



**AGENDA
CITY OF HARRISONVILLE
PUBLIC SAFETY COMMITTEE
REGULAR MEETING
CITY HALL
JUNE 16, 2014
6:00 PM**

- 1. Call to Order**
 - A. Present**
- 2. Approve Minutes**
 - A. Public Safety Committee - Regular Meeting - Apr 14, 2014 6:00 PM**
- 3. Agenda Items**
 - A. ROW Solicitation Ordinance Amendment**
 - B. Urban Chicken Keeping Ordinance**
 - C. Type II Ambulance Specifications**
- 4. General Discussion**
 - A. Discussion on Old Police Building**
- 5. Adjournment**

This meeting will be open to the public.

Posted on City Hall Bulletin Board this day of

Kim Hubbard, City Clerk



DRAFT
MINUTES
CITY OF HARRISONVILLE
PUBLIC SAFETY COMMITTEE
REGULAR MEETING
CITY HALL
APRIL 14, 2014
6:00 PM

1. Call to Order

The meeting was called to order at 6:00 PM by Chair Bret Reece

A. Present

Members present: Alderman/Chair Bret Reece, Aldermen Doug Meyer and David Dickerson and Mayor Wood.

Others present: Finance Director Mike Tholen, Community Development Director Rick DeLuca, Police Chief John Hofer, City Clerk Kim Hubbard, Public Information Officer Sheryl Stanley, EMS Director Larry Francis, and Building Official Kip Thomas.

2. Approve Minutes

A. Public Safety Committee - Regular Meeting - Mar 3, 2014 6:00 PM - Accepted

Minutes were approved.

RESULT:	ACCEPTED [UNANIMOUS]
MOVER:	Kevin Wood, Member
SECONDER:	David Dickerson, Member
AYES:	Kevin Wood, Doug Meyer, David Dickerson, Bret Reece
ABSENT:	Stacey Dahlman, Marcia Milner

3. Agenda Items

A. Request for Bee Hives in Residential Area -

City Clerk Hubbard reviewed the request to maintain bee hives at the Frees residence.

Ms. Frees explained where the hives would be located on their property, that they have checked with their neighbors and there is no opposition, and stated bees are quite docile.

Alderman Dickerson made the motion to recommend to the Board for approval.

There was discussion that there was no code to prevent a resident from keeping bee hives inside city limits and that this did not need to go before the Board for approval.

Alderman Dickerson withdrew his motion.

There was no opposition from the committee.

B. Rental Property Safety and Inspections -

Director Tholen reviewed that this item had been brought forward by a resident at the last Board meeting and referenced the attached material of practices from other cities.

Building Official Kip Thomas reported the City does not inspect rental property when occupants move out, reviewed the processes of other entities and noted some municipality's have a property maintenance standards ordinance in place that is applicable to rental property.

Director Tholen reminded the committee that property maintenance standards were developed about ten (10) years ago and when the City tried to apply the adopted standards there was push back and that the Codes Department was now complaint driven. It was also noted the City would need to have additional staff if the department was to apply property maintenance standards.

Alderman Dickerson noted that renters have the option to move if they don't like where they live or don't like the landlord.

Mr. Thomas explained there has been a complaint regarding a rental property and that there is a structural issue with one wall that is being addressed.

No action was taken.

C. Update to Bath Salt Ordinance - Recommended for Board Approval

Chief Hofer reviewed the proposed changes to the Bath Salt Ordinance requested by Prosecutor Cambiano. Chief Hofer reviewed the five (5) proposed changes and how the changes would increase the effectiveness of prosecution.

It was staff's recommendation to forward to the Board for approval.

RESULT:	RECOMMENDED FOR BOARD APPROVAL [UNANIMOUS]
MOVER:	Kevin Wood, Member
SECONDER:	Doug Meyer, Member
AYES:	Kevin Wood, Doug Meyer, David Dickerson, Bret Reece
ABSENT:	Stacey Dahlman, Marcia Milner

D. VIPS Program Discussion -

Chief Hofer shared his interest in starting a VIPS (Volunteers in Police Services) Program and that the volunteers could assist with parade security, vehicle lockouts, patrol handicap parking, parks patrol, traffic studies, vacationing house watches amongst other items. Chief Hofer reported he had been contacted by new resident, Judy Bowman who expressed her interest in volunteering and that she had previously volunteered with the Kansas City Police Department.

Chief Hofer stated he has been in contact with former Public Works Director Bob Surber who has agreed to assist Ms. Bowman with the start up of the volunteer program. Chief Hofer asked for the support of the Public Safety Committee for the volunteer program and that he would make the announcement during the Chamber Luncheon which would be hosted at the new police facility.

Mayor Wood made the motion for the Public Safety Committee to support the VIPS Program. Alderman Dickerson seconded the motion and it was approved by a voice vote.

Minutes Acceptance: Minutes of Apr 14, 2014 6:00 PM (Approve Minutes)

E. 2014 Patrol Vehicle Purchase - Recommended for Board Approval

Chief Hofer reviewed the request to purchase three (3) new police vehicles, one sedan and two SUV's.

RESULT:	RECOMMENDED FOR BOARD APPROVAL [UNANIMOUS]
MOVER:	Kevin Wood, Member
SECONDER:	Doug Meyer, Member
AYES:	Kevin Wood, Doug Meyer, David Dickerson, Bret Reece
ABSENT:	Stacey Dahlman, Marcia Milner

4. General Discussion

Alderman Dickerson inquired about the old police station and if it would be possible to use it for a city jail once everyone had moved to the new facility. Discussion took place that due to the cost it would not be practical

5. Adjournment

The meeting was closed at 6:42 PM

Mayor Wood moved to adjourn the meeting. Alderman Dickerson seconded the motion and it was approved. The meeting was adjourned.

Submitted by

Kim Hubbard, City Clerk



STAFF REPORT

TO: Public Safety Committee
FROM: John Hofer, Director
DATE: June 10, 2014
SUBJECT: ROW Solicitation Ordinance Amendment

Type of Item: *Amendment*

Type of Item: *Action Item*

Issue: Recently the Walmart DC submitted a ROW permit application for a fundraiser to benefit the Children's Miracle Network that was denied by the BOA at the May 19, 2014 meeting. During that meeting there was discussion on removing the ordinance that allows for this type of fundraising within the City of Harrisonville.

Background: City Ordinance permits ROW solicitation at three specific intersections, Commercial and Hwy 291, Commercial and Wall and Commercial and Locust with Board of Aldermen approval. In the past, we would receive annual solicitation permit requests from the Harrisonville Fire Department (MDA Boot Block Fundraiser), the Harrisonville Rotary (Rotary Day Fundraiser), and the Civil Air Patrol (Civil Air Patrol Fundraiser). In 2007 the Board of Aldermen modified ordinance, 300.030 due to numerous safety concerns with this type of solicitation. City Ordinance mandates the use of safety vests (Ansi certified) for all solicitors and limits the number of solicitors to eight (8) per intersection along with required signage and postings in local newspapers. The most recent approved event was in 2009 by the Civil Air Patrol. Due to numerous safety concerns with this type of fundraising staff would like to have this ordinance removed. A copy of the changes to the current ordinance (300.030) is attached.

Recommendation: Staff is recommending approval for the amendment of this ordinance.

A. Action Item (ID # 1433)

ROW Solicitation Ordinance Amendment

Attachments:

ROW Ordinance Removal (PDF)

Chapter 300. General Provisions

Section 300.030. Selling Merchandise, Distributing Literature, Soliciting Money On Portion of Streets Traveled By Vehicular Traffic.

[CC 1977 §33-9; Ord. No. 2804 §1(33-9), 1-20-2003; Ord. No. 3022 §§1 — 2, 1-21-2008]

A. No person shall stand upon that portion of the public streets of the City of Harrisonville on which there is vehicular traffic for the purpose of selling merchandise, distribution of literature or the solicitation of funds ~~unless a right-of-way solicitation permit has been obtained from the Board of Aldermen.~~

~~B. A person seeking the issuance of a right-of-way solicitation permit shall file an application with the City Clerk on forms provided by the City.~~

~~C. An application for a right-of-way solicitation permit shall be filed not less than seven (7) days prior to the meeting of the Board of Aldermen at the time the applicant requests to be heard. Such meeting shall be at least two (2) weeks prior to the proposed date(s) of the solicitation event.~~

~~D. The Board of Aldermen may issue a permit as provided for hereunder when they find that:~~

- ~~1. The solicitation will not substantially interrupt the safe and orderly movement of traffic.~~
- ~~2. The solicitation will not require the diversion of City resources as to prevent the normal provision of City services.~~
- ~~3. The solicitation event will not reasonably be likely to cause injury, damage property, provoke disorderly conduct or create a disturbance.~~
- ~~4. The solicitation is not to be held for the sole purpose of advertising any product, goods or event and is not designed to be held purely for private profit.~~
- ~~5. The solicitation is to be conducted by not-for-profit groups based in Harrisonville.~~
- ~~6. The solicitation may only be conducted at Highway 291 and Commercial, Commercial and Mechanic and/or Commercial and Locust.~~
- ~~7. The group/individual applying for the permit has performed no more than four (4) solicitation events within any given calendar year.~~

~~E. As a condition of the issuance of a right-of-way solicitation permit, the applicant shall:~~

- ~~1. Provide proof of liability insurance of at least one million dollars (\$1,000,000.00) for the event and name the City of Harrisonville as additionally insured prior to the solicitation event.~~
- ~~2. Establish temporary signage along the applicable roadways announcing the solicitation immediately prior to starting the solicitation event. Said signage shall be placed approximately two hundred (200) feet on each side of the solicitor(s) and all signs shall be removed immediately after the solicitation is completed. Said signage shall be four (4) square feet in size and visible to oncoming traffic.~~
- ~~3. Advertise the solicitation event in a paper of general circulation in the City a minimum of seven (7) days prior to the event. Said advertisement shall outline the location(s), time(s), purpose and organization conducting the solicitation event.~~
- ~~4. Only solicit during daylight hours between the months of April and October.~~
- ~~5. Ensure that all solicitors are seventeen (17) years of age or older.~~
- ~~6. Limit the number of solicitors to eight (8) per intersection.~~
- ~~7. Ensure that all solicitors are wearing a safety vest meeting ANSI/ISEA (American National Safety Standard and International Safety Equipment Standard) I07-2004 standards (Class 2).~~



STAFF REPORT

TO: Public Safety Committee
FROM: John Hofer, Director
DATE: June 9, 2014
SUBJECT: Urban Chicken Keeping Ordinance

Type of Item: *Amendment*

Issue: In February of 2012 Director Rauscher proposed to amend Chapter 210, Animal Regulations, to allow chickens in an urban setting under specific limitations.

Background: The proposed amendment to the ordinance first went before the Board of Aldermen on March 19, 2012 and was sent back to staff for revisions. On April 2, 2012 the ordinance was presented again to the Board of Aldermen with the requested revisions and the proposed ordinance did not pass.

At a recent Board of Aldermen meeting Alderman Reece requested that the urban chicken keeping ordinance be revisited. Staff has amended Chapter 210, Animal Regulations, to allow chickens in an urban setting under specific limitation. The proposed ordinance repeals the term “chickens” from the existing keeping regulations in Section 210.190 and 210.200, and establishes an entire new Section 210.265 through 210.269, drafted just for chicken keeping. Requests by residents for keeping chickens may now be handled administratively without the need to get a permit from the Board of Aldermen.

Recommendation: Staff is recommending approval for this amended ordinance.

B. Action Item (ID # 1432)

Urban Chicken Keeping Ordinance

Attachments:

Chicken Keeping Ordinance 2014 (DOC)

COUNCIL BILL 010

ORDINANCE NO. 000 (00-12)

AN ORDINANCE AMENDING CHAPTER 210, ANIMAL REGULATIONS, AND ENACTING A NEW SECTION 210.265, KEEPING OF CHICKENS, OF THE CODE OF ORDINANCES OF THE CITY OF HARRISONVILLE, MISSOURI.

WHEREAS the City of Harrisonville Board of Alderman desire to provide minimum standards to safeguard health, property, property values and public welfare by regulating and controlling the keeping of chickens in an urban environment.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF ALDERMAN OF THE CITY OF HARRISONVILLE, MISSOURI, AS FOLLOWS:

Section 1: That Section 210.190 of the Code of Ordinances of the City of Harrisonville, Missouri shall be amended to read as follows:

Delete: “including chickens” from the first paragraph.

Section 2: That Section 210.200 of the Code of Ordinances of the City of Harrisonville, Missouri shall be amended to read as follows:

Delete: “or chickens” from the first sentence.

Section 3: That a new Section 210.265, 210.266, 210.267, 210.268, and 210.269 is enacted to read as follows:

SECTION 210.265: KEEPING OF CHICKENS

(a) The maximum number of chickens allowed is six (6) per tract of land regardless of how many dwelling units are on the tract. Chickens shall be allowed in the rear yard only.

(b) Only female chickens are allowed. There is no restriction on chicken species. Roosters are prohibited.

(c) It shall be unlawful to engage in chicken breeding or fertilizer production for commercial purposes.

(d) The chicken owner is required to get written consent from all property owners and/or residents whose property is contiguous with the chicken owner's property.

Provided the chicken owner fails to receive written consent from all property owners and residents, the chicken owner may request an appeal before the Board of Alderman.

SECTION 210.266: ENCLOSURES

- (a) Chickens must be kept in an enclosure or fenced area in the rear yard only at all times. Chickens shall be secured within a henhouse or chicken tractor during non-daylight hours.
- (b) Enclosures must be kept in a clean, dry, odor-free, neat and sanitary condition at all times.
- (c) Henhouses, chicken tractors and chicken pens must provide adequate ventilation and adequate sun and shade and must be impermeable to rodents, wild birds and predators, including dogs and cats.
- (d) Henhouses, chicken tractors and chicken pens.
 - (1) Henhouses and chicken tractors shall be designed to provide safe and healthy living conditions for the chickens while minimizing adverse impacts to other residents in the neighborhood.
 - a. A henhouse or chicken tractor shall be enclosed on all sides and shall have a roof and doors. Access doors must be able to be shut and locked at night. Opening windows and vents must be covered with predator and bird proof wire of less than (1) inch openings.
 - b. The materials used in making a henhouse or chicken tractor shall be uniform for each element of the structure such that walls are made of the same material, the roof has the same shingles or other covering, and any windows or openings are constructed using the same materials. The use of scrap, waste board, sheet metal, or similar materials is prohibited. Henhouses and chicken tractors shall be well maintained.
 - c. Chicken henhouses, chicken tractors and chicken pens shall only be located in the rear yard.
 - d. Henhouses, chicken tractors and chicken pens must be located at least ten (10) feet from the property line and at least twenty-five (25) feet from any adjacent residential dwelling, church, school, or place of business.

SECTION 210.267: ODORS AND NOISE IMPACTS, PREDATORS, RODENTS, INSECTS AND PARASITES.

- (a) Odors from chickens, chicken manure or other chicken related substances shall not be perceptible at the property boundaries.
- (b) Perceptible noise from chickens shall not be loud enough at the property boundaries to disturb persons of reasonable sensitivity.
- (c) The chicken owner shall take necessary action to reduce the attraction of predators and rodents and the potential infestation of insects and

parasites. Chickens found to be infested with insects and parasites that may result in unhealthy conditions to human habitation may be removed by an Animal Control Officer.

SECTION 210.268: FEED, WATER, WASTE AND REMOVAL

- (a) Chickens shall be provided with access to feed and clean water at all times. The feed and water shall be unavailable to rodents, wild birds, and predators.
- (b) The chicken owner must provide for the storage and removal of chicken manure. All stored manure shall be covered by a fully enclosed structure with a roof or lid over the entire structure. No more than three (3) cubic feet of manure shall be stored. All other manure not used for composting or fertilizing shall be removed. The henhouse, chicken tractor, chicken pen and surrounding area must be kept free from trash and accumulated droppings. Uneaten feed shall be removed in a timely manner.

SECTION 210.269: CHICKENS AT LARGE, UNLAWFUL ACTS, NUISANCES, CONTINUING VIOLATIONS.

- (a) No dog or cat which kills a chicken will, for that reason alone, be considered a dangerous or aggressive animal.
- (b) It shall be unlawful for any person to keep chickens in violation of any provision of this article.
- (c) It shall be unlawful for any owner, renter or leaseholder of property to allow chickens to be kept on the property in violation of the provisions of this article.
- (d) Any violation of this article that constitutes a health hazard or that interferes with the use or enjoyment of neighboring property is a nuisance and may be abated under the general nuisance abatement provisions of Chapter 220.
- (e) Each day that a violation of this article continues is a separate offense.

Section 4: That Section 210.320: ISSUANCE OF TAG, is amended to read as follows:

Delete “may” in the second sentence and **Insert** “will”.

Section 5: That this order shall become effective upon its passage and approval.

Read one time by title on March 19, 2012, and the second time by title only on _____, and passed and approved by the Board of Alderman this 2nd day of April, 2012.

Kevin W. Wood, Mayor & Ex-Officio

Chairman of the Board of Alderman

ATTEST:

Kim Hubbard, City Clerk

APPROVED by the Mayor this 2nd day of April, 2012.

Attachment: Chicken Keeping Ordinance 2014 (1432 : Urban Chicken Keeping Ordinance)



STAFF REPORT

TO: Public Safety Committee
FROM: Larry Francis, Director
DATE: June 9, 2014
SUBJECT: Type II Ambulance Specifications

Type of Item: *Report*

Discussion Item:

The attached specifications are for a new Type II or van style ambulance. Type II Ambulances are basically designed the same throughout the ambulance industry. There is very little room for changes in the patient compartment area. The submitted specifications would best suit the department.

The ambulance chassis would be a 2014 or later Ford E-350 chassis with a V8 gasoline engine. The V8 gas engine Type II ambulances have a lower cost per mile for fuel than the diesel units, averaging 15 to 17 mpg which equates to a fuel cost per mile of \$.19 where our Type III diesel ambulances average \$.37/mile. Gas engines are proving to be less costly to maintain on a per mile basis than diesel as well. Departments with the gas units are planning for 250,000 to 300,000 miles before replacement and as recently as 2013 departments purchased E350 Type II ambulances with V8's for \$60,000 new. Assuming we get 250,000 miles out of a unit with a total purchase price of \$90,000 and fuel cost of \$.20 per mile over the life of the unit and maintenance costs per mile of \$.35/miles (or 75% of our maintenance cost per mile on the Type III ambulances) our total cost per mile of owning the Type II would be \$.91 compared to the \$1.43/mile we experience with the Type III's. That amounts to a conservative savings of \$130,000 over the life of the unit.

The ambulance manufacture would need to be determined by a bidding process. There are numerous manufacturers of Type II ambulances.

Background:

A plan was submitted to purchase a used Type II ambulance and equipment. The availability of good quality ambulances were not there. Several suppliers of new and used ambulances were not able to provide the stock of these ambulances.

An additional plan was discussed regarding the purchase of a new ambulance. The new Type II ambulance would replace one of the 2004 Type III ambulances as a front line unit and the 2004 ambulance would move to reserve status so the equipment could be moved to the new

ambulance. The Type II will be the primary unit for transfers out of CRMC and in the event that the three front line units require maintenance or repair the 2004 reserve ambulance will be put back into service.

The other component is the equipment. Even though most of the equipment can be moved to the Type II, some equipment would need to be purchased due to the change in ambulance type. The biggest expense would be the purchase of the patient transport cot. The safety holding bracket is different in a Type II than it is in the current Type III's that are in service.

If you have any questions please feel free to contact me.

C. Discussion Item (ID # 1427)

Type II Ambulance Specifications

Attachments:

Harrisonville Emergency Services Type II specification 2014 (2) (DOCX)

AMBULANCE SPECIFICATIONS

SCOPE, PURPOSE AND CLASSIFICATION

A1.0.1 Scope. This specification covers a new commercially produced surface emergency medical care vehicle, hereinafter referred to as ambulance or vehicle. A vehicle in compliance with this specification shall be defined as a standard ambulance. This vehicle shall be in accord with the Ambulance Design Criteria of the National Highway Traffic Administration, U.S. Department of Transportation, Washington, D.C. This bid specification is based on the Federal Ambulance Specification KKK-A-1822F. Reference numbers used in this specification refer to applicable paragraphs of that document.

A1.0.2 Purpose. The purpose of this document is to provide minimum specifications and test parameters for the manufacture of an emergency medical care vehicle that meets the needs and desires of this Agency. It establishes essential criteria for the design, performance, equipment and appearance of the vehicle. The object is to provide a vehicle that is in accordance with nationally recognized guidelines.

A1.0.3 Classification. This specification calls for the following type of vehicle. It is in accordance with paragraph 1.2.1 of KKK-A-1822F.

Type II - Commercial Van Chassis with Fiberglass Raised Roof
Class I - Two rear wheel driven (4x2)
Floor Plan A - Elevated cot and squad bench

A1.1 General. This is an engineer, design, construct and deliver type specification and it is not the intention of this Agency to write out vendor or manufacturers of similar or equal equipment of the types specified. It should be noted, however, that this specification is written around specific needs of this Agency. Because of this fact, price will not be the major consideration in making an award. Bid award shall be given to the vendor whose bid comes closest to meeting these specifications at the most competitive price.

A1.1.1 This Agency reserves the right to increase the equipment quantities that are specified by "Call To Bid" as well as those items specified under paragraph 8.2 of these specifications.

A1.1.2 Site(s) of Work. The vehicle and its equipment shall be delivered F.O.B. destination. Prices shall be quoted on a delivered, and accepted on a one-by-one basis. Vehicles manufactured outside the United States will not be considered.

A1.1.3 Examination of Specification. Each Bidder is required, before submitting his proposal, to be thoroughly familiar with the specifications contained herein. No additional allowances will be made because of a lack of knowledge of these conditions. It will be the responsibility of the successful Bidder to ascertain if any components of this specification are unsafe or do not meet the required standards of applicable state law or those of Federal Specification KKK-A-1822F. Should there be any unsafe or poorly designed criteria contained herein, the Bidder shall thoroughly explain them to the Purchaser in the Bid Proposal. Where the bidder does not do specifically what the specification calls for (No) shall be checked and a written explanation given whether the bidder feels it is equal to, or exceeds the bid. All exceptions will be evaluated on their merit at the purchasers' discretion.

A1.1.4 Definitions. The following definitions shall apply with regards to these specifications.

A1.1.4.1 Purchaser. The end user of the equipment specified or the applicable purchasing agency.

A1.1.4.2 Contractor. The individual, firm, partnership, manufacturer or corporation to whom the contract is awarded by the Purchaser and who is subject to the terms thereof. For bidding purposes the contractor, vendor and Bidder are synonymous.

A1.1.4.3 Equal. Shall be taken in its general sense and shall not mean identical. These specifications are for the sole purpose of establishing minimum requirements of level of quality, standards of performance and design and is in no way intended to prohibit the bidding of any manufacturer's item of equal material.

A1.1.4.4 Manufacturer. The first stage manufacturer is the original equipment manufacturer (O.E.M.) who built the specified chassis and its components. The second stage manufacturer is the company who will produce the modifications to the O.E.M. chassis and deliver the final product to this Agency.

A1.1.4.5 Note: The purchaser shall be the sole judge of equality and this decision shall be final.

SPECIAL CONDITIONS

A2.1 Bidder's Responsibility and Qualifications. The manufacturer of the equipment bid shall have in operation a factory adequate and devoted to the manufacture of the vehicle herein specified. The intent of this section is to ensure single source responsibility for all equipment proposed by the Bidder.

A2.1.2 It is not the intent of these specifications to call for an unusual or experimental vehicle. Such proposals are not acceptable. Therefore, as proof of the ability to manufacture vehicles of the type called for in these specifications the Bidder must be able to show that the second stage manufacturer of the vehicle bid has produced at least 500 vehicles of the type specified herein.

A2.1.3 If requested by the Purchaser, the Bidder shall supply upon request a list of fifty (50) agencies who have purchased similar or identical vehicles within the past year. This list will have contact names and phone numbers.

A2.1.4 Each Bidder shall disclose any pending or anticipated litigation between the Bidder and any other part or parties that might affect this contract.

A2.2 Prices and Payments. All bid prices shall be F.O.B. destination and accepted basis, at the Purchaser's specified location. These prices shall be complete and include warranty.

A2.2.1 Payment shall be made in accordance with these specifications and the Bid Proposal submitted by the Bidder. Payment will be made upon acceptance of the vehicle and equipment specified under these specifications.

A2.2.2 All bid prices and conditions must be specified on the Bid Proposal Form.

A2.2.3 Bid prices shall be valid for at least 60 days from the date of the Bid Opening, or as otherwise specified on the Bid Proposal Form.

A2.2.4 Full payment will be made as each unit is received, inspected and found to comply with procurement specifications, free of damage and properly invoiced. All invoices shall bear the purchaser order number. Payment will be made in accordance with the terms specified on the Bid Proposal Form.

A2.3 Bid Evaluation. Bids received shall be evaluated by the Purchaser. This evaluation will be based as a minimum on the following criteria:

A2.3.1 Completeness of the proposal; i.e., the degree to which it responds to all requirements and requests for information contained herein. Bidders are directed to pay particular attention in answering the "Yes or NO" response to below each paragraph contained within these specifications. If the bidder does not meet the specification exactly, a "no" response should be given. Exceptions will be judged by the purchaser. If this procedure is not followed the bid will be rejected as non-compliant.

A2.3.2 Manufacturing and Delivery schedule.

- A2.3.3 Contractor's demonstrated capabilities and qualifications.
- A2.3.4 Contractor's past performance on similar Bid Proposals.
- A2.3.5 Contractor's design and engineering reliability factors.
- A2.3.6 Contractor's maintainability considerations and recommendations.
- A2.3.7 Bidder's logistical and service support.
- A2.3.8 Bid Proposals taking total exception to these specifications will not be accepted.
- A2.3.9 This Agency seeks the highest level of quality assurance and liability protection. To insure that these standards are met, Federal Specification KKK-A-1822F and Ford Motor Company's "QVM" (Qualified Vehicle Modifier) program will be considered as the minimum acceptable guidelines.

These standards shall be applicable regardless of the first stage chassis manufacturer specified herein. The Bidder shall submit documentation that the second stage vehicle manufacturer is a current member of the Ford QVM program. **Bids not meeting this requirement cannot be accepted.**

A2.4 Contract Award. The Purchaser reserves the right to increase the number of vehicles or equipment specified under this contract. If awarded, the Bidder agrees that additional public governmental agencies may purchase under the same terms and prices afforded by any contract arising from the bid award.

A2.4.1 The Purchaser has the right to waive any informalities, irregularities and technicalities in procedure.

A2.4.2 The Purchaser reserves the right, before awarding this contract, to require a Bidder to submit evidence of the second stage manufacturer's qualifications as it may deem necessary, and may consider any evidence available to it of the financial, technical and other qualifications and abilities of said manufacturer, including past performance on contracts of this type with other agencies. The purchaser shall be the final authority in the award of this bid.

A2.5 Warranty. The successful manufacturer shall provide a 12-month/12,000 mile warranty on the vehicle to cover defective parts and/or components, the improper choice of materials, parts and/or components, improper design or engineering and poor or improper workmanship or quality control techniques. This warranty shall cover the complete vehicle and shall include any and all costs for labor and parts or materials that are required to correct any and all deficiencies. It is not the intent of this requirement that such items such as light bulbs, filters, tires, brake linings, windshield wiper blades, etc. are to be covered.

A2.5.1 The ambulance electrical system shall be covered by a limited **LIFETIME** warranty that will remain in effect for as long as the unit is owned by this Agency. The

electrical system warranty shall include, but not be limited to, defects in the vehicle wiring, connections, circuit breakers, relays, and circuit boards. Any component part such as the electronic siren, strobe warning lights and power supplies, etc. shall be covered by their own manufacturer's warranty and a copy of the major component warranties shall be included with the bid.

A2.6 Service. Bidders shall state below the location of the ambulance manufacturer's nearest service facility and parts depot to the Purchaser's location.

Address: _____

Phone: () _____

A2.6.1 Additional warranty or logistical services that the bidder might provide above and beyond the requirements of these specifications may be listed below. These may be used as per paragraph A2.3.7 as additional basis for a Contract Award.

A2.7. Warranties shall begin at the acceptance of the vehicle by the Purchaser.

A2.8 Materials and Workmanship. All equipment furnished shall be guaranteed to be new and of current manufacture, meet all requirements of this specification, and be in an operable condition at the time of delivery.

A2.8.1 All parts shall be of high quality workmanship, shall be in production at the time of bid, and no part or attachment shall be substituted or applied contrary to the manufacturer's recommendations and standard practices.

A2.8.2 All workmanship shall be of quality and performed in a professional manner so as to insure a safe and functional apparatus with an aesthetic appearance.

A2.9 Technical Information/Exceptions. Bidders must furnish all information requested in the space provided in this specification. In addition, Bidders shall supply at least two (2) complete sets of sketches, descriptive literature and complete specifications covering the vehicle offered. A copy of the purchasers specifications shall be returned with all sections responded to specifically where there is deviation from these specifications. Any area where these specifications are not met exactly will be marked with a "no" response. Bid Proposals not meeting this requirement will be rejected.

A2.9.1 The purchaser reserves the right to increase the number of vehicles ordered as well as additional equipment specified in paragraph 6.2.

Attachment: Harrisonville Emergency Services Type II specification 2014 (2) (1427 : Type II Ambulance Specifications)

A2.9.2 Bidders shall provide all necessary information requested by these specifications. Spaces shall be marked to indicate whether or not the Bidder complies with that paragraph. Any exceptions taken shall be listed individually. The Bidder, when listing exceptions or "clarifications", shall reference these specifications by the proper paragraph number.

NOTE: Bid Proposals failing to meet the requirements of A2.9.2 will not be considered.

A2.10 Delivery. Since delivery proposals by the Bidders will weigh heavily in the determination of award of bid, the delivery schedules that are submitted by the Bidders and agreed upon by the Purchaser shall automatically become binding upon the successful Bidder.

A2.11 Indemnification and Insurance. The contractor shall indemnify and save the Purchaser harmless from any and all claims, liability, losses, and causes of actions which may arise out of the fulfillment of this agreement. The Bidder shall pay all claims and losses of any nature whatsoever in connection therewith, and shall defend all suits, in the name of the Purchaser when applicable, and shall pay all costs and judgments which may ensue thereafter.

A2.11.1 Since these specifications describe an emergency vehicle that may be used under adverse conditions, this Agency seeks to reduce its future liability exposure; therefore, all Bidders responding to these specifications shall submit the proper Certificate of Insurance. This shall certify that the "second stage" manufacturer of the vehicle bid has in force product liability insurance in a minimum amount of eleven million dollars (\$11,000,000). This insurance shall be issued by Company rated "A" or better as reported in the current edition of Best's Key Rating Guide, published by Alfred M. Best Company, Inc.

A2.11.2 Bidders failing to submit proof of the above insurance requirements cannot be accepted and their Bid Proposal will be rejected.

A2.12 Patents and Royalties. The Bidder, without exception, shall indemnify and save harmless the Purchaser and its employees from liability of any kind including cost and expenses for or on account of any copyrighted, patented or unpatented invention, process or article of manufacture or used in the performance of the contract, including its use by the Purchaser. If the Bidder uses any design, device or materials covered by letters, patent or copyright, it is mutually agreed, and understood without exception that the bid prices shall include all royalties or cost arising from the use of such design, device or materials in any way involved in the work.

A2.13 Proposal in Reply to Specifications. Any exceptions to these specifications must be itemized. They shall be referenced by paragraph number and listed under section 10, paragraph 10.1 of this Bid Proposal. Should the Bidder require additional space for his reply, he may attach an additional page(s) into the response at that point.

Details concerning the exceptions or "clarifications" must be clearly explained. Each exception will be considered by the Purchaser as to the degree of impact and total effect on their bid. If specification sheets are referenced, they shall be included as part of the Bid Proposal.

A2.13.2 When submitting their Bid Proposal, Bidders must return all pages of these specifications as part of the Bid Proposal as it will form the contract between the Contractor

and the Purchaser. Caution should be taken by the Bidder that all questions are answered in the spaces provided and all information requested is submitted.

A2.14 Subcontracts. This Agency is extremely concerned with purchasing the vehicle from a manufacturer who can provide the necessary parts, service and warranty after the sale. With this in mind, the vehicle shall be constructed, with the exception of the chassis, by the Prime ("second stage" manufacturer) Contractor.

A2.14.1 This requirement applies to all major components of the vehicle. Major components would include items such as: the modular ambulance body, interior cabinets, electrical wiring harnesses, switch consoles, paint, fiberglass and other related items.

A2.14.2 This no subcontractor clause will apply to any type of subcontract, lease, rental or any other similar arrangement. The Bidder may be required by this Agency to prove compliance with this requirement. No exceptions will be allowed on this requirement since the Purchaser will not accept the aforementioned warranties (A2.5) from a fragmented source.

A2.15 Familiarity with Laws. The Bidder is presumed to be familiar with all Federal, State and Local laws, ordinance, code rules, and regulations that may in any way effect the work. Ignorance on the part of the Bidder shall in no way relieve him from responsibility.

A2.16 Pre-Award Clarifications. In the event a clarification is requested on the contents of this specification, the question shall be addressed in writing to:

Chief Larry Francis
Harrisonville Emergency Services
903 S. Commercial St.
Harrisonville, MO 64701
(816) 380-8925

A2.17 Pre-Construction Conference. The successful Contractor shall be required, prior to manufacturing, to have a Pre-Construction Conference at the Harrisonville Emergency Services headquarters facility at a time that is agreeable with Harrisonville Emergency Services staff.

A2.18 Performance Test and Requirements. The vehicle shall, at the time of delivery, conform to the minimum requirements of the latest standards covering vehicles of this type. This shall include Federal, State and Local requirements.

A2.19 Anti-Collusion Statement. By signing this bid, the Bidder agrees that his bid is made without any understanding, agreement or connection with any other person, firm or corporation making a bid for the same purpose and that his bid is in all respects fair and without collusion or fraud.

TECHNICAL REQUIREMENTS - VAN CHASSIS

3.1 General Vehicular Design, Types, and Floor plan. The ambulance and the allied equipment furnished under this specification shall be the manufacturer's current commercial vehicle of the type and class specified. The ambulance shall be complete with the operating accessories as specified herein; furnished with such modifications and attachments as may be necessary and specified to enable the vehicle to function reliably and efficiently in sustained operation. The design of the vehicle and the specified equipment shall permit accessibility for servicing, replacement and adjustment of component parts and accessories with minimum disturbance to other components and systems. The term "heavy-duty" as used to describe an item, shall mean in excess of the usual quantity, quality, or capacity that is normally supplied with the standard production vehicle or component.

Does your bid comply with this requirement? YES () NO ()

3.1.2 Ambulance shall be a TYPE II, Class I, and shall be a chassis furnished with a 2-door conventional cab. Chassis shall be suitable for subsequent mounting of a modular (containerized), transferable equipped ambulance body conforming to the requirements specified herein.

Does your bid comply with this requirement? YES () NO ()

3.1.3 Design of the vehicle shall utilize floor plan "A" loading arrangement of patients into the patient compartment. All litters shall be loaded into position with the heads of the patients forward in the vehicle.

Does your bid comply with this requirement? YES () NO ()

3.2 Vehicle Components, Equipment, and Accessories. The emergency medical care vehicle, chassis, ambulance body, equipment, devices, medical accessories and electronic equipment to be delivered under this contract shall be standard commercial products, tested and certified, to meet or exceed the requirements of this specification. The vehicle shall comply with all Federal Motor Vehicle Safety Standards (FMCS) and Federal Regulations applicable or specified for the year of manufacture. The chassis, components, and optional items shall be as represented in the manufacturer's current technical data. Also the ambulance body, equipment, and accessories shall be as represented in their respective manufacturer's current technical data.

Does your bid comply with this requirement? YES () NO ()

3.3 Materials. Materials used in the construction shall be new and not less than the quality conforming to current engineering and manufacturing practices. Materials shall be free of defects and suitable for the service intended.

Does your bid comply with this requirement? YES () NO ()

Attachment: Harrisonville Emergency Services Type II specification 2014 (2) (1427 : Type II Ambulance Specifications)

3.4 Vehicle Operation, Performance, and Physical Characteristics. The following is a description of the Cab-Chassis that will meet the minimum requirements of this specification and it is expressed as minimums. In addition, the chassis shall comply with paragraphs 3.4.1 through 3.6.14 of Federal Specification KKK-A-1822F.

Does your bid comply with this requirement? YES () NO ()

3.5 Chassis Manufacturer and Model Year. The Chassis meeting the requirements of this specification is a **2014 FORD or Newer FORD.**

Does your bid comply with this requirement? YES () NO ()

3.6 Model Physical Characteristics. The model type required is an S-34 Super Extended Cargo Van with "ambulance prep package" option #47A and the following specifications. Cab interior to be XL trim and upholstery to be Gray

Ford S-34 Super Cargo Van - Extended
9,500 lbs. GVWR
138" Wheelbase

Powertrain: Triton 5.4L V-8 Gasoline Engine
5 Speed Electronic Automatic Transmission

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
(1) Jack, and set of tire changing tools

Axles: Front Twin-I-Beam, 5,000 lbs. capacity
Rear, Semi Floating, 6,340lbs. capacity

Suspension: Front springs, 4,600 lbs. capacity, coil type
Rear springs, 6,195 lbs. capacity, two stage multi-leaf

Seats: Cloth Luxury Captain Chairs

Ambulance Prep Package:
4.10 Limited Slip Rear Axle Ratio
Single 220 amp Alternator

Audio: Electronic AM/FM Stereo w/clock

Additional Options:
Speed control/tilt steering
Dual electric horns
Bright swing-out recreational mirrors & convex add-ons
Interval select windshield wipers
Gauges: Fuel level, water temperature, oil pressure
Interior mirror: Day/night design
Driver and Passenger Side Airbag

Attachment: Harrisonville Emergency Services Type II specification 2014 (2) (1427 : Type II Ambulance Specifications)

- Full Wheel Covers
- Power Door Locks
- Tilt/Cruise Control
- Fixed, Tinted Windows in side and rear entry doors

Does your bid comply with this requirement? YES () NO ()

3.6.1 A second battery, the same size as the Ford OEM battery shall be furnished and shall be mounted on the chassis frame rail. Batteries to be wired per KKK-A-1822F.

Does your bid comply with this requirement? YES () NO ()

ELECTRICAL SYSTEM AND COMPONENTS

4.1 Electrical System. The emergency medical vehicle's electrical system must meet most current KKK-A-1822F, Section 3.7.1.

Does your bid comply with this requirement? YES () NO ()

4.2 Instrument 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. The console will incorporate full size Euro-style rocker switches with LED on indicators, status indicator lamps, throttle control, engine hour meter and amp gauge. Smaller size rocker switches are not desired due to the awkwardness to select the desired switch during an emergency.

Does your bid comply with this requirement? YES () NO ()

4.2.1 Front console will be molded, one piece ABS 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.

Does your bid comply with this requirement? YES () NO ()

4.3 Patient Compartment Controls. All switches and controls for the patient compartment shall be located on a service panel in the action area, angled slightly toward the rear of the vehicle. These switches shall be of the same design and construction as found in the driver's control console. These switches shall not be activated unless the "MASTER" switch in the driver's console is in the "ON" position

Does your bid comply with this requirement? YES () NO ()

4.4 Warning Indicators. The electrical system shall incorporate a warning light panel in the driver's console. It shall provide indicator lights for showing: patient compartment door(s), side and rear, are open. This shall be a flashing RED light. There shall be an exterior compartment "door-open" warning light. This shall be a flashing AMBER light of the same size.

Does your bid comply with this requirement? YES () NO ()

Attachment: Harrisonville Emergency Services Type II specification 2014 (2) (1427 : Type II Ambulance Specifications)

4.5 Wiring Installation. The ambulance body and accessory electrical equipment shall be served by circuit(s) separate and distinct from the vehicle chassis circuits. All wiring provided by the ambulance manufacturer shall be copper and conform to all the SAE J1292 requirements and shall have type GXL "cross linked" high temperature polyethylene or better insulation rated to 300 degrees Fahrenheit and conforming to SAE J1127 and J1128.

Does your bid comply with this requirement? YES () NO ()

4.5.1 Wiring shall be permanently color coded to identify wires. Wires shall be permanently heat ink embossed with both number and function codes. The function code shall be the "descriptive" name of the circuit served. The number code shall be the exact purpose of that circuit. This number code shall be completely referenced in a detailed wiring schematic provided with the vehicle. The function and number code shall be embossed at a minimum of 4 inch intervals the entire length of the wire.

Does your bid comply with this requirement? YES () NO ()

4.5.2 Wiring shall be routed in conduit or high temperature looms with a rating of 300 degrees Fahrenheit where necessary to protect it. All added wiring shall be located in accessible, enclosed, and protected locations and kept at least six inches away from the exhaust system components. Electrical wiring and components shall not terminate in the oxygen storage compartment except for the compartment light, and switch plunger. Wiring necessarily passing through an oxygen compartment shall be routed in rigid conduit. All conduits, looms, and wiring shall be secured to the body or frame with insulated metal cable straps in order to prevent sagging and movement which results in chafing, pinching, snagging or any other damage. All apertures on the vehicle shall be properly grommited and sealed for passing wiring and conform to SAE 1292. All items used for protecting or securing the wiring shall be appropriate for the specific application and be standard automotive, aircraft, marine or electronic hardware.

Does your bid comply with this requirement? YES () NO ()

4.5.3 No splices shall be permitted except for connection of "OEM pigtail-type" devices. Butt splices are permitted for connection of OEM pigtail devices. All connectors shall be UL approved. Connection shall be machine applied to UL standards. The use of insulation displacement type connectors, such as scotchlocks type fasteners are NOT ACCEPTABLE.

Does your bid comply with this requirement? YES () NO ()

4.6 Wiring Criteria. All wiring devices, switches, outlets, etc., except circuit breakers, shall be rated to carry at least 125% of the maximum ampere load for which the circuit is protected. There shall be a master electrical component panel located in the ambulance. It is preferred that this panel be mounted behind the action area in the patient compartment and easily accessed for service. Standard circuit breakers, relays, and diodes shall be mounted on a printed circuit panel and shall be easily accessible through a door or hatch. All components on the circuit board are to be permanently labeled as to their function.

Does your bid comply with this requirement? YES () NO()

Attachment: Harrisonville Emergency Services Type II specification 2014 (2) (1427 : Type II Ambulance Specifications)

4.6.1 Printed Circuit Board. The printed circuit board shall be designed and manufactured as follows: A screen printed board with all circuits fully numbered and labeled. The circuit board shall be a double-sided copper trace printed circuit board with a double-sided laminated isolator. The board shall be non-photo-imaginable solder mask over bare copper with hot air leveled solder over non-masked copper. The board traces shall be three ounce copper panel. Fuse capacity is the beginning factor in calculating trace width to ensure proper current carrying capability. The circuits shall then be oversized as much as space permits for maximum cooling of the board. All holes shall be plated through. The terminal strips shall be mounted on the board for connection of the wiring harness(es).

Does your bid comply with this requirement? YES () NO ()

4.6.2 Printed circuit board shall incorporate visual onboard diagnostics for input, output, and switching circuits for troubleshooting at a glance.

Does your bid comply with this requirement? YES () NO ()

4.6.3 Circuit Board Certification. The printed circuit board shall meet NEMA GRADE FR-4, UL-94-V-0, and MIL-P-12949F/4B specifications.

Does your bid comply with this requirement? YES () NO ()

4.7 Electrical Generating System. The ambulance shall be equipped with the OEM supplied single large alternator..

Does your bid comply with this requirement? YES () NO ()

4.8 Engine Automatic High-Idle Speed Control. Shall be OEM supplied High-Idle Speed Control. The control module shall be mounted on the side of the front instrument console.

Does your bid comply with this requirement? YES () NO ()

4.9 Voltmeter or Voltage Monitor. OEM Voltmeter shall be supplied.

Does your bid comply with this requirement? YES () NO ()

4.10 Battery System. The vehicle shall be supplied with a two (2) battery 12 volt system. All batteries will have a minimum cold cranking ampere rating of not less than supplied by the OEM chassis manufacturer. Both batteries shall be at the OEM location on the curb side frame. There shall be either a plug or other type of connector to allow the vehicle to be jump-started without having to actually get underneath the vehicle. The OEM and module batteries shall be interconnected to provide maximum cold cranking amps and reserve capacity at all times. Battery system shall be wired in accordance with Federal Specification KKK-A-1822F per figure 5 drawing. The system must meet SAEJ541 for starter circuit voltage drop for heavy-duty applications. No exceptions will be accepted.

Does your bid comply with this requirement? YES () NO ()

Attachment: Harrisonville Emergency Services Type II specification 2014 (2) (1427 : Type II Ambulance Specifications)

4.11 Internal 12 Volt DC Power. The patient compartment shall be furnished with a 12 volt DC, 20 ampere capacity, separately protected circuit, with two (2) cigar lighter style outlets. This circuit shall also include a (low voltage drop) "Schottky" diode to isolate medical equipment batteries from any electrical loads imposed by the remainder of the ambulance electrical systems.

4.11.1 The Schottky diode shall be heat-sink mounted and having an inverse voltage rating of at least 45 volts and rated to carry the maximum short circuit current until the circuit breaker opens.

Does your bid comply with this requirement? YES () NO ()

4.12 Master Module Disconnect Switch or Device. This device or switch shall be located on the driver's compartment console and shall be backlit with permanent label.

Does your bid comply with this requirement? YES () NO ()

4.13 115 Volt AC Utility Power. The ambulance shall be furnished with a 2-wire plus ground 115 volt AC wiring system that is separate and distinct from the vehicle's 12 volt DC wiring system. The AC electrical system, including wiring and associated equipment, shall comply with AMD Standard 009. Listing shall be by a nationally recognized testing laboratory, recognized by OSHA under Appendix A to 29 CFR 1910.7.

The AC system shall incorporate a ground fault circuit interrupter (GFCI) device and a minimum 15 ampere circuit breaker which can be used as a master AC disconnect switch. The GFCI and circuit breaker may be an integral unit. The AC wiring shall utilize stranded wire in armored cable, nonmetallic sheathed cable, "Type SO" or better flexible cable rated at 600V and 90° C., covered with a minimum 149° C (300° F). flame retardant wire loom, or approved wire in conduit.

Does your bid comply with this requirement? YES () NO ()

4.14 Utility Power Connector. A 115 volt AC (male) plug (NEMA 5-15P), rated at 15 amps (similar to a Levitan 4937, Arrow-Hart 527WP or equal), with spring loaded cover assembly suitable for wet locations, shall be installed on the driver's side of the ambulance body in close proximity to driver's door. This receptacle shall energize the vehicle's internal AC circuit from an external power source (utility power). The purchaser's stationary utility power circuit supplying the ambulance's 115 volt AC power should incorporate ground fault protection. A proper mating, weatherproof, 15 ampere or more when required, female receptacle (NEMA 5-5R) shall also be furnished without cable and tagged specifying the size, type of wire necessary, and the polarity of the future hookup.

Does your bid comply with this requirement? YES () NO ()

4.15 Inverter. There shall be provided a combination battery charger and inverter for use with medical electronics. The inverter portion shall be rated at a continuous 1050 watts output with a surge capacity of up to 2100 watts. The output shall be modified sine wave with voltage of 120 volts AC. There shall also be an automatic transfer switch that will disable the inverter output whenever the shoreline system is engaged.

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The battery charger portion shall have a charging capacity of 15 amps to 55 amps with input current of 12 volts. The entire unit shall have a white, painted aluminum chassis with non corrosive hardware and should measure approximately 12.5" wide x 6" high x 11" deep (approximate) and should weigh no more than 22 pounds. Additionally, the unit shall have a thermostatically controlled fan for internal cooling. The inverter/charger will be mounted underneath the rear attendant's seat. There will be a switch for the inverter located on the rear switch panel.

Does your bid comply with this requirement? YES () NO ()

4.16 Electrical 115 Volt AC Receptacles. The patient compartment shall be furnished with the following 2 wire plus ground duplex 115 volt AC receptacles. All receptacles shall be near flush, vertically mounted. An indicator shall be located within each 115 volt AC receptacle as a line monitor indicating a live (hot) circuit. The receptacles shall be labeled with the following: "115 VOLT AC." Outlets shall be connected to the shoreline.

One (1) outlet shall be located on the primary patient action wall. Outlet shall be at least 12" from any oxygen outlet.

One (1) outlet shall be located in the front ALS cabinet.

Does your bid comply with this requirement? YES () NO ()

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VEHICLE LIGHTING AND WARNING REQUIREMENTS

5.1 Vehicle Exterior Lighting Requirements. The basic exterior ambulance lighting shall comply to FMVSS Standard No. 108 and the requirements herein and include: amber front and rear directional signals and hazard warning lights, front and rear side marker lights, backup lights, loading lights, clearance lights, ambulance emergency lights, floodlights, and spotlight(s).

Does your bid comply with this requirement? YES () NO ()

5.2 Emergency Lighting System. The emergency lighting system must provide the vehicle with 360 degrees of visual warning conspicuity. The system must display highly perceptible and attention-getting signals that function in a modal system and convey the message in the PRIMARY MODE - "Clear the Right-of-Way" and in the SECONDARY MODE - "Hazard Vehicle Stopped on Right-of-Way".

Does your bid comply with this requirement? YES () NO ()

5.2.1 Warning light system shall contain twelve (12) fixed LED split red/blue lights with clear lenses, one (1) amber LED and one (1) fixed clear LED light. These lights shall function in a dual mode system as shown in KKK-A-1822F and meet the physical and photometric requirements of paragraph 3.8.2.1 of that same document. The upper body warning lights shall be identical and mounted at the extreme upper corner areas of the ambulance body below the horizontal roof line, with the single clear light mounted midway between the two front facing red upper corner lights and the amber light centered above the rear doors. Warning lights shall not be obstructed by doors, auxiliary lights, or siren(s).

Does your bid comply with this requirement? YES () NO ()

5.2.2 Warning light layout shall be as follows:

Grille Lights: Four (4) Whelen Linear Super-LED LIN3 LED lights shall be mounted in the front grille. Red LED lights shall be located one (1) curbside on top row and one (1) streetside on bottom row. Blue LED lights shall be located one (1) streetside on top row and one (1) curbside on bottom row. The grille lights shall be located at least 76 cm (30 in.) above the ground and below the bottom edge of the windshield and be laterally separated by at least 46 cm (18 in.), measured from centerline to centerline of each lamp.

Does your bid comply with this requirement? YES () NO ()

Intersection Lights: Two (2) Whelen 700 Series, LED lights with split red/blue lights and clear lens and trim flanges. Lights shall be mounted as close as possible to the front upper edge of each front fender.

Does your bid comply with this requirement? YES () NO ()

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Front Roof Lights: Two (2) Whelen 900 Series, LED lights with split red/blue lights and clear lens mounted in the upper outer corners of raised fiberglass roof. One (1) Whelen 900 Series, LED light with clear lens mounted on the center portion of the raised fiberglass roof equidistance between the front red flashing lights.

Does your bid comply with this requirement? YES () NO ()

Side Roof Lights: Two (2) each side Whelen 900 Series, LED lights with split red/blue lights and clear lens.

Does your bid comply with this requirement? YES () NO ()

Rear Roof Lights: Two (2) Whelen 900 Series, LED lights with split red/blue lights and clear lens mounted in the outer upper corners of the raised fiberglass roof. One (1) Whelen 900 Series, LED light with amber lens mounted above the rear entry doors.

Does your bid comply with this requirement? YES () NO ()

5.3 Front Lightbar: Whelen Liberty SX Series Super-LED lightbar shall be mounted on the lower portion of the raised fiberglass roof. The lightbar shall have four extended corner Linear Super-LED red / blue modules with clear outer lenses. The lightbar shall be activated by a switch on the front console labeled: LIGHTBAR.

Does your bid comply with this requirement? YES () NO ()

5.4 Headlight Wig-Wag. A heavy duty flasher capable of alternately flashing the vehicle high beam headlights shall be installed. Flasher shall be wired so that the high beam flash pattern will be disabled if the OEM high beams are activated by the driver. Flasher shall be wired to a switch on the front console.

Does your bid comply with this requirement? YES () NO ()

5.5 Flood and Loading Lights (Exterior). Flood and loading lights shall not be less than 75" above the ground and shall not be obstructed by open doors. Floodlights shall be located on the left and right sides of the ambulance and be firmly fastened to the body surfaces below the roofline. The lamp(s) H-V shall be projected downward at an angle of 13 degrees from the horizontal plane. This shall be accomplished by using lens inserts or housings.

Does your bid comply with this requirement? YES () NO ()

5.5.1 There shall be two Whelen 900 Series, LED scene lights with a 13° downward angle on the light beam on each side of the raised fiberglass roof. The downward angle may be accomplished by the use of an insert behind the lens. Floodlight switches shall be located on the cab console and control each side independently.

Does your bid comply with this requirement? YES () NO ()

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5.5.2 There shall be two Whelen 900 Series, LED scene lights with a 26° downward angle on the light beam on the rear of the raised fiberglass roof. These lights shall be installed above the rear doors and shall illuminate the area surrounding the back loading door(s). Loading lights shall automatically be activated when the rear door(s) are opened and shall be incorporated with FMVSS backup lighting system.

Does your bid comply with this requirement? YES () NO ()

5.6 Spotlight. A handheld spotlight shall be provided with a minimum of 100,000 candle power. It shall be in a corrosion-proof housing with a protected momentary switch to prevent accidental activation and a minimum 8 ft. heavy-duty coiled cord. It shall be hard wired into the vehicle 12 volt DC system (for antitheft reasons) and stowed in the cab area accessible to the driver and passenger.

Does your bid comply with this requirement? YES () NO ()

5.7 Vehicle Interior Lighting. The basic interior ambulance lighting configuration shall be designed to minimize electrical loads and include: a driver's compartment dome light, instrument panel lights, master switch panel and console light(s). Lighting shall be designed and located so that no glare is reflected into the driver's eyes or his line of vision from the switch control panels or other areas that are illuminated while the vehicle is in motion.

The patient compartment dome lighting shall be sufficient at the step well, and the control panel shall be clearly visible or separately illuminated.

Does your bid comply with this requirement? YES () NO ()

5.8 Patient Compartment Illumination. The patient compartment shall be provided with five (5) overhead "dual-intensity" LED lights. There shall be three (3) lights located over the "primary patient" area and two (2) over the squad bench. These Lights shall be mounted into the patient compartment fiberglass head liner and shall not protrude into the patient compartment. These lights must be bolted through tapping plates embedded in the fiberglass headlines. The overhead lights shall have two (2) levels of illumination. The use of fluorescent lights for primary patient compartment illumination is not acceptable due to RF emissions that can affect the operation of medical and telemetry equipment.

Does your bid comply with this requirement? YES () NO ()

5.8.1 Attendant shall be able to control these lighting levels from the patient compartment console. The dual level lighting shall work together or may be separately selected from side to side. The dual level feature shall be activated by rocker type switches located in the attendant's control panel.

When either the curbside or rear door(s) are opened, the three (3) lights over PRIMARY PATIENT area shall be automatically activated in the low intensity mode. The lights over the squad bench shall not light automatically to conserve power.

Does your bid comply with this requirement? YES () NO ()

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5.9 Check-Out Timer. A 15 minute, manually activated timer shall be installed at the head of the squad bench adjacent to the side entry doors and wired to the street side dome lights in the high intensity mode for use a “check-out” lights. After the circuit “times out” the lights shall automatically be disconnected from the power source.

Does your bid comply with this requirement? YES () NO ()

CAB-BODY DRIVER COMPARTMENT AND EQUIPMENT

6.1 Driver's Compartment, Cab-Body Structure. Shall be as required by paragraph 3.9.1 of Federal Specification KKK-A-1822F.

Does your bid comply with this requirement? YES () NO ()

6.2 Cab-Body Provisions. The ambulance cab shall meet the requirements listed under section 3.0 of this specification as well as paragraph 3.9.2 of Federal Specification KKK-A-1822F.

Does your bid comply with this requirement? YES () NO ()

6.3 Cab Compartment Driver and Assistant Seat. The cab shall be provided with bucket seats with lap and shoulder harness for both driver and passenger. The seats shall be frame constructed with cushioned springs or foam rubber, padded and upholstered to provide maximum riding comfort.

Does your bid comply with this requirement? YES () NO ()

6.4 Outside Rearview Mirrors. The vehicle mirrors should be firmly secured, vibration less rear view mirrors totaling at least 125 square inches. All mirror head faces shall be independently adjustable.

Does your bid comply with this requirement? YES () NO ()

6.5 Bumpers and Steps. The chassis manufacturer's standard bumper shall be furnished on the front of the cab. The rear of the ambulance shall be furnished with the chassis manufacturer's full width chrome bumper. A rear step adequate to support a test weight of 500 lbs. without flexing shall be provided. The rear step shall be equal distance, plus or minus 2", between the ground and the floor. The rear step shall be galvanized metal designed to prevent the accumulation of mud, ice or snow and be made of anti-skid grating material. There shall be skid bars installed under this step. The frame of this bumper shall be slotted to allow for approximately 2" of forward and aft adjustment. The step shall be at least the width of the rear door opening and at least 9 inches deep.

Does your bid comply with this requirement? YES () NO ()

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VEHICLE BODY AND PATIENT AREA

7.1 Body Accommodations. The ambulance body and patient compartment shall be sufficient in size to meet the requirements of paragraph 3.10.1 of Federal Specification KKK-A-1822F. The interior layout shall be such that a technician can administer life support treatments to at least one person during transit.

Does your bid comply with this requirement? YES () NO ()

7.2 Access Between Cab and Body Compartments. The ambulance and body bulkheads shall have an opening between them with no door.

Does your bid comply with this requirement? YES () NO ()

7.3 Emergency Medical Technician (EMT) Seating. Seating for the attendant shall consist of a contoured "high back" padded bucket seat. The seat shall be equipped with seat belt and shoulder harness for the attendant, secured to the floor structures. The seat shall have an adjustable track to allow movement (fore and aft), installation shall comply with the requirements of FMVSS.

Does your bid comply with this requirement? YES () NO ()

7.4 Patient Compartment Interior Dimensional Parameters. The patient compartment of the ambulance shall meet the following as minimum requirements.

Length: Measured from the bulkhead to the inside edge of the rear doors at the floor shall be at least 138 inches. There shall be at least 25" and not more than 30" of clear space at the head of the primary patient, measured from the face of the backrest of the attendant's seat to the forward edge of the style 1 cot.

Width: The width of the patient compartment, after the installation of the cabinets, shall provide at least 56" between the left and right wall and at least 35.5 inches between the left wall and the face of the squad bench.

Height: The patient compartment shall provide at least 64" of height over the primary patient area measured from the floor to the ceiling.

Does your bid comply with this requirement? YES () NO ()

7.5 Body, General Construction. The van body shall be of steel construction with a fiberglass raised roof. The van body (prior to outside attached devices) as a unit shall be designed and built to provide impact and penetration resistance, and shall be of sufficient strength to support the entire weight of the fully loaded vehicle on its top or side if overturned, without separation of joints or permanently deforming roof reinforcements, body post, and other reinforcements.

Does your bid comply with this requirement? YES () NO ()

Attachment: Harrisonville Emergency Services Type II specification 2014 (2) (1427 : Type II Ambulance Specifications)

7.6 Vehicle Body Structure. All parts of the ambulance body and attachments shall be fastened together with rust-resistant fasteners which will preclude loosening of bolts, screws and rivets and cracking of welded joints. Metal tapping plates welded to the body or framing to provide firm securing for installed equipment and devices (cabinets, benches, partitions, cylinders, cot holders, etc.) shall be employed in the ambulance structure.

Does your bid comply with this requirement? YES () NO ()

7.6.1 Metal tapping plates welded to the body or framing to provide firm securing for installed equipment and devices (cabinets, benches, partitions, seat belts, cylinders, cot holder(s), etc.) Self-tapping (wood/metal) screws or nails shall not be used in the attachment of these structures to the ambulance body. The body, roof and panel joints shall be watertight. All openings between chassis and occupant compartment, due to alteration of construction shall be sealed.

Does your bid comply with this requirement? YES () NO ()

7.7 Ambulance Roof and Roll-Cage Assembly. The ambulance shall be provided with a fiberglass exterior roof that is aesthetically designed to present an aerodynamic look to blend with the OEM chassis. . Fiberglass is desired due to its lightweight and superior tensile strength as well as its resistance to corrosion.

A metal exterior roof will not be accepted since the increased weight will tend to make the vehicle more "top-heavy" than if provided with a fiberglass roof. Since safety is a prime concern, the fiberglass roof must be supported by a "roll-cage".

Does your bid comply with this requirement? YES () NO ()

7.7.1 A strategically designed and tested roll cage shall provide protection if needed yet not add unnecessary weight to the top of the ambulance. An excessive quantity of roll cage bars or tubing members make the van "top heavy" and reduces handling and payload capacity. Four mandrel rolled schedule 40 steel pipes with gussets plates shall be welded into place to enhance the OEM sidewall support structures.

Does your bid comply with this requirement? YES () NO ()

7.7.2 Roll-cage shall be constructed of one inch (ID), schedule 40 steel pipe. The wall thickness of this pipe shall not be less than 1/8 inch thick. These roll cage members shall be hydraulically bent and not heat molded or torched to prevent loss of temper strength.

Each of the roll-bars must be welded to the chassis roof frame by using gusset plates made of 12 gauge steel. Due to an extreme concern for occupant safety in a collision, there shall be no exceptions to these minimum requirements.

Does your bid comply with this requirement? YES () NO ()

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7.7.3 Exterior fiberglass roof cap shall be permanently attached to the chassis roof frame and over the above described roll-cage. The roof shall be sealed where attached to the chassis roof frame to prevent leaks.

Does your bid comply with this requirement? YES () NO ()

7.8 Headliner. The interior fiberglass headliner of the patient compartment shall be of "single-piece" construction. It shall be fiberglass bonded to the roll-cage assembly to insure roof integrity. The headliner shall be able to contain near flush surface lighting and IV hooks. This liner shall be smooth and white in color. The headliner shall contain a molded-in location that will enable the overhead grab rail to be recessed.

Does your bid comply with this requirement? YES () NO ()

7.9 Doors. Two door openings, other than the doors for the driver's cab compartment shall be provided. There shall be a door(s) opening on the right forward side and rear for loading into the patient compartment. The side door(s) shall consist of two swing doors providing a door opening of at least 42" high.

Does your bid comply with this requirement? YES () NO ()

7.9.1 Rear door(s) opening shall be the chassis manufacturer's standard. The ambulance body doors shall be equipped with not less than 250 square inches of safety glass area per door. Doors shall be designed for easy release but prevent accidental openings with an interlocking system that functions even when the doors are not completely closed.

Does your bid comply with this requirement? YES () NO ()

7.10 Door Latches, Hinges and Hardware. Door latches, hinges and hardware shall comply with FMVSS 206. When the doors are open, the hinges, latches or door checks shall not protrude into the access area. All doors shall have hardware or devices to prevent inadvertent opening and closing; a 6 inch long or longer grab handle on the inside of each door, in addition to a door operating handle; door stops to prevent damage to the body sides; a handle latch operable from the inside and outside of the body with an external operated lock with key per door opening.

Does your bid comply with this requirement? YES () NO ()

7.11 Floor. The floor shall be at the lowest level permitted by clearance but not more than 33 inches from the ground. It shall be flat and be un-encumbered in the door(s) access and work area. All floor areas shall withstand a distributed load of 150 pounds per square foot. The original chassis floor shall be covered with a 3/4" thick, seven (7) ply exterior grade plywood floor.

Does your bid comply with this requirement? YES () NO ()

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7.11.1 There shall be a minimum of voids or pocket at the floor to side wall areas where water or moisture can become trapped to cause rusting and unsanitary conditions. Voids and pockets shall be filled with sealer or caulking compound. Flooring shall extend the full length and width of the patient compartment or body (including the space under cabinets).

Does your bid comply with this requirement? YES () NO ()

7.11.2 There shall be a threshold installed to prevent fluids on the patient area floor entering the cab area.

7.12 Floor Coverings. The patient compartment floor covering shall be of a treadplate design adapted to resilient sheet vinyl. The floor surface shall provide a measure of skid-resistance without sacrificing color and style. The floor covering shall be constructed in multiple layers composed of polyvinyl chloride (PVC) resin, plasticizers, fillers and pigments. The co-calendared wear layer shall be formulated to provide maximum resistance to foot traffic and most commercial and healthcare chemicals. The middle layer shall provide dimensional stability, sound-absorbing properties and resiliency under foot.

The backing layer shall provide strength and stability of the flooring and shall enhance the bonding strength of the adhesive. Nominal overall thickness shall be .100 inches (2.5mm). Flooring shall meet or exceed all ASTM and / or NFPA standards as pertains to coefficient of friction, flame spread, smoke density, abrasion resistance, flexibility and chemical resistance. Color of flooring to be metallic gray or approved equal.

Does your bid comply with this requirement? YES () NO ()

7.13 Partition. A full height and width partition or bulkhead (with or without compartments), having rollbar characteristics and a walk through opening shall be placed between the driver and patient's compartment. This partition shall be located directly behind the driver and companion seats when in the rearmost position. The partition shall be secured on the sides, ceiling, and floor by welding or bolting to tapping plates.

Does your bid comply with this requirement? YES () NO ()

7.13.1 A walk through shall be provided between the cab and patient area. Door opening shall be at least 17" wide x 46" high and shall provide an aisle between the compartments.

Does your bid comply with this requirement? YES () NO ()

7.14 Insulation. The "second stage" manufacturer shall supply an insulating material that is nonflammable with a Class A, Class 1 fire rating The insulation shall be 3.5" thick, high temperature resistant unfaced fiberglass insulation that has an R-12 thermal rating.

Does your bid comply with this requirement? YES () NO ()

7.15 Interior Surfaces. The interior of the patient's compartment shall be free of all sharp projections. Exposed edges and corners shall be broken with a radius or shall be covered with a highly polished stainless steel trim piece.

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Does your bid comply with this requirement? YES () NO ()

7.15.1 The finish of the entire patient's compartment including storage cabinets and equipment shall be impervious to soap and water, disinfectants, mildew and shall be fire resistant per FMVSS 301.

Does your bid comply with this requirement? YES () NO ()

7.16 Interior Stowage Accommodations. The interior of the patient compartment shall provide but not be limited to a minimum volume of 30 cubic feet of enclosed storage cabinetry, compartment space and shelf space, which shall be conveniently located for medical supplies, devices or other equipment. All interior cabinets shall be fully lined inside with laminate. Carpet, wood or other linings are not acceptable. No interior storage area for a stair chair is required.

Does your bid comply with this requirement? YES () NO ()

7.16.1 Narcotics Storage Cabinet. A cabinet shall be supplied in the patient compartment in the upper cabinet area used for narcotic storage. This cabinet shall be lockable and supplied with a CompX elock locking mechanism.

7.17 Location of Medical Equipment and Supplies. The equipment and supplies necessary for airway care, artificial ventilation, oxygenation and suction shall be within easy reach of the technician at the head of the stretcher.

Does your bid comply with this requirement? YES () NO ()

7.18 Storage Compartments and Cabinet Design. Storage cabinets, drawers, and kits shall be easily opened, but shall not come open in transit. Where specified the storage cabinets shall have shatterproof Lexan Grey doors set in a four-sided anodized aluminum picture frame style door frame. The Lexan used in the cabinet doors shall be a least 3/16" thick.

Does your bid comply with this requirement? YES () NO ()

7.18.1 Where specified there shall be adjustable shelves in the cabinets. The cabinets shall be constructed of exterior grade plywood and covered on all surfaces and edges with a high grade plastic laminate. Cabinets shall be securely bolted to mounting plated welded to the van substructure.

Does your bid comply with this requirement? YES () NO ()

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7.18.2 The attendant's horizontal work surface in the "action" area shall be a formed plastic insert to provide a smooth easy to clean work surface.. There shall be a LED light mounted in this area.

Does your bid comply with this requirement? YES () NO ()

7.19 Squad Bench, Seats and Backrests. The squad bench seat and backrests shall be seamless designed impervious to fluid penetration.

Does your bid comply with this requirement? YES () NO ()

7.19.1 Squad bench shall be equipped with a locking device to secure the lid preventing accidental opening during a rollover.

Does your bid comply with this requirement? YES () NO ()

7.19.2 Squad bench shall have a 60 lbs. gas cylinder style hold-open device that will hold the lid in the up position.

Does your bid comply with this requirement? YES () NO ()

7.20. Biohazard/Sharps Disposal Area. A dedicated area at the head of the squad bench shall be for biohazard and sharps disposal. Access to an individual sharps container and a separate biohazard trash receptacle shall be through individual, hinged Plexiglas doors. Each door shall be red in color and shall have a biohazard warning label installed. The sharps container and trash receptacle shall be easily removed when the squad bench lid is raised.

Does your bid comply with this requirement? YES () NO ()

7.21 Seat Safety Belts and Anchorages. Shall incorporate an automatic locking retractor on the male side of the seat belt.

Does your bid comply with this requirement? YES () NO ()

7.22 Litter Fasteners and Anchorages. Cot fasteners shall be mounted utilizing tapping plates incorporated into the modular body floor. Cot fastener shall be the Ferno-Washington Pro Flex single position with rear mounted safety hook.

Does your bid comply with this requirement? YES () NO ()

7.23 Patient Restraints. Shall be as specified in paragraph 3.11.8 of Federal Specification KKK-A-1822F.

Does your bid comply with this requirement? YES () NO ()

7.24 IV Holders for Intravenous Fluid Containers. Shall be as specified in paragraph 3.11.9 of Federal Specification KKK-A- 1822D.

Does your bid comply with this requirement? YES () NO ()

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7.25 Oxygen, Main Supply and Installation. The ambulance shall have a hospital type piped oxygen system capable of storing and supplying a minimum of 3,000 liters of medical oxygen. The cylinder controls shall be accessible from inside the patient compartment. The pressure gauge shall be visible from either the attendant's seat or from the squad bench. The oxygen shall be piped to one (1) self-sealing Ohio adaptable oxygen outlets located in the action area, one (1) oxygen outlet in the headliner above the patient area and one (1) oxygen outlet at the head of the secondary patient. The oxygen system will incorporate electrically conducted oxygen hose with a working pressure of 150 PSI. All oxygen hose/outlet connections will use machine crimped brass ferrules and high pressure connectors. The entire oxygen delivery system will be pressure tested with a minimum of 150 PSI of nitrogen gas for a period of 4 hours. The testing documentation will be delivered with each vehicle.

Does your bid comply with this requirement? YES () NO ()

7.25.1 Storage for the main oxygen cylinder shall be at the rear of the squad bench. The oxygen compartment shall be provided with a vent to dissipate/vent leaking oxygen to the outside of the ambulance. Oxygen cylinder compartment shall not be utilized for storage of any other equipment. Oxygen cylinder shall be mounted with stainless steel oxygen bottle retention straps as required for the crash worthiness tests of AMD Standard 003, Oxygen Tank Retention System. Bracket for the main oxygen cylinder shall be designed to fit a "M" size cylinder. Rack shall consist of a minimum of (2) metal straps or ratchet straps.

Does your bid comply with this requirement? YES () NO ()

7.25.2 One (1) 50 psi oxygen regulator shall be furnished. The medical oxygen pressure reducing, and regulating valve with inlet filter at the cylinder shall have line relief valve set at 200 psi maximum, and a gauge or digital monitor with a minimum range of 0 to 2,500 psi with the gauge or display scale graduated in not more than 100 PSI increments. The regulator shall be easy to connect and preset, with a locking adjustment, at 50 +/- 5 psi line pressure, permitting a minimum 100 LPM flow rate at a bottle pressure of 150 psi.

Does your bid comply with this requirement? YES () NO ()

7.26 Suction Aspirator, Primary Patient. The ambulance shall be supplied with a Sscort 2000 suction panel which shall house a vacuum control and a shut-off valve, or combination thereof, to provide adjustment levels or to discontinue aspiration instantly. A vacuum indicator gauge of 76 mm +/-13 mm (3" +/-0.5") in diameter, with numerical markers at east every 100 mm Hg and a total range of 0 to 760 mm Hg.

A stainless steel, universal canister holder for protection and retention of a large variety of hospital grade canisters. A Bemis disposable canister with a minimum 1,000 ml capacity shall be provided.

Does your bid comply with this requirement? YES () NO ()

ENVIRONMENTAL SYSTEMS

8.1 Ambulance shall be equipped with a complete climate environmental system to supply and maintain clean air conditions and specified level of inside temperature in both driver and patient compartments. Ambulance shall be equipped with heating, ventilating, and air conditioning systems that can be made to collectively operate using re-circulated air and

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outside ambient air and shall be capable of maintaining interior temperature of 20° C to 26° C (68° F to 78° F) when operated between -18° C to 35° C (0° F to 95° F) outside ambient temperature. The air systems shall be high volume capacity with low velocity delivery for minimum draft circulation while providing a positive pressure within each closed compartment (positive pressure may be attained through the fresh air ventilation system either apart from or as an integral part of the heating/air conditioning system). Environmental system components shall be readily accessible for servicing at the installed location(s). Connecting hoses for heating and the air conditioning system shall be supported by rubber insulated metal clamping devices at least every 30 cm (12 in.). The driver and patient compartment environments shall not in any way be dependent upon each other.

Does your bid comply with this requirement? YES () NO ()

8.2 Driver's Compartment Environmental Equipment. The driver's compartment shall be furnished with OEM hot water, fresh air, high capacity, heavy-duty heater with dual defrosters and dehumidifying air conditioning system. Systems shall provide outside air and variable mixtures as desired, circulating conditioned air through the compartment in compliance with environmental criteria specified herein.

Does your bid comply with this requirement? YES ()NO ()

8.3 Patient Compartment Environmental Equipment. The patient compartment shall be heated, ventilated, and air conditioned in accordance with the criteria specified herein.

Does your bid comply with this requirement? YES ()NO ()

8.3.1 Heating Criteria. The heating system shall have sufficient capacity to simultaneously raise the temperature at the midpoints, in each compartment, to a minimum dry bulb temperature of 20° C (68°F), at all twelve test points (9 patient compartment and 3 cab) within 30 minutes. Heating equipment may be in the recirculating mode and all compartment openings, including partition doors/windows and exhaust vents, shall be closed. Heater furnished shall comply to applicable Motor Carrier Safety Regulation 393.77. Heater shall, to the maximum extent possible, be connected to the chassis manufacturers furnished interconnection points. When interconnection points are not furnished, chassis manufacturers unused engine water pump supply ports shall be utilized. All added heater hose shall meet or exceed chassis manufacturers requirements.

Does your bid comply with this requirement? YES ()NO ()

8.3.2 Air Conditioning Criteria. The air conditioning system(s) shall have sufficient capacity to simultaneously lower the temperature at the midpoints in each compartment to a maximum dry bulb temperature of 26° C (78° F), at all twelve (9 patient compartment plus 3 cab) test points within 30 minutes. Air conditioning equipment may be in the recirculating mode and all compartment openings, including partition doors/windows, shall be closed. When available, chassis manufacturers interconnection points shall be utilized.

Does your bid comply with this requirement? YES ()NO ()

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8.3.2.1 Air discharge outlets for the patient compartment air conditioner and heater shall be located at the ceiling level above the walk through.

Does your bid comply with this requirement? YES ()NO ()

8.3.3 Ventilation Criteria. Ventilation system(s) of the driver and patient compartments shall provide a complete change of ambient air within each compartment at least every two minutes with the vehicle stationary. Ventilation shall be separately controlled within each compartment. Fresh air intakes shall be located towards the front of the vehicle and exhaust vents shall be located on the upper rear of the vehicle. Exhaust vents may be located on the rear lower half of the module/body, provided the vent/device incorporates a reverse flow damper to prevent backdraft and intrusion of vehicle engine exhaust, dust, dirt, or road spray.

Does your bid comply with this requirement? YES ()NO ()

8.4 Environmental Controls. Adjustable, manual or thermostatically operative controls shall permit heating and/or air conditioning and ventilation in either compartment without affecting the other compartment. Switches and controls shall be located in EMT's panel and/or remote panel and identified for function and operating position. Switches, wiring and control components shall be rated at a minimum of 125 percent of the maximum electrical load of the blower(s) and other components. Blower or fan system shall have at least three speeds (excluding "OFF"). Separate non-corroding brass, bronze, stainless steel, plastic or other inherently corrosion proof shutoff valves, for the patient compartment hot water heating system, shall be provided to allow servicing and shutoff. The use of vacuum operated shutoff valves is acceptable provided the above criteria is met and the valve provides inherent sealing when vacuum is removed. This sealing shall prevent engine cooling system pressure and water pump pressure from causing any leakage when vacuum is removed. Air systems shall have adjustable louvers to direct the flow of air.

Does your bid comply with this requirement? YES ()NO ()

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ADDITIONAL SYSTEMS, EQUIPMENT, ACCESSORIES AND SUPPLIES

9.1 Siren - Public Address System. The ambulance shall be equipped with a "Hands-Free" electronic siren with silent testing. The siren shall have a remote located amplifier that is mounted inside of the front console with the control panel only mounted on the front of the front console.

Does your bid comply with this requirement? YES () NO ()

9.1.1. Two (2) 100 watt speakers shall be installed outside the vehicle in the front OEM bumper.

Does your bid comply with this requirement? YES () NO ()

9.2 Antenna Cable Installation. Shall meet the requirements of paragraph 3.14.3 of Federal Specification KKK-A-1822F. Two (2) shall be routed from the front center of the fiberglass roof. One shall terminate in the front console and one in the action area of the patient compartment. All coax cables are to be labeled and shall have a minimum 72" pigtail at the terminating end.

Does your bid comply with this requirement? YES () NO ()

9.3 Fire Extinguisher: One (1) ABC dry chemical multipurpose, minimum 5 lb. unit in a quick release bracket.

Does your bid comply with this requirement? YES () NO ()

9.4 Backup Alarm. An audible warning device activated when the vehicle is shifted into and/or moving in reverse.

Does your bid comply with this requirement? YES () NO ()

9.5 Grab Rail. There shall be supplied an overhead grab rail located on the compartment's center line to allow immediate access from any location.

Does your bid comply with this requirement? YES () NO ()

9.6 Safety Net. A safety net constructed of 2" nylon straps will be installed at the head of the squad bench. The net shall be anchored to tapping plates welded in the roof structure as well as plates in the side wall and floor. There Net shall be removable with quick-release style latches.

Does your bid comply with this requirement? YES () NO ()

9.7 Oxygen Brackets. Two (2) Ferno model 521 portable oxygen cylinder brackets shall be furnished and installed in the patient compartment.

Does your bid comply with this requirement? YES () NO ()

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9.8 Patient Transport Stretcher. One (1) Ferno ProFlex shall be furnished and installed in the patient compartment.

Does your bid comply with this requirement? YES () NO ()

PREPARATION FOR PAINTING, COLOR AND MARKERS

10.1 Color, Paint and Finish. Ambulance body and all attached equipment exterior surfaces, except polished metal parts, shall be thoroughly cleaned, treated, and coated with a firm primer and preservative with rust inhibiting properties, and painted white to match the OEM chassis. Ferrous metal interior surfaces shall be painted or, when not exposed for painting, shall be treated or coated to resist corrosion. The final film of painted surfaces shall be smooth and uniform, free of grit, streaks, blushing, runs, sagging, blisters, "fish-eyes, "orange peel", pinholes, or other surface irregularities. Exterior finish paint shall not be required on the underbody and inside surface of the body skirting. Color to be solid White.

Does your bid comply with this requirement? YES () NO ()

10.2 Color Standards and Tolerances. Shall be as required by paragraph 3.16.2.1 of Federal Specification KKK-A-1822F.

Does your bid comply with this requirement? YES () NO ()

10.3 Salt Spray Resistance. Shall meet the requirements of paragraph 3.16.2.1 of Federal Specification KKK-A-1822F.

Does your bid comply with this requirement? YES () NO ()

10.4 Markings, Data Plates, Warranty Notice. Shall meet the requirements of paragraph 3.19 of Federal Specification KKK-A-1822F

Does your bid comply with this requirement? YES () NO ()

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QUALITY ASSURANCE PROVISIONS

11.1 Responsibility for Inspection and Tests. The Bidder shall be responsible for the performance of all inspections and test requirements specified herein. The Bidder may use his own or any other facilities suitable for the pre-delivery and acceptance inspections unless disapproved by the purchaser. The purchaser reserves the right to perform any of the inspections and tests set forth in this specification where such inspections are deemed necessary to assure supplies and service conform to the specification and contract. The Bidder shall conform to the purchaser's inspection representatives with instruments and all such assistance as may be required.

11.2 ISO Certification. The ambulance manufacturer shall be ISO 9000:2001 certified. This certification is to guarantee this Agency that the highest levels of quality are maintained throughout the manufacturing process. Such ISO Certification will ensure

1. The manufacturer continually monitors their manufacturing processes to ensure they are producing the best quality product possible.
2. There is a mechanism in place to check outgoing products for defects and then take appropriate corrective action as necessary.
3. That all individual process and the quality system itself is regularly reviewed for effectiveness.
4. Provide a path for and facilitate continual improvement.

A copy of the manufacturer's current ISO certification must be included with the bid response. **Failure to include this documentation will be considered as non-responsive and the bid will be rejected.**

TESTS

12.1. Test Criteria. The Bidder is obligated to prove that the vehicle, ambulance components and equipment offered/provided meet or exceed the requirements of this specification and of compliance to Federal Ambulance Specification KKK-A-1822F and any of its amendments in effect at the time of this bid.

Does your bid comply with this requirement? YES () NO ()

EXCEPTIONS

Listing of Exceptions to Specifications. ANY exception(s) or clarifications taken to the requirements of these specifications shall be explained in full and referenced by paragraph number. Attach an additional page or pages if more space is required.

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