



**TOWN OF STRATFORD  
PURCHASING DEPARTMENT  
STRATFORD, CONNECTICUT**

BID No. 2010-009

Issued : March 2, 2010

Subject : Type II Ambulance

The Town of Stratford through the Office of the Purchasing Agent, will receive SEALED BIDS for furnishing the equipment described in the accompanying specifications, in accordance with the instructions, conditions and reservations that follow:

**A. CLOSING DATE:**

Bids will be received until 3:00 pm March 23, 2010, at which time they will be publicly opened and read. All bidders are invited to attend this public opening, which will be held immediately following the closing time specified above, in the Office of the Purchasing Agent, Room 202, Town Hall, 2725 Main Street, Stratford, CT 06615.

Any bid may be withdrawn prior to the above-scheduled time for receiving bids or authorized postponement thereof. Any bids received after the date and time specified shall NOT be considered. No bidder may withdraw a bid within 45 days after the actual opening thereof.

**B. INSTRUCTIONS:**

Bid proposals are to be submitted **(THREE COPIES)** in a sealed envelope and clearly marked with the bid number and description on the outside of the envelope, including all outer packaging (DHL, FedEx, UPS, etc).

Bids must be delivered to:

Purchasing Department  
Stratford Town Hall – Rm 202  
2725 Main Street  
Stratford, CT 06615

**C. CONDITIONS:**

**Bid Surety:**

A Certified Check, Cashier's Check or Bid Bond in the amount of \$5,000.00 must accompany each proposal, made payable to the Town of Stratford. No bid will be considered without this surety. Upon award or rejection of the bid, all Certified Checks or Cashier's Checks received in lieu of Bid Bonds will be returned to the bidders.

**Payment:** Final payment will be made upon the acceptance of the completed work by an authorized representative of the Town of Stratford. NO partial payments will be made. Invoices covering the work specified herein should be forwarded to the Purchasing Department upon completion of the project.

**Taxes:** The Town of Stratford is exempt from all State and Federal taxes. Do not include these amounts in your quotation.

**Addendums:** All addendums will be posted on the town website, [www.townofstratford.com](http://www.townofstratford.com). It is the responsibility of the bidder to check the website for any addendums before submitting their bid.

**F.O.B. Destination:** All prices quoted must be net delivered to destination.

**Conflict of Interest:** No public official or employee shall, while serving as such, have any financial interest or engage in any business, employment, transaction or professional activity or incur any obligation of any nature which is in substantial conflict with the proper discharge of his/her duties or employment in the public interest.

**D. RESERVATIONS:**

The Town of Stratford may consider informal any bid not prepared and submitted to the Town in accordance with the provisions herein stated. The Town of Stratford reserves the right to reject any or all bids or parts of bids; to waive defects in same bids; or to accept any bid or part thereof deemed to be in the best interests of the Town of Stratford.

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Michael Bonnar, Purchasing Agent

**SPECIFICATIONS:** See next page.

**STRATFORD EMERGENCY MEDICAL SERVICE  
AMBULANCE SPECIFICATIONS - BID #2010-009**

The ambulance shall meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**CHASSIS MAKE:** The chassis shall be mounted on a commercially available extended van manufactured by Ford Motor Company. The chassis manufacturer shall be the vehicle's point of origin. The chassis shall be supplied by Ford 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.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**CHASSIS MODEL:** The chassis shall be a 2010 or newer E-350, Extended van body, 138" WB.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**ENGINE:** A V-8, Turbo-charged Diesel engine shall be provided with a minimum displacement of 6.0 liters (363 cu in). Engine performance shall comply with or exceed the current Federal G.S.A. KKK-A-1822 specifications.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**TRANSMISSION:** A 5-speed, automatic with overdrive transmission shall be provided.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**ALTERNATORS - CHARGING SYSTEM:** Ford's dual alternator option shall be supplied and installed. One (1) alternator shall have an output of 120 amperes and the second will have 140 amperes.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**BATTERIES:** Dual Optima (800 CCA) 34 (8002-002) batteries shall be provided. Each battery shall have a cranking performance rating of at least seven hundred and fifty cold cranking amperes. Install a manual dashboard switch to permit alternating the batteries during a battery failure.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**BRAKES:** 4-wheel anti-lock, power assisted hydraulic brakes shall be supplied. The brakes shall be 4-wheel Disk type. The parking brake shall be an independent mechanical driveline brake, provided by the O.E.M.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**FUEL TANK:** The fuel tank shall be supplied with a minimum 35 US gallon capacity. The fuel range shall be at least 250 miles per the current Federal G.S.A. KKK-A-1822 specifications.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**SIDE REAR VIEW MIRRORS:** Dual mirrors with power adjusted mirror glass and manually telescoping mirror heads. Both mirrors shall feature a bi-directional breakaway function to permit folding the mirror heads against body in close quarters.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**POWER WINDOWS:** The cab doors shall have power windows.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**DOOR LOCKS:** The chassis shall have power door locks. A manual lock release shall be installed under hood.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**SPOTLIGHT:** The cab area shall be equipped with a handheld spotlight, with a minimum of 400,000CP.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**CAB SEATS:** Adjustable High back, bucket type seats shall be provided in the cab.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**OCCUPANT RESTRAINT SYSTEM:** The front, forward facing cab seats shall be equipped with 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.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**SEAT BELT ANCHORAGE:** Three sets of seat belts are required along the squad bench.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**SUPPLEMENTAL RESTRAINT SYSTEM:** Air bags shall be installed, one on the driver and one on the passenger side.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**CAB STEREO:** An AM/FM CD player in dash radio shall be included with the chassis.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**CAB FLOOR COVERING:** The cab floor shall be covered with a rubber mat in lieu of carpet.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**TIRES/WHEELS:** (4) LT245/75R x 16E all season, steel-belted radial tires, (4) 16 x 7.0 8-Hole Steel wheels, (1) Spare tire, and wheel to match others installed and (1) Jack, and set of tire changing tools.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**SNOW CHAINS:** The specified ambulance shall have a set of On-Spot brand Automatic Tire Chain System. Offering the traction at the flip of a dashboard switch, without having to stop the vehicle.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**VEHICLE HEADROOM:** The usable interior vehicle headroom from the floor to the ceiling in the patient area shall be at least 66" in height, and meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**FLOOR LENGTH:** The usable interior vehicle floor length from the rear doors to the bulkhead shall be at least 131" in length.

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, cavitations, oxidation and foreign substances. Welders employed to weld on the body shall be certified to AWS QC7-93.

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. Oxygen storage cabinet shall accommodate an M cylinder. The main cylinder rack shall be through bolted to a permanent high strength steel bolt plate. The rack width plate shall be continuously welded to the body structure and the floor, along the top and bottom edge of the plate. All weld sites shall be cleaned and under coated to eliminate corrosion.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**ROLL CAGE:** A strategically designed and tested roll cage shall provide protection yet not add unnecessary weight to the top of the ambulance.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**FRONT MUD FLAPS:** Mud flaps shall be mounted to the front fenders just behind the front tires.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**REAR MUD FLAPS:** Mud flaps behind both rear tires shall be supplied and installed.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**REAR BUMPER TRANSITION STEP:** The rear bumper shall be secured with a minimum of four (4) Carriage Head Bolts and nuts, constructed of stainless steel shall be an extruded aluminum extrusion with channels built in to the extrusion die. These channels shall be designed to create a non-skid at the entrance to the rear of the ambulance.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**RUNNING BOARDS:** The running boards shall be notched for the battery compartment.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**BATTERY COMPARTMENT:** One heavy-duty aluminum battery storage compartment shall be installed to accommodate two batteries. Made of Diamond Plate with flip down access door.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**CAB DOME LIGHT:** There shall be a dome light in the cab ceiling. The light shall have its own switch on the lens. The light shall be located over the driver.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**CAB DOME LIGHT:** There shall be a dome light in the cab ceiling. The light shall have its own switch on the lens. The light shall be located over the passenger.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**THIRD BRAKE LIGHT:** A third brake light, 500 LED, shall be located centered above the rear access doors, and come on only when the brake is applied.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

#### **EXTERIOR FLOOD and LOAD LIGHTING**

**LEFT SCENE LIGHTS:** Two (2) scene lights shall be provided on the left side of the van top. The lights shall be Whelen 900 LED, with downward illumination. The scene light group shall meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**RIGHT SCENE LIGHTS:** Two (2) scene lights shall be provided on the right side of the van top. The lights shall be Whelen M00 LED, with downward illumination. The scene light group shall meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**SCENE LIGHT SWITCHING:** The scene lights shall come on with two (2) separate rocker switches, located in the center cab console. One switch labeled "Right Flood" shall control both scene lights on the right side of the body and the other switch labeled "Left Flood" shall control both scene lights on the left side of the body. 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 (2) load lights shall be provided on the rear of the van. The lights shall be Whelen 700 LED, with downward illumination. The scene light group shall meet or exceed meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**REAR LOAD LIGHT SWITCHING:** The rear load lights shall come on with a separate rocker switch located in the center cab console. The switch shall be labeled "Rear Flood" shall control both rear load lights on the rear of the body and above the rear access doors. The rear load lights shall come on when the vehicle is placed in REVERSE. The rear load lights shall also come on when the lead rear entry door is opened.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**HEATER 125 VOLT:** A 125 volt AC ceramic 5200 BTU, 1500 Watt heater shall be provided.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**FRONT HVAC:** The driver's cabin shall feature an installed air conditioning, heating and ventilation system. The system shall feature variable heat/cooling control, a fan speed selector switch and discharge air control.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**A/C CONDENSER:** The module AC system shall employ the condenser.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**AIR CONDITIONING EVAPORATOR:** AC/Heat Unit shall have a dual blower motor driven, high output fan. The Vehicle AC/Heater system shall meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**CONDENSATION DRAIN PAN:** A condensation pan shall be provided to collect water condensation from the evaporator coil.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**AIR CONDITIONING HOSES:** All A/C Hoses shall meet Society of Automotive Engineers (SAE) J-2064.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**REAR AC CONTROL/THERMOSTAT:** A thermostatically sensitive panel located in the action area console shall control the air conditioning and heat for the patient cabin.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**RECHARGEABLE FLASHLIGHTS:** Two (2) Streamlight Lite Boxes, SL 45, rechargeable flash lights shall be supplied and installed by the ambulance manufacturer. The customer shall determine location for the lights at confirmation.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**PATIENT CABIN DOME LIGHTS:** The patient compartment shall be provided with a minimum of six (6) overhead LED "dual-intensity" lights; 3 streetside, and 3 curbside. These lights shall be mounted into the patient compartment headliner and shall not protrude into the patient compartment. The dome lights and configuration shall meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**REAR LIGHT TIMER:** A variable, spring wound, mechanical timer switch shall provide temporary illumination of the patient cabin for check out purposes. The switch shall activate the high side of the street side bank of domes. The switch input shall be wired directly to the vehicle batteries. The timer circuit shall meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**I.V. BAG HANGING HARDWARE:** Two (2) recessed I.V. Hook assemblies shall be installed in the ceiling. Location of the patient I.V. hangers shall be centered over cots, in close proximity to the chest area of the primary patient, and the secondary patient.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**OVER HEAD ASSIST RAIL:** One (1) 72" long rail shall be naturally accessible to assist working attendants in maintaining their balance. The rails shall meet or exceed federal specification KKK-A-1822.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**PATIENT CABIN INSULATION:** 100% insulation coverage, with air cell core. The insulation thermal rate testing shall be conducted in accordance with A.S.T.M. E84-89A, A.N.S.I. 2.5, N.F.P.A. 255, U.B.C. 42-1, and U.L. 723. The walls shall not be less than R-12 up or down. 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 the aforementioned insulation on all four walls, doors, compartments, ceiling and floor.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**FRONT LIGHT BAR:** The front light bar shall be a Whelen, Liberty, SX2, 54", LED. All lenses shall be CLEAR in color. LED's to be: R/C/R/C/C/R/C/R, series 500. Outboard Reds to be angled.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**WARNING LIGHT SYSTEM:** The warning light system shall include a Whelen Flasher 1660, Super LED, supplied and installed. The warning lights shall flash in the sequence, and meet or exceed the current Federal G.S.A. KKK-A-1822 specifications. The warning light system shall be controlled with a rocker switch located in the cab console. The switch shall have a center "Off" position, Upper "Primary" position, and a lower "Secondary" position.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

Two (2) Grille Lights: Whelen LINZ6, LED. The LED shall be RED in color. The lens shall be CLEAR in color.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

900 Flange Package: (4) Side, (3) Front Facing Warning Lights  
(3) Rear 700 Warning Lights

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

Two (2) Front Intersection Lights: Whelen 700, LED (Super LED). The LED shall be RED in color. The lens shall be CLEAR in color.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

Two (2) Rear Intersection Lights: Whelen 700, LED (Super LED). The LED shall be RED in color. The lens shall be CLEAR in color. One (1) light located over each rear wheel well.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

One (1) Center Front Warning Light: Whelen 900, (Super LED). The LED shall be CLEAR in color. The lens shall be CLEAR in color.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

Two (2) Front Warning Lights: Whelen 900, (Super LED). The LED shall be RED in color. The lens shall be CLEAR in color.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

Four (4) Side Warning Lights: Whelen 900, (Super LED). The LED shall be RED in color. The lens shall be CLEAR in color.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

Two (2) Rear Warning Lights: Whelen 900, (Super LED). The LED shall be RED in color. The lens shall be CLEAR in color. One (1) light located in each rear upper outer corner.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

Two (2) Rear Warning Lights: Whelen 700, (Super LED). The LED shall be RED in color. The lens shall be CLEAR in color. One (1) light located over each rear load light.  
Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

One (1) Rear Center Warning Light: Whelen 700, (Super LED). The LED shall be AMBER in color. The lens shall be CLEAR in color.  
Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**BATTERY SWITCH:** Paddle style battery switch, located at the side of the driver's seat base, powers up and shuts down the CONVERSION only. Per Ford QVM none of the chassis functions shall be affected. Additionally, an indicator light shall illuminate on the cab console panel when the switch is placed in the "ON" position. The light shall meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.  
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 rearview mirror color monitor that is mounted within clear view of the driver. The monitor shall be connected to a camera mounted on the rear of ambulance body 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 a 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\_\_\_\_\_

**CAB CONSOLE:** Front console will be molded, one piece that is color coordinated to the cab interior. The console shall allow sufficient space for the installation of the front control panel(s), siren control head(s), warning and/or indicator lights and mobile radio control head(s). The Ford auxiliary power control module shall be installed on the driver's side of the console. A triple notebook slot, with removable dividers shall be included in the cab console area.  
Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**SWITCH PANEL, CAB CONSOLE:** A front console shall be installed to house the switching panel and radio installation. The console shall contain all required switching and accommodate additional spare switches. The switch console shall be easily serviced through an access panel.  
Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**LOW VOLTAGE INDICATOR:** There will be an amber indicator light, with buzzer located in the cab console to illuminate if the vehicle voltage drops.  
Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**DOOR AJAR INDICATOR LIGHT:** A back lighted "Door Ajar" light shall be engraved in the cab console's main switch panel. The light shall meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.  
Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**ELECTRONIC SIREN:** A Whelen WS295SLSA7 Siren, with dual amplifiers. Siren head shall be mounted in center console. A switch shall select horn ring output to horn or siren. The switch shall be located in the cab console's switch panel. The switch legend that clearly defines the switch function shall be engraved in the switch panel. The legend shall be illuminated when the head light switch is on.  
Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**BACK UP ALARM:** The vehicle shall include a 97 to 107 decibel back up alarm, activated by shifting into reverse. The back up alarm shall not include a cut off switch to silence the alarm.  
Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**GROUND STRAPS:** One (1) 7/8" wide by 1/8" thick fine strand woven strap shall provide a ground path from the body to the chassis frame. Woven strap filters out RFI noise originating from alternators, strobe power supplies and other devices that may find their way into intercom, stereo and communication radios. Conventional ground cable is not acceptable. Each end of the ground strap shall be through bolted with 3/8" diameter, grade 8, hex head bolts and lock nuts. An internal thread star washer shall be installed between each terminal lug and the grounding surface. Each connection site shall be cleaned to the bare metal prior to fastening the strap. The connections shall have a dielectric anti corrosion spray applied.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**12 VOLT POWER INVERTER:** A highly reliable electronic power conversion unit that utilizes power semiconductors and a microprocessor controller shall be supplied, installed and wired. The device shall be certified by Underwriters laboratories, and meet or exceed the current Federal G.S.A. KKK-A-1822 specifications, with built-in Battery Charger.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**12 VDC POWER SOURCE FOR PORTABLE EQUIPMENT:** Positive and Negative polarity fourteen gauge wires shall be supplied and installed for subsequent storage of portable equipment.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**POWER SOURCE FOR COMMUNICATION RADIO(S):** Positive and Negative polarity ten gauge wires shall be supplied and installed for subsequent installation of communications radio(s). The wires shall be barreled off and protected by a thirty (30) ampere automatic reset circuit breaker. Radio 1 located in Cab center console, and Radio 2 located in Action Area.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**COMMUNICATIONS PORTABLE RADIO CHARGER:** There shall be a total of one (1) drop in vehicle charger recess mounted in the center console. Charger shall be wired to battery, with a charge guard set for 30 minutes.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

#### **115 VOLT AC - SHORE-LINE SYSTEM**

**SHORE LINE INLET No 1:** The primary 115 Volt shoreline inlet, rated at 20 Amperes shall be supplied. The inlet shall automatically eject the shoreline connector when the vehicle ignition switch is placed in the START position. The inlet shall be protected with a weatherproof cover.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**BLOCK HEATER WIRING:** The Block heater shall be wired to the shoreline. A 20 ampere, 115 volt switch shall enable/disable the block heater with the change of seasons. The switch shall be easily accessible but not accessible to the driver during vehicle operation.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**SHORE LINE INLET No 2:** A second 115 Volt shore line inlet, rated at 20 Amperes shall be supplied. The inlet shall automatically eject the shore line connector when the vehicle ignition switch is placed in the START position. The inlet shall be protected with a weatherproof cover.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

#### **INTERIOR 125 Volt Alternating Current (AC) OUTLETS:**

**115 VOLT AC OUTLETS:** The following outlets shall be UL listed, 125 Volt, Hospital grade.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

#### **115 VAC OUTLET No. 1:**

**OUTLET LOCATION:** Located in the chassis cab behind the passenger seat.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

#### **115 Volt AC OUTLET No. 2:**

**OUTLET LOCATION:** Located in the chassis cab behind the driver's seat

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**115 Volt AC OUTLET No. 3, and No. 4,**

OUTLET LOCATION: Located in the patient cabin.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**LAPTOP 115V POWER:** There shall be a 16 gauge 115VAC pre-wire run to a "T" box located in the cabinet on the bulkhead from the inverter cabinet for power for a customer installed laptop computer. There shall be a blank cover on the "T" box so the customer can make connection after delivery.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**INTERIOR 12 Volt Direct Current (DC) OUTLETS:**

**12 VOLT OUTLET No 1:** This outlet shall be a, 12 volt, direct current, 20 Ampere, automotive "cigar" lighter size commercial outlet. This outlet shall be wired to meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.

OUTLET LOCATION: This 12 Volt outlet shall be located in the patient cabin's main "Action Area" panel.

POWER SOURCE: The input for the aforementioned outlet shall be wired to the output of the MAIN CONVERSION power switch.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**12 VOLT OUTLET No 2:** This outlet shall be a, 12 volt, direct current, 20 Ampere, automotive "cigar" lighter size commercial outlet. This outlet shall be wired to meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.

OUTLET LOCATION: This 12 Volt outlet shall be located in the patient cabin's main "Action Area" panel.

POWER SOURCE: The input for the aforementioned outlet shall be wired exactly like outlet Number One.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**ATTENDANT SEAT:** The attendant seat shall be a steel framed, high back bucket style captain's chair. The upholstery shall be seamless and vacuum formed. The seat shall be equipped with a 3-point seat belt harness assembly. The seat shall be equipped with a child car seat.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**ATTENDANT SEAT BASE:** The seat base shall be a constructed steel assembly provided by the seat manufacturer and certified for use with the seat assembly. Side access to the space under the attendant seat shall face the CS access door.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**PARTITION DOOR:** The driver's cabin shall be closed off from the patient cabin with a sliding partition door. The partition sliding door panel shall be installed with a fixed Lexan window. The door shall be installed utilizing extruded aluminum track, top and bottom. Latch access from driver's cabin only.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**LEFT FRONT CABINET:** The cabinet, with adjustable shelf, shall be positioned in the left front corner of the patient cabin, behind the driver's seat and forward of the attendant's seat. The cabinet shall be fitted with an overlay type door. The door shall be hinged along the RIGHT edge of the door.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**RIGHT FRONT A.L.S. CABINET:** This cabinet shall be positioned in the right front corner of the patient cabin. The right front ALS cabinet shall accommodate several levels of storage capacity. The storage shelf levels shall be instantly accessible through the CS door and patient cabin. A cargo net shall be mounted to the front part of the upper stowage areas of the RF cabinet A strap shall be mounted to the aisle side of the right front cabinet. The bottom cabinet shall be enclosed with a bottom-hinged door, accessible through the patient cabin only.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**RIGHT REAR CABINET:** This cabinet shall be positioned in the right rear corner of the vehicle to permit oxygen cylinder changes through the rear access doors without the installer entering the patient cabin. The cabinet shall accommodate one "M" sized, oxygen cylinder. The cabinet shall be vented to the outside of the vehicle and meet or exceed the current Federal G.S.A. KKK-A-1822 specifications. A forward facing oxygen-viewing window shall be aligned with the cylinder valve and regulator.

Bidder Complies YES \_\_\_\_\_ NO \_\_\_\_\_

**CABINET:** An interior cabinet shall be provided directly over the rearward section of the Base wall cabinet within the UPPER most cabinet.

Bidder Complies YES \_\_\_\_\_ NO \_\_\_\_\_

**CABINET:** An interior cabinet shall be provided directly over the Action Area section of the Base wall cabinet within the UPPER most cabinet.

Bidder Complies YES \_\_\_\_\_ NO \_\_\_\_\_

**CABINET:** An interior cabinet shall be provided in the upper mid-section of the base wall cabinet on the streetside.

Bidder Complies YES \_\_\_\_\_ NO \_\_\_\_\_

**CABINET:** An interior cabinet shall be provided in the lower mid-section of the base wall cabinet on the streetside.

Bidder Complies YES \_\_\_\_\_ NO \_\_\_\_\_

**ACTION AREA:** An interior area shall be provided in the forward most mid height-section of the base wall cabinet. In addition to the overhead lighting, a 12 volt DC incandescent light with integral switch shall be provided in the attendant's work or "action" area.

Bidder Complies YES \_\_\_\_\_ NO \_\_\_\_\_

**SQUAD BENCH:** A three-seat squad bench shall be installed. The squad Bench shall meet or exceed the current Federal G.S.A. KKK-A-1822 specifications. A squad bench lid(s) shall be supplied over the squad bench storage area. The lid shall be equipped with a locking device to secure, and preventing accidental opening during a rollover. There shall be a minimum backboard storage area with a clear dimension of 8" wide x 17-1/4" tall. The opening of the vertical backboard storage slot shall have heavy-duty stainless steel trim.

Bidder Complies YES \_\_\_\_\_ NO \_\_\_\_\_

**SQUAD BENCH SEAT CUSHIONS:** The seat cushions on the squad bench shall be vacuum formed and seamless.

Bidder Complies YES \_\_\_\_\_ NO \_\_\_\_\_

**CURBSIDE SEATING AND BELTING:** The Squad Bench shall include one (1) 6-point restraint system, and two (2) 2-point restraints. There shall also be three (3) female seat belt ends secured the metal bracing on the inside of the squad bench face to allow for securing a secondary patient to the top of the squad bench. The bracket shall be specifically designed to transfer loads originating from the secondary patient.

Bidder Complies YES \_\_\_\_\_ NO \_\_\_\_\_

**PORTABLE CYLINDER BRACKET:** A crash worthy aluminum box shall be supplied and installed. The box shall be open on one end and shall fit a "D" size customer supplied cylinder. There shall be a retention system built in with a spring-loaded release that is installed so it is user friendly to operate. The rack shall be through bolted to reinforced, structural members or brackets that tie in directly to structure within the ambulance.

Bidder Complies YES \_\_\_\_\_ NO \_\_\_\_\_

**FIRE EXTINGUISHER:** There shall be an ABS recessed streetside just inside the rear doors with a steel welded brace for through bolting the standard 5 pound fire extinguisher so it has easy access from the rear door area. One (1) 5 pound fire extinguisher shall be installed.

Bidder Complies YES \_\_\_\_\_ NO \_\_\_\_\_

**FIRE EXTINGUISHER:** One (1) standard 5 pound fire extinguisher shall be installed in cab area.  
Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**RESTRAINT NET:** A restraint net shall be installed from floor to ceiling at the head of the squad bench. The net shall be secured at seven points. All points must be secured to steel braces welded van body structure. The net shall be tightly stretched and attached to the following surfaces:

One point on the ambulance floor on the aisle side of the squad bench.

One point at the top of the squad bench near the curb side wall.

Two points at the curb side wall, near the side entry door.

Three points in the ceiling.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**STAIRCHAIR STORAGE AREA:** An interior area shall be provided in the rear most mid height-section of the base wall cabinet on the streetside. One 2" wide webbed strap, vertically oriented shall be installed over the opening.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**FLOOR COVERING:** The floor substrate shall be free of dents, voids and moisture prior to application of the floor covering. The floor covering shall be one piece through out the patient cabin. The flooring material shall be commercial grade sheet vinyl floor with diamond plate like impression on the surface. The floor covering shall be Lonseal Lonplate II.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**REAR THRESHOLD:** The rear threshold shall be a formed 4" Aluminum trim piece with a beveled rear edge to facilitate loading and a floor plate to protect the floor. The threshold shall be finished with yellow & black non-skid tape.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

#### **OXYGEN, AIR and VACUUM SYSTEMS**

**OXYGEN OUTLET No 1:** This outlet latch shall be designed to accept Ohmeda (Ohio) style, quarter turn / quick release adapters. LOCATION: The Oxygen outlet shall be located in the primary action area switch and outlet console.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**OXYGEN OUTLET No 2:** This outlet latch shall be designed to accept Ohmeda (Ohio) style, quarter turn / quick release adapters. LOCATION: The Oxygen outlet shall be located in the primary action area switch and outlet console.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**OXYGEN OUTLET No 3:** This outlet latch shall be designed to accept Ohmeda (Ohio) style, quarter turn / quick release adapters. LOCATION: The Oxygen outlet shall be located high in curb side wall, over the squad bench and near the curbside entry door.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**OXYGEN OUTLET No 4:** This outlet latch shall be designed to accept Ohmeda (Ohio) style, quarter turn / quick release adapters. LOCATION: The Oxygen outlet shall be located in ceiling panel over the primary patients' head/chest area.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**VACUUM SYSTEM:** A variable SSCOR vacuum regulator and gauge panel shall be installed in the action area control panel. The vacuum regulator shall vary vacuum delivered to a 1200 cubic-centimeter collection jar. The Vacuum gauge shall not be mounted on the collection jar itself.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**SUCTION PUMP:** The suction pump shall be installed in the space under the action area. The pump shall provide a free air flow of at least 20 liters per minute and achieve a minimum of 300mm (11.81 in) Hg vacuum within four seconds after the suction tube is closed.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**AED STORAGE AREA:** Located in the area between the inner and outer skin of the trailing curbside entry door to the patient area, install a recessed powder coated aluminum pan, with usable space of 13" Wide x 13" High x maximum depth. Install a base with a lip to allow the customer to store an AED. This agency will need approx. 5" Depth.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**DOOR PANELS:** The Leading Curbside Door is to have an ABS, recessed pocket like the one in the rear, there is to be a cover over pocket fabricated of Stainless Steel. Trailing C/S entry door will have a recessed metal pocket with a tray and a lip for AED Storage. All Patient Compartment Doors to have Recessed Storage and Stainless ILOS diamond plate.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**PATIENT AREA INTERIOR HANDLES:** Black rubber coated spring steel handles shall be through bolted to the interior door surface on the interior of each of the four patient entry doors under the window.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**REAR BUMPER:** The Rear Bumper shall include a stepping area that shall comply with the requirement of stepping height and cot loading requirements.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**REAR BUMPER TRANSITION STEP:** Secured the rear chassis frame with a minimum of four (4) grade 8 bolts and nuts and constructed of extruded, formed and welded steel shall be a formed aluminum diamond plate step that has a skid resistant pattern punched from the bottom side.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**PATIENT AREA MASTER SWITCH:** A second master switch for the patient area power shall be located in the patient area switch panel in addition to the switch located in the cab console.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**PATIENT CABIN VENTILATION:** A power exhaust ventilation blower shall be installed at the rear of the vehicle in a location as high as possible. The exhaust blower used shall move air at a free flow rate of two hundred thirty cubic feet per minute. Control for this fan shall be located in the patient area switch panel located in the action area.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**COT MOUNT:** A Ferno-Washington manufactured PRO-FLEXX 35-P cot mount shall be installed for a stretcher supplied by the agency.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**BIOWASTE SYSTEM:** The vehicle shall include a biowaste system in patient area.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**REFLECTOR PACKAGE:** One (1) red/white combination DOT grade reflective design shall be supplied and installed on the inside of each patient entry door inner panel. The material shall measure at least 60 square inches and meet or exceed the current Federal G.S.A. KKK-A-1822 specifications.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**UPHOLSTERY MATERIAL:** All padding and upholstered seating shall be covered in 36 ounce vacuum formable vinyl to eliminate visible seams.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**GLOVE HOLDERS:** 4 glove holders shall be installed.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**ANTI-THEFT DEVICE:** The vehicle shall be equipped with an Anti-Theft Device that allows removal of the ignition key while the vehicle is running. The vehicle will automatically shut off when the brakes are engaged without the key in the ignition.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**VEHICLE MAINTENANCE/SERVICE/REPAIR:** Vehicle maintenance, vehicle service, and vehicle repairs shall be completed within a 20-mile radius of the Purchaser's location.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**PAINT SCHEME AND LETTERING**

**MAIN BODY COLOR:** The main body color shall be white.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**TOP COLOR:** The color on the extended fiberglass top shall be molded into the top with Gel coat. The color shall be white.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**CUSTOM LETTERING AND PAINT LAYOUT:** The lettering and paint shall duplicate the Stratford Emergency Medical Service "Stars and Stripes" logo, lettering, layout, and colors, on our 2009 Type II ambulance. The DOT package and 32" Roof Star of Life, blue/white reflective, and two (2) etched-looking Star of Life decals for the rear, door windows shall be included.

Bidder Complies YES\_\_\_\_\_ NO\_\_\_\_\_

**TOWN OF STRATFORD  
BID SHEET**

BID # 2010-009 DESCRIPTION: Type-II Ambulance

Price for Type-II Ambulance:                    \$ \_\_\_\_\_

You must provide a detailed description including specifications of everything that is included in the bid.

All exceptions and alternate options must be noted and described in detail.

Delivery: \_\_\_\_\_ days after receipt of order

References in at least three other municipalities:  
(include contact name and phone)

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Bidder's Name : \_\_\_\_\_

Address : \_\_\_\_\_

\_\_\_\_\_

Phone : \_\_\_\_\_ Date : \_\_\_\_\_

Authorized Signature : \_\_\_\_\_

Printed Name : \_\_\_\_\_

Title : \_\_\_\_\_