive one hundred degrees Fahrenheit. (-40 to 150 F) The input circuit shall be protected with overload protection

Bidder Complies YES_____ NO_____

FLASH PATTERN: The warning lights shall flash in the sequence described in the present revision of the Federal specification KKK-A-1822.

Bidder Complies YES_____ NO_____

PRIMARY / SECONDARY SWITCH: The warning light system shall be controlled with a switch(es) located in the cab console. The switch(es) shall allow for "Off" position, "Primary" position, and "Secondary" position. Each output of the switch shall be indicated with a small red lamp, integrated in the switch legend area. The switch shall have an engraved, illuminated legend that clearly defines the function of the switch.

Bidder Complies YES_____ NO_____

(4) Side Facing, Upper Body Lights: 900 L.E.D.. These light heads shall be Super LED with RED light emitting diodes.

Bidder Complies YES_____ NO_____

Lens color of above light to be clear.

Bidder Complies YES_____ NO_____

The above LED light(s) shall be programmable to flash without an external flasher.

Bidder Complies YES_____ NO_____

(2) Intersection Lights: A pair of TIRLIN-3 LED lights shall be mounted in chrome flanged housings on the front fenders.

Bidder Complies YES_____ NO_____

(2) Grille Lights: A pair of TIRLIN-3 RED LED lights shall be mounted in chrome flanged housings on the grille supports and mounted in such a way as not to block air flow.

Bidder Complies YES_____ NO_____

Lens color of above light to be clear.

Bidder Complies YES_____ NO_____

(2) Rear Upper Body Lights: 700 L.E.D.. These light heads shall be Super LED with RED light emitting diodes.

LOCATION: Rear of the module, two inside in the valance and two outside on the rear access doors.

Bidder Complies YES_____ NO_____

(4) Rear Upper Body Lights: (2) 900 Series L.E.D., (2) 700 Series L.E.D these light heads shall be Super LED with RED light emitting diodes.

Bidder Complies YES_____ NO_____

Lens color of above lights to be clear.

Bidder Complies YES_____ NO_____

LOCATION: (2) 900 Series on the rear of the module, one in each upper outer corner,

(2) 700 Series inside in the valance

Bidder Complies YES_____ NO_____

The above LED 700 Series light(s) shall be programmable to flash without an external flasher,
The above 900 Series shall be steady burn to operate with the brake light override feature

Bidder Complies YES_____ NO_____

BRAKE LIGHT OVERRIDE: The rear warning lights described above shall steady burn with the brake light switch on the foot pedal.

Bidder Complies YES_____ NO_____

The brake light override feature shall function during all modes of lighting operation. The aforementioned lights shall steady burn when the brake pedal switch is activated even when the emergency lighting is turned OFF. When the warning lights are in Secondary mode, then the rear lights specified above shall steady burn for the duration of the foot pedal depression and resume flashing when the foot brake is released.

Bidder Complies YES_____ NO_____

The brake light override feature requires an In-Power FLAS-VCM08 flasher unit to allow the programmable lights to brake override.

Bidder Complies YES_____ NO_____

(3) Rear AMBER Warning Lts: Whelen (1) 700, (2) 900, (Super LED). These light heads shall be Super LED with AMBER light emitting diodes.

Bidder Complies YES_____ NO_____

LOCATION: Rear of the module, one inside in the valance and two outside on the rear access doors.

Bidder Complies YES_____ NO_____

The above LED light(s) shall be programmable to flash without an external flasher.

Bidder Complies YES_____ NO_____

Lens color of above lights to be clear.

Bidder Complies YES_____ NO_____

FRONT GRILLE WARNING LIGHTS; There shall be two lights mounted to the chassis grille to providing oncoming traffic warning for the lower zone. There shall be installed (2) Whelen Wide angle ION series Red LED warning lights with black housing at the specified location.

Bidder Complies YES_____ NO_____

GRILLE LIGHT BRACKETS There shall be installed a set of brackets to allow for mounting of the lights above to the backside of the sprinter grille. The brackets shall be coated to protect from the elements.

Bidder Complies YES_____ NO_____

(2) Side Facing, REAR Intersection Lights: 700 L.E.D.. These light heads shall be Super LED with RED light emitting diodes.

LOCATION: On the side of the module, over each rear wheel well opening on the ambulance body.

Bidder Complies YES_____ NO_____

The above LED light(s) shall be programmable to flash without an external flasher.

Bidder Complies YES_____ NO_____

Lens color of above light to be clear.

Bidder Complies YES_____ NO_____

(2) Intersection Lights - Front Fenders: 700 L.E.D.. These light heads shall be Super LED with RED light emitting diodes. Whelen's optional bright, chrome like trim bezel (Flange), Part No 7EFLANGE shall embellish both light heads.

Bidder Complies YES_____ NO_____

The above LED light(s) shall be programmable to flash without an external flasher.

Bidder Complies YES_____ NO_____

Lens color of above light to be clear.

Bidder Complies YES_____ NO_____

STEPWELL INSULATION PACKAGE: The underside of the curbside stepwell shall be insulated between the structure with blueblock foam and then the underside shall be capped off with aluminum sheet to protect the blueblock foam from weather elements.

Bidder Complies YES_____ NO_____

BATTERY SWITCH: A conversion disconnect switch shall be supplied. Constant battery power shall be supplied for device memory(i.e.). The switch shall be a Cole Hersee Model M2484-16 with a legend bezel that defines the ON and OFF position. Additionally, an indicator light shall illuminate on the cab console panel when the switch is placed in the "ON" position.

Bidder Complies YES_____ NO_____

OVERHEAD CAB DOME LIGHT: A pair of 12 Volt Kinequip LED lights shall be installed in the cab headliner, one over driver and one passenger side to illuminate each side of the cab. The switch on each light shall switch the light from Off to Red and Off to Clear.

Bidder Complies YES_____ NO_____

CAMERA SYSTEM: The vehicle shall include a single camera backup monitoring system. The system shall include, but not limited to a 7" color monitor that is mounted within clear view of the driver, but not to obstruct view out the front windshield at eye level. The monitor shall be connected to a camera mounted on the rear of ambulance body Built into 3rd Brake light, to allow the driver to view as they are backing up. Unless otherwise specified, the camera shall be mounted over the rear doors as close to the centerline of the vehicle as possible. The system shall include all the necessary cables and adapters to connect the system together with power as needed. The monitor shall automatically be tied in so that when the vehicle is placed in reverse, it will automatically illuminate the monitor and through the monitor controls shall allow for the monitor to be illuminated when the vehicle is in any gear.

Bidder Complies YES_____ NO_____

CAMERA #2: There shall be a second camera (low profile) mounted in the patient area, hidden from plain view. The optimum location shall be in the recessed ABS pan of the patient area grab rail.

Bidder Complies YES_____ NO_____

CAMERA MOUNTING: Towards rear of the patient area to show the forward section of the patient area.

Bidder Complies YES_____ NO_____

CAB MONITOR MOUNT :: The vehicle shall include an ABS monitor housing, mounted on cab ceiling.

Bidder Complies YES_____ NO_____

CIRCUIT BOARD: The single relay control board is a fully integrated relay control board designed and built to IPC Class 3* guidelines. The VF4 style socketed relay is rated at 20A at 24 VDC with built-in on-board diode suppression. Three status indicators for Blown Fuse, Coil Power and Load allow for intuitive operation and troubleshooting. Also included is a medium sized ATO blade style fuse / circuit breaker holder that is rated for 20A. Wiring connections are made via a WAGO Cage Clamp removable lockable connector, which provides a secure, vibration proof and corrosion resistant wire termination. Installation time is reduced by as much as 75%. All of these features are mounted in a 2"x2" DIN Rail mountable package. Clearly, the Single Relay Control Board is a best-in-class solution for Emergency Vehicle relay applications.

Bidder Complies YES_____ NO_____

TOWN OF TRUMBULL
EMERGENCY MANAGEMENT SERVICES (EMS)
TECHNICAL SPECIFICATIONS FOR
TYPE II, CLASS A AMBULANCE

RFP 6077 DUE; AUGUST 14, 2014 @ 2PM

PROPOSAL

THE UNDERSIGNED AFFIRMS AND DECLARES that this Bid is executed with full knowledge and acceptance of the specifications, requirements, terms and conditions contained herein and with complete understanding and full compliance of system requirements and hereby submits this Bid for the request noted above and certifies that this Bid meets all the specifications and conditions requested herein. Any substitutions to the specifications requested are clearly and completely noted. Any alternate Bids are presented in a similar format to those requested and are attached herein. It is understood that the Town reserves the right to reject any or all Bids or waive any formalities in this request.

Above Price Shall Remain Firm to _____, July 2015

Detailed specifications and literature accompanies this response are attached.

One (1) TYPE II, CLASS A AMBULANCE as detailed in the attached specifications

Year Make & Model: _____

DELIVERY: _____ after receipt of Purchase Order

TOTAL PRICE \$ _____

(Written TOTAL amount)

Warranty: _____

The undersigned, as bidder, declares that no person, or persons, other than those named herein, are interested in this Proposal; that this Proposal is made without collusion with any person, firm or corporation; that no person or persons acting in any official capacity for the Town is directly or indirectly interested therein or in any portion of the profit.

Company Name

By (Signature)

Address

Print Name

Address

Title

Date

Telephone/Fax

Email

Website