



Carrie Eklund  
Central Services Manager  
Finance Department

**INVITATION TO BID  
FOUR (4) TYPE 1 AMBULANCES  
BID NO.: 1012-F-140**

10/3/12

Name of Bidding Firm: \_\_\_\_\_

Address \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-Mail: \_\_\_\_\_

**Bid Opening Time and Date 11:00 a.m., Local Time, Wednesday, October 24, 2012**

*Bids will be accepted until the specified opening time and date. Any bidder attempting to deliver after the opening time and date will be refused.*

**Mandatory Pre-Bid Meeting 10:00 a.m., Local Time, Thursday, October 11, 2012**

Bid Deposit/Bid Bond: NO

Prevailing Wage NO

Performance Bond: NO

**PLEASE MARK THE RETURN SEALED ENVELOPE:**

1. Bid Opening Date and Time
2. Title of Job
3. Bid Number

**RETURN BIDS TO:**

City of Rockford  
Central Services Manager  
425 East State Street, 4<sup>th</sup> Floor  
Rockford, Illinois 61104  
Telephone: (815) 987-5560

***BIDS SUBMITTED BY FASCIMILE OR E-MAIL WILL NOT BE ACCEPTED***

**BID RESULTS:**

Bid results may be obtained by telephone at (815) 987-5560, by fax at (800) 380-7174. or at [www.rockfordil.gov](http://www.rockfordil.gov)

## CITY OF ROCKFORD, ILLINOIS—BIDDING GENERAL CONDITIONS

1. Pricing. The bidder shall insert price for all bid items and all other information requested in these specifications. The price shall be the *full, delivered cost* to the City of Rockford with no additions.
2. Total versus “Per Item” Awards. The City generally awards contracts based on a lump sum basis to the lowest responsible and responsive bidder. However, the City may choose to award on a per item basis. Therefore, each bidder must submit pricing for each item indicated on the bid forms. Bidders must clearly indicate which items are bid and which are not.
3. Delivery of Merchandise. Delivery terms will always be Freight On Board (FOB)–Destination. The City of Rockford accepts no responsibility for the condition of any merchandise purchased prior to acceptance by City Personnel. Failure to comply with this requirement may constitute rejection of the bid.
4. Acceptance of Merchandise at Delivery. The City of Rockford reserves the right to refuse acceptance of delivered merchandise that differs substantially from the specifications in this invitation to bid or as otherwise permitted by Illinois law.
5. Prompt Payment Act. The City of Rockford intends to comply with the governmental prompt payment act. The awarded vendor will be paid upon submission of invoices to: City of Rockford Accounts Payable, 425 East State Street, Rockford, IL 61104.
6. W-9 Request for Taxpayer Identification Number. Prior to issuance of a purchase order, the successful bidder will be required to supply the City of Rockford with a federal W-9 Request for Taxpayer Identification Number and Certification. Failure to comply with this requirement will be considered a violation of contract terms, for which the City may bar the vendor from bidding for a period of up to three years.
7. Legal Compliance. The vendor awarded this contract will comply with all Federal, State, County, and City laws, ordinances, rules and regulations, which in any manner affect the product or service placed for bid herein. Lack of knowledge on the part of the awarded vendor of applicable law will in no way be cause for release of this obligation. If the City becomes aware of violation of any laws, ordinances, rules and regulations on the part of the awarded vendor, it reserves the right to reject any bid, cancel any contract, and pursue any other legal remedies deemed necessary.
8. Legal Requirements. This contract sets forth the entire final agreement between the City of Rockford and the bidder and shall govern the respective duties and obligations of the parties. The validity of this contract, and any disputes arising from the contract, shall be governed by the laws of the State of Illinois. Any litigation under this agreement shall be resolved in the trial courts of Winnebago County, State of Illinois. Should a provision of this contract be declared invalid by a court of competent jurisdiction, it shall not affect the validity of the remaining provisions of the contract.
9. Safety. Prevention of accidents at any project is the sole responsibility of the awarded vendor and its subcontractors, agents, and employees. The awarded vendor, its subcontractors, agents, and employees shall be fully and solely responsible for the safety of this project. The awarded vendor shall retain exclusive and direct control over the acts or omissions of its subcontractors, agents and employees, and any other persons performing portions of the work and not directly employed by the awarded vendor.

10. Criminal Background Check. When necessary for the protection of citizens and/or City staff, the City may require an awarded vendor to conduct a criminal background check on all of its personnel who will have direct contact with City facilities or residents/businesses served under this contract. Personnel are defined as representatives, agents, employees, subcontractors, or anyone else who will be utilized to fulfill obligations under this contract. Criminal background checks, at a minimum, shall consist of a county level felony and misdemeanor check for each county in which the personnel resided in the last 10 years. The awarded vendor shall notify the City of any of its personnel who have been convicted of a felony or misdemeanor prior to commencing any work under this contract. At the City's discretion, personnel with any felony or misdemeanor convictions which raise a concern about the safety of building, property, or City staff/resident's personal security, or is otherwise job related (as determined by the City) shall not perform work under this contract. Once given notice that a background check(s) will be required, it must be completed within 14 calendar days so as to not delay work to be completed.

11. Control of the Work. With respect to the awarded vendor's own work, the City shall not have contractual, operational, and/or supervisory control over and/or charge of the work and shall not be responsible for construction means, methods, techniques, sequences, procedures, and programs in connection with the awarded vendor's work, since these are solely the vendor's responsibility under the agreement. The City shall not be responsible for the awarded vendor's failure to carry out the work in accordance with the agreement's terms and conditions. The City shall not have control over and/or charge of acts or omissions of the awarded vendor, its subcontractors, and/or their agents or employees, or any other person performing portions of the work not directly employed by the awarded vendor. The awarded vendor shall be considered to be an "independent contractor" pursuant to Illinois law.

12. Bid Bond. When required on the cover sheet, a bid bond for not less than 5 percent of the bid amount must accompany all bids as a guarantee that if the bid is accepted, the bidder will execute and file the proper contract. A bank cashier's check, bank draft, or certified check equal to the amount specified is acceptable in lieu of a bid bond. Bid bonds of the two lowest firms will be retained until the contract is awarded.

13. Performance Bond. When required by the specifications herein, the awarded vendor shall furnish a performance bond equal to the amount of the contract, acceptable to the City, within 14 calendar days after notification of contract award. Failure to furnish the required bond within the time specified may be cause for rejection of the bid and any bid deposit may be retained by the City as liquidated damages and not as a penalty.

14. Taxes. No charge will be allowed for taxes from which the City of Rockford, Illinois is exempt. The City of Rockford, Illinois is not liable for the Illinois Retailers' Occupation Tax, the Service Occupation Tax or the Service Use Tax. The City is exempt from the Federal Excise and Transportation Tax.

15. Withdrawal of Bids. Firms may withdraw or cancel their bids at any time prior to the advertised invitation to bid opening. After the opening time, no bid shall be withdrawn or cancelled. All bids shall be firm and valid for a period of sixty (60) calendar days. If a bidder to whom a contract is awarded refuses to accept the award, the City may, at its discretion, suspend the bidder for a period of time up to three (3) years.

16. Subcontracting. The bidder shall provide information for all subcontractors, leased operators/equipment, and suppliers and all other information requested in the Subcontractor and Supplier Detail Forms attached. Requests for deviations from the completed detail forms submitted must be made in writing, and reviewed and approved by the City's Diversity Procurement Officer and the Central Services Manager or designee. The awarded vendor may not subcontract any portion of the contract after award without written consent of the City of Rockford

Central Services Manager. When subcontractors are used, the awarded vendor is required to pay subcontractors promptly after completion of work. Delay of payment is prohibited.

17. Termination of Contract. The City of Rockford reserves the right to terminate the contract in its entirety or in portions, upon written notice to the awarded vendor, if the Rockford City Council does not appropriate sufficient funds to complete the contract or in the event of default by the awarded vendor. Default is defined as failure of the awarded vendor to perform any of the provisions of this contract or failure to make sufficient progress so as to endanger performance of this contract in accordance with its terms. In the event of default, the City may purchase the product(s) and/or service(s) from other sources and hold the defaulting company responsible for any excess costs occasioned thereby. The City may require payment of liquidated damages for non-performance. Should default be due to failure to perform or because of a request for a price increase, the City reserves the right to remove the firm from the City's bidder list for a period of up to three years.

18. Late Bids and Proposals. Regardless of cause, late bids and proposals will not be accepted and will automatically be disqualified from further consideration. It shall be solely the vendor's risk to ensure delivery at the designated office by the designated time. Late bids and proposals will not be opened and may be returned to the awarded vendor at their request and expense.

19. EEO Forms. Each firm shall be required to submit with its bid information all EEO forms included in the invitation to bid package. Any bid which fails to include the properly completed compliance items will not be read and will not be considered. All subcontractors shall also be required to comply with the same EEO forms as the firm.

20. Restrictive or Ambiguous Specifications. It is the responsibility of the bidding firm to review the invitation to bid specifications and to notify the Central Services Manager if the specifications are formulated in a manner that would unnecessarily restrict competition. Any such protest or question regarding the specifications or invitation to bid procedures must be received by the Central Services Division not less than seventy-two hours prior to the time set for the opening. In the event a contract term is not defined within the contract document, the term will be given its ordinary dictionary definition.

21. Bid Protest. Firms wishing to protest bids or awards shall notify the Central Services Manager in writing within 7 days after the invitation to bid opening. The notification should include the bid number, the name of the firm protesting, and the reason why the firm is protesting the bid. The Central Services Manager will respond to the protest within seven (7) calendar days. A successful protest may result in the reversal of a previously awarded contract.

22. Disputes. In case of disputes as to whether or not an item or service quoted or delivered meets specifications, the decision of the Central Services Manager, or authorized representative shall be final and binding to all parties. The Central Services Manager has the right to waive technicalities as they see fit. The Central Services Manager may request a written recommendation from the head of the department using the equipment or service being procured.

23. Exceptions. Any deviations from these specifications shall be noted and submitted with the bid. Failure to address deviations from specifications may result in bid rejection.

24. Acceptance/Rejection of Bids. The City of Rockford reserves the right to accept or reject any or all bids or proposals at any time, for any reason, including but not limited to the Rockford City Council not appropriating

sufficient funds to purchase equipment or complete the contract. The City may make awards in any manner deemed in the best interest of the City.

25. Prevailing Wage. When indicated on the cover page of this document, this contract calls for the construction of a "public work," within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/.01 *et seq.* ("the Act"). The Act requires awarded vendors and subcontractors to pay laborers, workers, and mechanics performing services on public works projects no less than the "prevailing rate of wages" (hourly cash wages plus fringe benefits) in the county where the work is performed. When required, awarded vendors are responsible for paying current prevailing wage rates, as posted on the Illinois Department of Labor's website at: <http://www.state.il.us/agency/idol/rates/rates.HTM>. It is the awarded vendor's responsibility to verify current wage rates, as they are updated monthly. All awarded vendors and subcontractors rendering services under this contract must comply with all requirements of the Act, including but not limited to, all wage, notice, and record keeping duties.

26. Certified Payroll. All Certified Payroll reports required to be submitted under the Prevailing Wage Act, 820 ILCS 130, must be submitted monthly via email, in Excel or some format compatible with Excel, to [certified.payroll@rockfordil.gov](mailto:certified.payroll@rockfordil.gov).

27. Substance Abuse Prevention. When required by Illinois State Statutes, awarded vendors must have in place and file with the City a written program for prevention of substance abuse among its employees. This program must include pre-hire, random, reasonable suspicion, and post-accident drug and alcohol testing, as required by the Substance Abuse Prevention on Public Works Projects Act.

28. Apprenticeship Requirement. For construction contracts over \$50,000, awarded vendors must participate in apprenticeship and training programs approved and registered with the United States Department of Labor's Bureau of Apprenticeship and Training for all Trades that will be in the awarded vendor's (or his subcontractor's) employment, with each worker receiving the required apprenticeship/training appropriate to his trade. Owners or work performed by owners is not exempt from the apprenticeship and training requirement.

29. Indemnification. To the fullest extent permitted by law, the awarded vendor shall indemnify and hold harmless the City, its officers, representatives, elected and appointed officials, agents, and employees from and against all claims, damages, losses and expenses, including but not limited to attorney's fees, arising out of or resulting from the awarded vendor's performance of work under this agreement, and indemnifies and agrees to defend and hold harmless the City against any and all losses, claims, damages, and expenses arising from the work performed hereunder of the erection, construction, placement, or operation of any scaffold, hoist, crane, stay, ladder, support, or other mechanical contrivance in connection with such work including but not limited to losses, claims, damages, and expenses arising pursuant to claims asserted against the City pursuant to theories premised upon section 414 of the Restatement (Second) of Torts and section 343 of the Restatement (Second) of Torts.

This indemnification agreement shall not be limited in any way by any limitations on the amount or type of damages, compensation, or benefits payable by or for the awarded vendor under Worker's Compensation Acts, disability benefit acts, or other employee benefit acts, and serves as an express agreement to waive the protection of *Kotecki v. Cyclops Welding Corp.*, 146 Ill.2d 155, 585 N.E.2d 1023 (1991) in Illinois.

Further, the awarded vendor agrees that it is solely responsible for compliance with all safety laws applicable to the work performed hereunder, including but not limited to the Occupational Safety and Health Act of 1970 and the Construction Safety Act of 1960 and all standards and regulations which have been or shall be promulgated by the agencies which administer the Acts.

Under no circumstances shall the awarded vendor, its subcontractors, agents, and employees be required to indemnify the City for its own negligence.

30. Officers. Each bidder affirms, by submission of a response to this bid or request for proposals, that no officer of the City of Rockford, Illinois, is directly or indirectly interested in the proposal for any reason of personal gain.

31. Non-Waiver. The failure by the City to require performance of any provision shall not affect the City's right to require performance at any time thereafter, nor shall a waiver of any breach or default of this contract constitute a waiver of any subsequent breach or default or a waiver of the provision itself.

32. Professional Services Selection Act. The City of Rockford intends to comply with 50 ILCS 510/5 governing the selection of professional services. Any reference in these terms and conditions to supplying pricing or price as a determining factor in selection do not apply for services covered by said act.

33. The City of Rockford reserves the right to accept or reject any and all proposals and to waive technicalities in submitted bids.

**BID REQUIREMENTS FOR  
EQUAL EMPLOYMENT OPPORTUNITY**

All bidders seeking to do business with the City of Rockford are **REQUIRED** to submit with any formal, sealed bid all of the following documents and information, attached herewith, completed and signed:

1. Equal Employment Opportunity Affirmative Action Plan Statement of Policy.
2. The Statement of Non-Compliance and Certificate of Non-Segregated Facilities.
3. The Contractor or Vendor Workforce Data Form listing all current employees, by classification, directly employed by the bidder. All categories of information requested must be supplied.  
*Note: The number of employees must be entered under each category (no check marks)*

Below are the Federal definitions of the following racial groups accepted as minorities by the City of Rockford:

Black: A person having origins in any of the Black racial groups of Africa, not of Hispanic origin.

Hispanic: A person of Spanish or Portuguese culture with origins in Mexico, South or Central America, or the Caribbean Islands, regardless of race.

Asian: A person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands. This area includes for example, China, Japan, Korea, the Philippine Republic and Samoa.

American Indian or Alaskan Native: A person having origins in any of the original peoples of North America.

4. Your State of Illinois Pre-Qualification Certification Number, issued by the Illinois Department of Human Rights for the Illinois Department of Human Rights Act, must provide expiration date entered in the place provided therefore.
5. Certificate of Non-Barred Bidding
6. All executed Subcontractor/Leased Operator and Supplier forms.

**If you have not obtained your State of Illinois Pre-Qualification Number (item #4), by signing these documents you agree to make application for this number within 30 days from the date of bid opening.**

***ANY BID WHICH FAILS TO INCLUDE THE CITY OF ROCKFORD EEO PAGES 2, 4, AND 5, COMPLETED AND SIGNED WITH YOUR SEALED BID WILL NOT BE READ AND WILL NOT BE CONSIDERED – NO EXCEPTIONS.***

Falsification of any required Equal Employment Opportunity or Affirmative Action information on the part of the bidder could result in rejection of the bid submitted or in the case where a contract has already been awarded, in the cancellation of said contract.

Any questions pertaining to E.E.O. requirements should be addressed to Ron Moore, Diversity Procurement Officer, Legal Department, 425 East State Street, Rockford, Illinois 61104, Phone: (815) 987-5622 or [ron.moore@rockfordil.gov](mailto:ron.moore@rockfordil.gov)

**EQUAL EMPLOYMENT OPPORTUNITY**  
**AFFIRMATIVE ACTION PLAN**  
**STATEMENT OF POLICY**

It is the policy of this company, \_\_\_\_\_  
to provide equal employment opportunity without regard to race, religion, color, national origin, handicap,  
age or sex through a program of positive action affecting all employees. In this program, our company  
carries out the requirements of Federal Executive orders 11246 and 11375, Civil Rights Act of 1964,  
Equal Employment Act of 1972, and all other applicable laws, and indicates its active support of the  
principle of equal opportunity in employment.

At present, \_\_\_\_\_ % of our work force are minorities and \_\_\_\_\_ % of our work force  
are females, and we will attempt to utilize minorities and females through a positive, continuing program  
in all jobs for which we contract in the future. Our company will utilize referrals from the City of  
Rockford's Diversity Procurement Officer for use of minorities and females regarding any future job  
vacancies.

It is also our intent to make efforts to purchase supplies or equipment from small business concerns  
located in the City of Rockford or counties of Winnebago or Boone and owned in substantial part (at least  
51 per cent) by minorities or females.

\_\_\_\_\_ is the official who will be responsible for implementing  
this policy statement.

\_\_\_\_\_ will be designated as the Equal Opportunity Officer in  
our company, responsible for submission of all required equal employment opportunity documents.

In addition, \_\_\_\_\_ is hereby authorized to sign payroll as well as  
this company's officers. (NOTE: If only officers will be authorized to sign payrolls, please fill in "No One"  
in this space.)

## **STATEMENT OF NONCOMPLIANCE**

If the equal employment opportunity hearing committee determines that a contractor, subcontractor/leased operator of equipment or bidder is not in compliance with this chapter, (also known as Chapter 11, Article III the City of Rockford Equal Opportunity Employment Ordinance), the hearing committee shall issue and serve upon such person a written statement of noncompliance setting forth the manner in which it finds such person has violated this chapter, and imposing and/or requiring appropriate sanctions, including, but not limited to any and/or all of the following:

- a. Denying, suspending or revoking qualifications, or declaring the contractor or subcontractor irresponsible and ineligible for future contracts or subcontracts until such time as the contractor or subcontractor shall demonstrate to the equal employment opportunity hearing committee that it is in compliance;
- b. Withholding or delaying payment on the contractor or;
- c. Suspending, avoiding or canceling contract work.

## **CERTIFICATION OF NON-SEGREGATED FACILITIES**

The bidder certifies that he/she does not maintain or provide for his/her employees any segregated facilities at any of his/her establishments, and that he/she does not permit his/her employees to perform their services at any location, under his/her control, where segregated facilities are maintained. The bidder agrees that a breach of this certification will be a violation of the Equal Opportunity clause in any contract resulting from acceptance of this bid.

The bidder agrees that (except where he/she has obtained identical certification from proposed subcontractors/leased operators of equipment for specific time periods) he/she will obtain identical certification from proposed subcontractors/leased operators of equipment from the provisions of the Equal Opportunity clause, and that he/she will retain such certification in his/her files.



**CERTIFICATE OF NON-BARRED BIDDING**

The undersigned certifies that it is not barred from bidding on this contract as a result of a conviction for the violation of State laws prohibiting bid rigging or bid rotating. The undersigned also certifies that current or prospective employees, contractors, and subcontractors/leased operators of equipment are not listed as Excluded Individuals/Entities with the US Government, as maintained by the US General Services Administration.

By signing below, the firm agrees that all information provided in the previous pages is accurate, and that if the firm below does not currently have a Department of Human Rights number they will apply for one within thirty days with the State of Illinois.

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

\_\_\_\_\_  
Title

\_\_\_\_\_  
Firm

Our firm is a:

Minority Business Enterprise	_____	City-Certified?	Yes	_____	No	_____
Women Business Enterprise	_____	City Certified?	Yes	_____	No	_____
Neither	_____					

(Revised 12/21/09)

## Four (4) Type 1 Ambulances

RFP No.: 1012-F-140

### 1.0 **General Scope.**

It is the intent of the City of Rockford Fire Department to purchase four (4) Type I ambulances and to acquire services for a non-bank qualified, tax exempt municipal lease. These specifications cover the furnishings and the delivery to the purchaser of four (4) complete and soundly engineered apparatus equipped as herein specified.

### 2.0 **General Requirements.**

- 2.1 **Bid Evaluation.** Bids will be evaluated based on total bid price and the ability of the bidder to comply with specifications.
- 2.2 **Basis of Award.** The contract will be awarded to the lowest responsive and responsible bidder on the base price of the ambulance.
- 2.3 **Bid Proposals.** Each bidder should submit one (1) original and five (5) copies of the bid proposal.
- 2.4 **Contact.** The contact person for any questions regarding this bid is Anne Wilkerson, Financial Analyst, at [anne.wilkerson@rockfordil.gov](mailto:anne.wilkerson@rockfordil.gov) or 815-987-5741.
- 2.5 **Mandatory Pre-bid Meeting.** A **mandatory** pre-bid meeting will be held Thursday, October 11, 2012 at 10:00 am at City Hall, 425 E State St. Vendors should proceed to the second floor, the meeting will be held in Council Chambers. Each bidder intending to submit a bid for this work must have a representative of the firm in attendance at the meeting or the bid will not be read.
- 2.6 **References.** Provide a list of at least three (3) previous customers of fire departments similar in size with populations over one hundred thousand, with phone numbers at the pre-bid meeting.
- 2.7 **General Specifications.** Each bidder must make accurate statements in their bid as to weight, height, wheelbase, and all other principal dimensions. They shall specify the safe maximum operating RPM and highway speed for which the engine is designed. The bidder shall also furnish satisfactory evidence of their ability to construct the apparatus as specified and shall state the location of the factory where the apparatus will be built.
- 2.8 **Patent Liability.** The contractor shall defend any and all suits and assume all liability for any and all claims made against the City of Rockford, or any of its officials or agents, for the use of any patented process, device, or article forming a part of the apparatus or any appliance furnished under this contract.
- 2.9 **Specifications Deficiency.** Five (5) percent of the total bid will be held back on payment for a maximum of thirty (30) days or until a complete inspection of the vehicle can be made to insure all specifications have been met. If specification deficiencies exist, payment for the repair, replacement or other work needed will be deducted from this amount as agreed by the Rockford Fire Department and the contractor. The contractor may do whatever is necessary to meet specifications in a timely manner. In all cases, this five (5) percent will be held until specifications are met.

- 2.10 Performance Tests. The following road tests will be performed to ensure the apparatus complies with these specifications before the vehicle will be accepted by the Rockford Fire Department.
- 2.10.1 Road Test. A road test will be conducted by the successful bidder with the apparatus fully loaded and a continuous run of ten (10) miles or more will be made under all driving conditions, during which time the apparatus shall show no loss of power or overheating. The transmission, drive shaft(s), and rear axles shall run quietly and be free from abnormal vibration or noise throughout the operating range of the apparatus.
  - 2.10.2 Weight Certificate. The successful bidder shall furnish a weight certificate showing weight on the front axle, rear axle, and total weight for the completed apparatus at time of delivery.
  - 2.10.3 Acceleration. The apparatus must be capable of accelerating to 35 MPH from a standing start within eight (8) seconds on a level concrete highway without exceeding the maximum governed RPM of the engine.
  - 2.10.4 Brakes. The service brakes shall be capable of stopping a fully loaded vehicle in 25 feet at 20 MPH on a level concrete highway.
  - 2.10.5 Speed. The apparatus, fully loaded, shall be capable of obtaining a minimum speed of 65 MPH on a level concrete highway with the engine not exceeding 95% of its maximum RPM.
  - 2.10.6 Payload. The apparatus shall have a minimum payload of 4,000 pounds.
  - 2.10.7 Number of Tests. In the event the apparatus fails to meet the test requirements of these specifications on the first trial, a second trial may be made at the option of the contractor within thirty (30) days of the first trial.
  - 2.10.8 Finality of Trials. The road tests shall be final and conclusive. Failure to comply with changes the City may consider necessary to conform to any clause of the specifications within thirty (30) days after notice is given to the contractor of such changes, shall be cause for rejection of the apparatus. Permission to keep or store the apparatus in any building owned or occupied by the City or its use by the Fire Department during the above-specified testing period, with the permission of the contractor, shall not constitute acceptance of the apparatus.
- 2.11 Construction of Apparatus. The construction of the vehicle shall conform to the following standards.
- 2.11.1 Operating Design. The design of the apparatus must embody the latest approved automotive engineering practices. The apparatus shall be designed and the equipment mounted with due consideration to distribution of the load between the front and rear axles, so that all specified equipment, including personnel, will be carried without damage to the apparatus. Weight balance and distribution and design shall be in accordance with the commendations of the International Association of Fire Chiefs, National Fire Protection Association, American Insurance Association, Illinois D.O.T., and current Federal Ambulance Specification KKK-A-1822-F, except where additions and/or exceptions are listed.
  - 2.11.2 Illinois Manufacturers List. **The ambulance must, on the date that it is delivered, be on the approved list of ambulances for use in the State of Illinois as designated by the Illinois Department of Public Health, EMS Division.** It shall be up to the manufacturer to make sure

that they are in good standing on the list with the make and model the City is ordering. **If at the time of delivery the manufacturer is not listed on the approved list, we will not accept the ambulance and no payment will be made. No exceptions.**

2.11.3 Quality. The workmanship must be of the highest quality in its respective field. Special consideration will be given to the following points: Accessibility of the various components which require periodic maintenance operations, ease of operation, and symmetrical proportions.

2.11.4 Minor Construction. Minor details of construction and materials are to be according to standard practice and unless otherwise specified, shall be left to the discretion of the manufacturer. The manufacturer shall be solely responsible for the design and construction of all features.

2.12 Warranty. The apparatus will come with the following warranty specifications.

2.12.1 Basic Warranty. The Contractor must warrant the apparatus to be free from defects in workmanship and materials under normal use and service. This warranty is limited to making good on any part or parts thereof, including all equipment or trade accessories (except tires, storage batteries, electrical lamps, and other devices subject to normal deterioration supplied by the manufacturer). The contractor shall provide a one-year (1) warranty that covers the complete vehicle and shall include any and all costs for labor and parts that are required to correct any and all deficiencies. The one-year warranty period begins when the Fire Department places the vehicle in service.

2.12.2 Structural Components. A fifteen (15) year warranty on modular structural components shall be furnished.

2.12.3 Company Warranty. The following warranty is to be furnished with each bidder's proposal and printed on Company form: "We warrant each new custom designed ambulance to be free from defects in material and workmanship under normal use and service. Our obligation, under this warranty, is limited to repairing or replacing, as the company may elect, any part or parts thereof which shall be returned to us and as to which examination shall disclose to the company's satisfaction to have been defective, provided that such part, or parts shall be returned to us not later than one year after acceptance of such vehicle. Such defective part or parts will be returned or replaced free of charge for removal and installation to the original purchaser with the following exceptions:

2.12.3.1 Normal maintenance services or adjustments.

2.12.3.2 Any vehicle repaired or altered outside of our factory in any way so as, in our judgment, to affect its stability, or which has been subject to misuse, negligence, or accident, or to any vehicle made by us which shall have been operated at a speed exceeding the factory rated specifications or loaded beyond the factory rated load capacity.

2.12.3.3 Commercial chassis and associated equipment furnished with chassis, signaling devices, generators, batteries, or other trade accessories in as much as they are usually warranted separately by their respective manufacture.

- 2.12.4 Specific Warranty. This warranty is in lieu of all other warranties, expressed or implied, all other representations to the original purchaser and all other obligations or liabilities, including liability for incidental or consequential damages on the part of the company's behalf unless made or assumed in writing by the company.
- 2.12.5 Loaner Program. The successful bidder will incorporate a loaner program while ambulance is undergoing repairs greater than sixty (60) days due to warranty or workmanship issues.
- 2.13 Service Facility. Bidder must have a service facility located within a 75 mile radius of 2323 Sawyer Road, Rockford, IL 61109.
- 2.14 Descriptive Materials. Materials that will assist the Fire Department in determining the exact quality, design, and appearance of the apparatus shall accompany the bid. Examples include plans, drawings, photographs, diagrams, illustrations, written descriptions, and manufacturer's literature.
- 2.15 Construction. Construction must be rugged and ample safety factors must be provided to carry loads as set forth under "Performance Test".
- 2.16 Previous Customers. All bidders are to provide a list of previous sales and phone numbers of 74" high headroom units on a large chassis in the Rockford and Chicagoland area.
- 2.17 Travel Allowance. The contractor shall furnish three all-expense paid trips for three people to visit the manufacturer's facility. The first will be for pre-build, the second when the apparatus is painted and all major construction is completed but before any striping is applied and one when the unit is complete and ready for delivery. This way if any defects are noted, they can be corrected before the delivery of the vehicle. Adequate notice shall be given for these trips. The successful bidder will pay for transportation, hotel, and meals.

### **3.0 Delivery Requirements**

- 3.1 Delivery Promise. The City desires delivery of the ambulance complete with all equipment to be furnished within **one hundred twenty (120)** days from the date of award. Any unreasonable delivery proposal may be cause for disqualifying a bid. Each bidder shall state his delivery promise on the Bid Form. The ambulance and all loose equipment shall be delivered on or before **one hundred twenty (120)** calendar days from the date of award.
- 3.2 Speed of Delivery. It is understood that time is of the utmost importance and that delivery of the ambulance/equipment by the delivery date is an essential part of these specifications. The vendor's plea that insufficient time was specified is not a valid reason for an extension.
- 3.3 Delivery Terms. The vehicle will be delivered FOB to the City of Rockford, 2323 Sawyer Road, Rockford, Illinois, 61109.
- 3.4 Unforeseen Delivery Delays. Only when a delay occurs due to unforeseen causes beyond the control and without fault or negligence of the vendor, due to "ACTS OF GOD", acts of the public enemy, epidemics, strikes, lockouts or freight embargoes, the time of delivery may be extended in whatever amount is determined by the City to be equitable. No extension of time shall be granted for any other reason.

- 3.5 "ACT OF GOD". An "ACT OF GOD" means an earthquake, flood, cloudburst, tornado or other phenomena of nature beyond the power of the contractor to foresee or to make preparation in defense against. Rain, a windstorm, or other natural phenomena of normal intensity, based on US Weather Bureau reports for the particular locality and for the particular season of the year, shall not be construed as an "ACT OF GOD" and no extension of time shall be granted for the delays resulting there from.
- 3.6 Procedure for Extensions. No extension of time on account of delay due to unforeseen causes shall be granted if written application is not filed by the contractor with the City, setting forth the reasons which the contractor believes will justify the approval of the request for an extension. Such a written request may not be made after the specified delivery date. After the vendor has filed a request for an extension of time, the City will notify the contractor, in writing, whether or not such extension will be approved. If approved, the extended date for the delivery of the ambulance/equipment shall then be considered as in effect the same as if it were the original date for delivery of the ambulance/equipment.
- 3.7 Failure to Deliver Apparatus on Time. Should the contractor fail to deliver the ambulances/equipment on or before the delivery date stipulated in the bid, or within such extended time as may have been allowed per above clause, the vendor shall be liable to the City in the amount of **\$50.00** per calendar day as liquidated damages, for each day of overrun in the delivery time or such extended time as may have been allowed. The daily **\$50.00** charge shall be made for every calendar day shown on the calendar beyond the specified delivery date and that these liquidated damages shall be deducted from the amount due to the contractor.
- 3.8 Transportation of Apparatus. The vehicle, to insure proper break-in of all components while still under warranty, shall be delivered under its own power. Rail or truck delivery is not acceptable. A qualified delivery engineer representing the contractor shall deliver the vehicles and remain in the City of Rockford a sufficient length of time to instruct the Fire Department personnel in the proper operation, care and maintenance of the equipment delivered.
- 3.9 Vehicle Condition upon Arrival. The vehicle shall be complete and operational when delivered to the Rockford Fire Department. All devices, equipment, accessories, and lighting shall be complete, finished, and fully functional upon delivery. Deviations from these specifications shall not be tolerated and will be cause for rejection of apparatus unless they were originally listed in the bidders proposal or approved (in writing) by the City of Rockford Fire Department at a later date.
- 3.10 Miscellaneous. At the time of delivery, the manufacturer's representative shall explain the use and operation of the new vehicle(s) and provide an owner's manual for the complete vehicle. The manual shall contain useful information on routine maintenance and trouble shooting. All warranty registration materials shall be completed and explained at the time of delivery. The manufacturer shall arrange for over the road delivery under the finished vehicle(s) own power. The vehicle(s) shall be delivered clean and free of road debris with at least fifty percent fuel on board.
- 3.11 Training. Successful bidder shall provide two days of training to fire personnel.

#### **4.0 Detailed Specifications.**

- 4.1 Base Vehicle Requirements. The vehicle will be a Type I ambulance. The cab/chassis requirement of this specification is a 2013 model year, Super Duty Ford F-450, 4X4 drive train, dual rear wheel ambulance chassis. The chassis will also be upgraded to the Ambulance Prep Package (Code 47A). F36 regular cab 189" wheel base XLT.

- 4.2 Floor Plan. The floor plan, as shown on the attached drawings, will have provisions for a two man elevating cot. The cot will be fastened in the center of the floor and allow for walk around capabilities.
- 4.3 Curb Weight. Not to exceed 70% of gross vehicle weight rating.
- 4.4 Payload Allowance. 4,000 pound minimum.
- 4.5 GVWR. 16,500.
- 4.6 Wheel Base. 189" minimum.
- 4.7 Cab-To-Axle. 108".
- 4.8 Maximum Overall Length. 25 feet. No Exceptions.
- 4.9 Maximum Height. 9 feet 6 inches. No Exceptions.
- 4.10 Engine. 6.7 L OHV Power Stroke Diesel V8 (99P), with SAE net HP 325 @ 2000 RPM, and SAE net Torque of 570 foot pounds @ 2000 RPM.
- 4.11 Fuel System. A single fuel tank with a capacity of not less than 40 gallons shall be mounted aft of the rear axle. Tank shall be equipped Ford OEM fuel/water separator.
- 4.12 Cooling System. To be heavy-duty, Ford OEM. Antifreeze shall be equipped to handle minus thirty (30) degrees Fahrenheit. No engine block heater shall be provided. All cooling hoses are to be silicone.
- 4.13 Transmission. Heavy Duty TorqShift 5-Speed with automatic overdrive.
- 4.14 Front Axle. Mono-beam, non-independent front suspension, 7,000 LB. capacity with heavy-duty shock absorbers, coil springs, and front anti-roll bar.
- 4.15 Front Springs. 7,000 LB. capacity.
- 4.16 Rear Axle. Axle shall be single, 11,000 LB. capacity with 4:10 gear ratio. Rear axle will have an anti- sway bar.
- 4.17 Rear Suspension. Shall be Kelderman air, 12,000 LB. capacity with dual height control valves. Unit shall have dash mounted dump valve and also a dump valve control by opening the left rear door to patient compartment. An override switch for the left rear door dump shall be mounted on back wall inside right patient compartment door. This will provide the ability to open both doors and prevent air ride dump.
- 4.18 Brakes. Brakes shall be four wheel disc with front and rear vented discs. Parking brake shall be a foot operated pedal with dash mounted warning light.
- 4.19 ABS Brakes. The apparatus shall be equipped with ABS braking system with diagnostic coding.
- 4.20 On Board Air Compressor. An onboard, make up air compressor shall be furnished and wired into the one hundred twenty volt shoreline. (See section 4.32.8 )

- 4.21 Steering. Shall be hydraulic power-assist re-circulating ball steering, with tilt.
- 4.22 Wheels. Dual rear wheels to be furnished. All rims shall be 19.5" x 6.00" aluminum.
- 4.23 Front Tires. 225/70SR-19.5 BSW steel belted all season radials.
- 4.24 Rear Tires. 225/70SR-19.5 BSW steel belted all season radials.
- 4.25 Spare Tire. 225/70SR-19.5 BSW steel belted all season radial. Spare wheel to be furnished shall be a steel rim and shipped loose.
- 4.26 Hub Caps. Will be included with aluminum rims. Center covers for front wheels and high tops for rear wheels.
- 4.27 Engine Hood. Engine hood shall be hinged from the rear for access to engine and accessories for servicing. It will also be sloped to provide as much visibility in front of the vehicle as possible. A service light will be included under hood.
- 4.28 Pass Through. Access between cab and patient compartment shall be furnished with a port hole style opening with bellows type surround connecting cab to patient compartment.
- 4.29 Front Bumper. Front bumper to be chrome plated steel full width, aerodynamic, and shall have front tow hooks.
- 4.30 Rear Bumper. Rear bumper to be heavy duty folding type and it shall be fastened directly to the frame of the vehicle. Rear bumper shall pivot to disappear into the rear of the vehicle when lifted up. Hinged fold up type is not acceptable. Bumper shall have dock blocks on each side.
- 4.31 Rust Proofing. Ziebart or equal before being delivered.
- 4.32 Electrical System. The electrical system will comply with the following specifications:
- Unit shall have dual 130 amp alternators installed in vehicle.
  - Unit shall have a factory two (2) battery systems, 78-AH 750-CCA installed.
  - Unit shall have a volt meter and amp meter installed in center console (digital reading).
- 4.32.1 Ejector Plug. One (1) outside 120-volt AC **20 AMP Kussmaul** shoreline receptacle with an automatic cord ejector. To be energized with the ignition switch and located on side of box. Location of the electrical compartment will be determined during pre-build meeting. **No exception on brand.**
- 4.32.2 DC Receptacles. Four (4) 12 VDC 20 AMP cigarette type plugs in receptacles shall be mounted at the action deck in lower right corner.
- 4.32.3 Receptacle to Charge Portable Suction. There shall also be installed two (2) 12 VDC receptacle located in the top right rear of the ALS compartment. This is to be used to charge the portable suction unit and will fit the "Sscort" suction unit listed in appendix "A". See drawing.

- 4.32.4 AC Receptacles. Three (3) three-wire 120-volts, 20 amp, duplex receptacles are to be provided. **One (1) on the action wall** next to the 12 VDC plugs, **one (1) in the upper right corner of the ALS compartment** beside 12 VDC plug for suction unit, and **one (1) on the wall behind the cardiac monitor mount**. Receptacles are to be marked, "Shoreline".
- 4.32.5 Alternator. The alternators and electrical system shall be capable of supplying 100% of the DC electrical current requirements of the ambulance. The alternators installed will be dual 130-amp minimum (Code 63T)
- 4.32.6 Battery. Two (2) heavy-duty 12-volt, Motorcraft, 78 AH, 750 CCA. Batteries shall be top mounted screw post type. Clamp on terminals on battery cables will not be allowed. All wire connections shall be appropriately color-coded.
- 4.32.7 Battery Location and Switching. Batteries shall be placed on a pull out shelf located on the passenger side of the patient compartment, aft of the patient compartment side entry door.
- 4.32.8 Battery Conditioner. An on board charger/conditioner shall charge all batteries simultaneously and wired directly to the 120-volt shoreline. Unit shall be Kussmal Model 091-187-12-Remote. This charger is rated at 20 amps w/remote bar graph charge indicator mounted in a sealed unit and a 120 vac air compressor. Conditioner shall be mounted, high inside, on the front wall of the center compartment, left side where it will be protected from moisture and dirt. A ventilated protective cover shall protect it from being hit with equipment or the connections shorted out. **No exception on brand. Will discuss at pre-build.**
- 4.32.9 Radio Interface Suppression. All equipment furnished will be suppressed from radio interference on both VHF and UHF frequencies.
- 4.32.10 Antenna Cable Installation. Two (2) Coaxial cable (RG58/U high quality cable) routings. Routing #1 shall be furnished and end in the middle of the driver's compartment and shall have three (3) feet of cable coiled behind the action wall. Routing #2 shall end in the patient compartment and shall have three (3) feet of cable coiled behind the action wall. Antennas shall be ¼ wave and mounted on the roof of the truck cab. A customer supplied computer antenna will be provided by the Rockford Fire Department for installation on the truck cab roof, and terminate between the two front seats.
- 4.32.11 Wiring. Wiring shall terminate in insulated crimp on connectors. Three (3) additional 20 amp circuit breakers are to be furnished and wired "hot" for their capacity. Minimum wire size to be 12 gauge. All wiring shall be marked with use and circuit number every four (4) inches. All ground wires in the aluminum box shall have hard-wired grounds and not grounded to the box.
- 4.32.12 Circuit Termination. All electrical circuits will be terminated when the ignition switch is in the off position except the 12 VDC connectors and the 110 VAC shoreline receptacles. The 12 VDC receptacles shall be hot all the time and the 110 VAC receptacles shall be hot when shoreline is plugged in.
- 4.32.13 All DOT and compartment lights shall be LED.
- 4.33 Cab Body Provisions. The cab body shall conform to the following specifications.

- 4.33.1 Dome Light. Standard dome light shall have an override switch.
- 4.33.2 Windshield Wipers. Multi-speed wipers and washers with intermittent cycle.
- 4.33.3 Radio. AM/FM radio, with single CD and mp3 decoding, and clock.
- 4.33.4 Visors. Padded sun visors on both sides.
- 4.33.5 Windows. All windows shall have tinted glass.
- 4.33.6 Seats. Driver and passenger seat to be high back with vinyl cover with arm rests.
- 4.33.7 Floor Mats. Black rubber floor mats with insulation and **a loose set of floor mats shall also be provided.**
- 4.33.8 Heater. Heater to be optional heavy-duty hot water and with dual defrosters. All hoses shall be silicone.
- 4.33.9 Air Conditioner. Air conditioning compressor of sufficient capacity to cool the cab and patient compartment in hot weather.
- 4.33.10 Interior Color. Interior color to be gun metal gray.
- 4.33.11 Grab Handles. Exterior grab handles (one on each side).
- 4.33.12 Standard Equipment. Plus any OEM equipment that is furnished standard.
- 4.33.13 Throttle Control. Electric high idle throttle control to be furnished. The throttle control shall engage automatically when the transmission is in neutral and park position. It shall disengage when the transmission is placed in gear, or the parking brake is released. **Brand shall be Kussmaul or equivalent.**
- 4.33.14 Mirrors. Shall be firmly secured, vibration-less rear view mirrors **with heat**. The mirrors shall be OEM, manually telescoping trailer tow, with integrated clearance lights and turn signal, and two-way fold. **Both driver and passenger side mirror shall be remote controlled.**
- 4.33.15 Air Horn. Two (2) Buell Emergency Vehicle System Stutter air horns mounted in front bumper. Horns will be mounted horizontal. Horns will be controlled via a horn/siren switch on a switch panel. When in the horn position, air horn shall work from the vehicle horn button on the steering wheel. Horn shall also operate from a floor switch on the passenger side that is operable at all times. Horns shall be operated from an air supply that is capable of supplying the system for 100% operation. Unit shall not have factory installed electric horn. An additional air tank for the air horn is acceptable. **No exception on brand or how it is connected.**
- 4.33.16 Air System. Compressor shall be Ford OEM and shall sufficiently supply all required pressure for air operated systems. Air tanks of sufficient size to supply the air horns, and air ride suspension shall be provided. Air system shall have dash mounted air gauge with audible low air warning buzzer and light.

- 4.33.17 Compartment Alert Lights. One (1) large red flashing or rotating warning lamp shall be **dash mounted** (in the driver's driving vision) to indicate any open exterior compartment doors.
- 4.33.18 Map Light. One (1) long (18" minimum) gooseneck map lamp to be installed on the passenger side dash. The ignition switch shall control power to the light. Short gooseneck lamps are not acceptable.
- 4.33.19 Power Door Locks. Power door locks shall be furnished on all patient compartment doors, cab doors, and outside compartments (except electrical door will be a keyed lock only). There shall be a power lock control switch located in the area of the action deck and the front door switches shall operate the patient compartment door locks. A switch to unlock the doors shall be provided under the hood or other Department approved area in case doors are accidentally locked with the keys inside. **Cab auto lock feature to be disabled.**
- 4.33.20 Rear view mirror. A rear view mirror shall be provided.
- 4.33.21 Mud flaps. Mud flaps shall be installed on the rear.
- 4.33.22 Additional Power Source. Three (3) 12 VDC 20 amp receptacles shall be installed in the front crew cab. They will be ignition and shoreline hot.
- 4.34 Instruments. Instruments shall conform to the following specifications.
- 4.34.1 Volt Meters. One (1) illuminated voltmeter and one (1) amp meter shall be mounted on center console within view of the driver. Units shall be digital reading.
- 4.34.2 Hour Meter. One (1) engine hour meter shall be furnished and dash mounted.
- 4.34.3 Indicator Meters. Oil pressure, ampere meter, and temperature gauges are to be furnished. Indicator lamps will not be accepted. Tachometer, turbocharger/supercharge, and transmission temperature gauges shall also be provided.
- 4.34.4 Warning Indicators. Low oil pressure, high water temp, low air warning indicators (both light and buzzer) shall be provided. No auto shutdown will be incorporated with these warning indicators.
- 4.34.5 Exterior Lighting Switches. All exterior lighting switches and meters including siren must be mounted directly in the original dash using diamond logic wiring or in a fabricated panel that does not block the vision of the driver or passenger. In addition, it shall not take up a large amount of floor space. Bidders must submit drawing of control console with bid.
- 4.34.6 Ignition Override. A device will be installed to allow the ignition key to be removed from the ignition and allow the vehicle to remain running. This same device will not allow the vehicle to be moved until the key has been re-inserted into the ignition.
- 4.35 General Body Construction. The following specifications apply to the body of the vehicle.
- 4.35.1 Hinges. All hinges provided shall be stainless steel and have a 3/16" minimum hinge pin. All exterior door hinges shall have rubber seals between the hinge and the hinge support.

- 4.35.2 Latches. All latches provided shall be of the paddle slam type with striker pins top and bottom. Note: All are to have electronically controlled locks as specified in "Cab Body Provisions".
- 4.35.3 Doors. The door construction method and material will be the same as the body structure. The outer door skin shall be an edged channel formed to provide a minimum 1-1/2" thick door. All exterior doors and compartments shall close with complete watertight integrity. All entry and compartment doors shall be insulated. **(Interior panel of door shall have a suitable access panel to gain access to latch assembly.)**
- 4.35.4 Compartment Lighting. All exterior compartments shall include sufficient illumination (LED). The control for such lighting shall be individual and automatic with the opening of the door.
- 4.35.5 Modular Dimensions. The rear module shall be all aluminum modular body, 172" long minimum, and a minimum of 95" wide and 74" high. Width between wheel wells should be 50" minimum.
- 4.35.6 Framing. The structural framing shall be all aluminum.
- 4.35.7 Modular Body. All doors shall be flush mounted. The modular body shall be capable of being removed and placed on another chassis.
- 4.35.8 Modular Body Attachment. The body shall be attached using Grade 8 bolts with a minimum of 5/8" in diameter. A minimum of four (4) bolts will attach to each side of the frame rail.
- 4.35.9 Side Wall Construction. All side wall framing shall be constructed of 2" by 2" by .125" 6063-T extruded aluminum tubing. It shall be covered with .125" 5052-H32 aluminum skin. The skin shall be welded to the structural members.
- 4.35.10 Rain Gutters. Shall have rain gutters along the front, sides, and rear. Aluminum drip rails also to be located above all lower compartment hinges.
- 4.35.11 Interior Surfaces. Ceiling headlining may not be of vinyl upholstery material.
- 4.35.12 Insulation. Shall be hot weather package, with a minimum of 1" polystyrene applied to the roof, sidewalls, and appropriate under floor insulation (patient compartment). Roof of modular body shall be painted with reflective white paint.
- 4.35.13 Environmental Controls. Shut-off valves for hot water heat system shall be furnished. Valves shall be manual in-line 1/4 turn mounted under the hood for ease of access.
- 4.36 Outside Compartments. Any outside compartments shall be spray lined to protect the equipment stored within and reduce the noise from the equipment touching the insides of the compartments. This will include the floor, walls and ceiling of the compartment. The liner shall be a durable rubber coating such as, but not limited to, Rhino Spray or Duraliner. All outside compartments shall comply with the following specifications (see drawings). Each compartment will be illuminated with LED rope lighting, or the equivalent of such.

- 4.36.1 Oxygen Compartment, Left Front. One (1) compartment located on driver's side front, sized approximately 84" high by 17" deep by 28" wide. This compartment is to house one (1) "M" size oxygen cylinder, one (1) scoop stretcher, one (1) chair stretcher, and three (3) long backboards. This compartment will have shelves as shown in drawing. **This compartment shall include an O2 regulator that will connect to the O2 bottle and supply the interior O2 outlets and shall also have a tethered valve wrench near the cylinder.**
- 4.36.2 Miscellaneous Compartment, Left Center. One (1) compartment located on driver's side aft of rear wheels. Approximate dimensions of 39" high by 39" wide by 17" deep.
- 4.36.3 SCBA and Turn Out Gear Compartment, Left Rear. The compartment on the street side rear shall be approximately 61" high by 34" wide by 17" deep in the upper part of the compartment and full depth in the lower portion of the compartment below the level of the inside shelves. The rear wall of the compartment will be reinforced for the installation of SCBA brackets. Compartment is to be used for turn out gear and SCBA.
- 4.36.4 ALS Compartment, Outside, Right Front. One (1) hinged door, curbside aft of walk in door, to provide access to ALS compartment inside (above battery compartment). Door size is approximately 17" X 27".
- 4.36.5 SCBA and Turn Out Gear Compartment, Right Rear. The compartment on the curbside rear shall be approximately 61" high by 22" wide by 18" deep. The rear wall of the compartment will be reinforced for the installation of SCBA brackets. Compartment is to be used for turn out gear and SCBA.
- 4.37 Patient Compartment Access. The patient compartment access shall conform to the following specifications.
- 4.37.1 Doors. Access to the patient area shall be provided by a curbside door and two (2) rear doors. The curbside door shall be a minimum 72" high and 32" wide. The rear doors shall provide a clear opening of a minimum 60" in height and 50" in width. The curbside and right rear doors shall have inside and lockable outside door handles. The three (3) doors shall close on the non-hinged sides on air cell hollow core extruded rubber and foam rubber on the hinge side, providing complete water tight integrity. The door construction method and material shall be the same as the body structure. The interior surfaces of all three (3) doors shall be covered with 1/16" Formica or equal color to match the floor. All doors shall be flush fitting and be equipped with inside pull handles. Each rear door shall have chromed socket and plunger hold-open devices. The curbside door shall have a spring-loaded cam-over center hold-open device. The outside door handles shall be a rugged "automotive style" that are near flush with the door skin. These handles shall provide adequate clearances for the use of gloves. The hand/glove clearance area of the automotive style handle shall be a minimum of .8" deep by 4' long. On the curb side and rear doors, the inside handle shall be a "paddle style" type constructed from stainless steel and shall be equipped with an inside door lock. All exterior storage compartments and module entry doors shall be lockable with the same key. The compartment and entry door shall be painted separately from the modular body. The doors shall then be installed on the painted module. An ECK corrosion inhibitor shall be applied to the door frame and jamb painted extrusion prior to installing the doors to provide a barrier between the hinge and paint. Curbside doorstep will be lined with .125" polished aluminum tread plate. There shall be one (1)

step well light provided. Naugahyde covered head bumpers shall be above each doorway in patient area.

4.37.2 Latches and Locks. Each door shall be equipped with a slam type latch complying with F.M.V.S.S. 206. The left rear door shall be equipped with a two-pin dead bolt lock assembly with control on the inside only. The dead bolt shall engage the body structure at the top and bottom of the door and be protected by chrome striker plates.

4.37.3 Hinges. The curbside door shall hinge at the forward side and the rear doors at the outboard sides. The door hinges shall be stainless steel, continuous hinged with minimum 3/16" stainless steel pin.

4.37.4 Auto Kneeling Patient Compartment. When the left rear door is opened, the rear suspension shall unload by means of a R-12 relay valve and the floor of the patient compartment shall lower to a point where the guide wheels on the cot will roll onto the floor. When the door is closed, the suspension shall rise to road height. An override switch shall be mounted on the back wall inside the right side door to deactivate the suspension so both doors can be opened without the patient compartment lowering. Builder shall provide detailed drawings that will be mutually agreed upon.

4.37.5 Step Well, Side Door. Shall be lighted and equipped with an electric powered automatic courtesy step. The step shall retract automatically when the door is closed. There shall also be an override switch located just inside the doorway to deactivate the courtesy step in the retracted position (step will be battery hot).

4.37.6 Wheel Housing. Shall have full inner splash shields constructed of .090" aluminum. Lower modular body shall have a rub rail and stone guards on front of module. Rear wheel openings shall have a polished cast aluminum fenderette.

4.37.7 Patient Compartment Windows. Curbside and rear doors shall have windows with a fixed panel in each (no slider). Door window area shall be minimum 17" high by 14" wide. Window framing shall be extruded aluminum with an inner and outer frame for clamping type installation. The glass shall be safety-tempered glass with either a dark smoked privacy tint feature or a one-way mirror feature.

4.38 Extrication Equipment and Storage Accommodations. No extrication equipment shall be furnished.

4.39 Patient Compartment. The following specifications apply to the patient compartment. **(Cabinet measuring shall be inside useable space).**

4.39.1 Sidewalls and Cabinets. The interior sidewalls shall be completely finished with laminated plastic except for the flooring. The laminated plastic color shall gun metal gray. All cabinetry shall be made out of 3/4" exterior AC grade plywood or Duralite construction. No novaply or particleboard shall be allowed. All cabinetry shall be individually built and fitted into the module. The cabinets are to be bolted together and to the module. All cabinets that are designed to hold medical supplies shall have 1/4" Lexan/Plexiglas fronts. The Plexiglas shall be mounted in stainless steel, slide resisting, and bristle lined sliding tracks. Aluminum interiors and cabinets are also acceptable.

- 4.39.2 Patient Area Floor. The patient compartment floor is to be heavy-duty non-slip over 3/4" marine grade plywood sub-floor and shall extend the full width of the module. The flooring material shall be 90 degrees at corners up the sidewalls three (3) inches around the entire patient area. Material type shall be rubber with small dots or diamonds for non-slip surface. Material type and color to be approved by the Fire Department before installation. Under floor will be appropriately insulated.
- 4.39.3 Height. 74" head room from floor to ceiling in patient area.
- 4.39.4 Ceiling Hardware. Shall provide two (2) ceiling IV holders. One (1) shall be over the squad bench, approximately mid-torso, and one (1) over the primary cot at approximately head level. Each cast holder must have capacity to hold two (2) bags and have furnished velcro securing straps. Units shall be recessed into the ceiling and flip down when in use. Two IV hooks shall be installed on the walls at the ceiling height. One shall be on the curbside, mid torso area and one on the driver's side to the rear of the CPR seat.
- 4.39.5 Ceiling Grab Rails. Shall provide two (2) brushed stainless steel ceiling grab rails over primary cot. One grab rail will be 108" long with off-set 96" grab rail parallel to it, per drawing. Each grab rail will be 1" diameter and handicapped style.
- 4.39.6 Door Grab Handles. On each entry door, there shall be an L-shaped grab handle. The vertical portion of the L shall be close to the hinge of the door and run the full length of the upper window in the door. The horizontal portion of the L shall be located just under the upper window. The grab handles shall be 1" diameter brushed stainless steel and handicapped style.
- 4.39.7 Patient Compartment Lighting. All lighting furnished per drawings. (7 1/2" lights shall be Whelen #80COEECR LED INTERIOR LT WHITE CHROME). Patient compartment will controlled by an adjustable timer without a hold position (maximum 1 hour) so bank of center LEDs are running on battery saver when shoreline is plugged in and change to battery voltage when shoreline is unplugged (if this option is not possible, a fluorescent light will be substituted for restocking illumination). There will be a total of 10 LED lights on ceiling. Four (4) street side, three (3) center, and three (3) curbside, per drawing. **No exceptions on brand.**
- 4.39.8 Main Cabinets. Shall be installed on left side and front wall of compartment. All doors on main cabinets shall be sliding type and made of clear Plexiglas or Lexan. For any instance of Lexan or Plexiglas being used, a minimum of 1/4 inch thickness will be required. Doors shall slide in aluminum guides with replaceable felt inserts and have aluminum center mounted pulls. All cabinets to be lined with Formica bottom, top and sides for easy cleaning and are to be maximum depth. All cabinets (where indicated) will have piston controlled frames for restocking. All shelves furnished shall be adjustable. All cabinets shall be per attached drawings.
- 4.39.9 Right Side Cabinets. A row of 8" high cabinets shall be placed above the squad bench as per the drawing. The row will be comprised of two (2) approximately 9" high by 31" wide by 7" deep cabinets. Non-sliding fold up Lexan/Plexiglas doors will be used. A holder for three (3) boxes of gloves shall be built above the curbside patient compartment door. Gloves shall be accessible through slots cut in the Lexan/ Plexiglas cover for the holder. Edges of glove holder and cabinet above squad bench shall be padded for personal protection. A cabinet at the foot end of the squad bench will also be installed. The cabinet (per drawing) will have two (2) adjustable shelves

in it to store linens. The cabinet will be 24" high by 22' wide by 18.5" deep. It shall have Lexan/Plexiglas pull doors.

- 4.39.10 Left Side Cabinets. Six (6) cabinets shall be installed per included drawings (refer to identification letters). Compartment H shall be 20.5" high by 30" wide by 18" deep. Compartment J shall be 22.25" high by 28" high by 18" deep. Compartment K1 shall be 22.25' high by 15" wide by 18" deep. Compartment K2 shall be 10" high by 22.5" wide by 8.25" deep. Compartment L shall be 22.25' high by 50" wide by 16" deep. Compartment F door will provide access to long backboard compartment. Each compartment door will be Lexan/Plexiglas sliders with restocking frame. Each slider will have a pull for easy opening and closing. One (1) IV warming tray will be built into a compartment location to be determined by the Department during the pre-build meeting.
- 4.39.11 O2 Compartment. There shall also be a door to the O2 compartment which provides access to the valve of the onboard O2 cylinder.
- 4.39.12 Drawers. All drawers must have flush mounted paddle latches, capable of holding the drawers closed when the vehicle is in motion. Drawers shall be mounted on heavy-duty slides with stops to prevent the drawers from coming out accidentally. All drawers shall have positive locking mechanism that lock to keep drawers closed. All drawers will be slotted to accept acrylic dividers. Two Drawers under action desk shall be a minimum of 3" high by 11.5" wide by 14" deep (or as deep as possible). All drawers in patient compartment will have either a keyed lock or a numbered push-button style locking mechanism.
- 4.39.13 CPR Seat-Street Side. CPR seat on left sidewall shall be as wide as possible between the action deck and the four (4) drawers on rear of wall. It should be somewhere between 27" and 32" wide. If possible, there should be storage beneath the seat. The seat shall be covered with a minimum of 32-oz. nylon reinforced commercial vinyl material. Cushions with welting or beaded seams shall not be accepted. All vinyl material will be impervious to blood borne pathogens and other contaminants.
- 4.39.14 Attendant Seat. A rear facing attendant seat with built in child restraint seat shall be installed at the head of the primary cot, just to the rear of the front modular wall. The attendant seat and all cushions shall be covered with a minimum of 32-oz. nylon reinforced commercial vinyl material. Cushions with welting or beaded seams shall not be accepted. All vinyl material will be impervious to blood borne pathogens and other contaminants. Seat shall be mounted to permit easy access to cab and allow for closure of the door between cab and patient compartment.
- 4.39.15 Squad Bench Seat. A squad bench seat approximately 72" in length, constructed of ¾ inch birch, will be on the curb side of patient compartment, over the rear wheel well. The lid shall be attached to the squad bench assembly via a stainless steel piano hinge the entire length of the bench. The squad bench shall be equipped with a locking device to automatically secure the lid upon closing. The bench shall be furnished with three (3) sets of lap safety belts for seated occupants and for the retention of a long backboard when positioned on the bench. A full length cushion shall be installed on the squad bench lid. A full length split cushion will be installed on the wall as a back rest. When the lid is opened, a 60 lb. pneumatic hold will keep the lid raised. Laminate will cover the top on the lid under the cushion. **Neither a sharps box nor a trash receptacle will be built into the bench.** On the wall above the bench, between the split backrest cushions will be a dry erase board, a minimum of 36" in length and 18" high. Above the top

cushion will be an acrylic IV equipment holder, a minimum of 36" in length, mounted per drawing.

- 4.39.16 Oxygen System. A complete piped oxygen system shall be provided in the patient compartment. An interior door shall be provided to control the main oxygen cylinder (see attached drawing).
- 4.39.17 Oxygen Outlets. Two (2) non-protruding wall type oxygen outlets shall be provided (see drawings). One (1) high up at front of squad bench. One (1) on action deck area. All flow meters will be dial type and will be Ohio with DISS to fit Ohio diamond outlets provided. All outlets shall flow a minimum of 25LPM out of each outlet.
- 4.39.18 Oxygen Bottle Holder. One (1) dual base oxygen holder to be furnished and installed per drawing, on floor near cab pass-through or an area approved by the fire department.
- 4.39.19 Suction Aspirator System. A Rico RS-4X D.O.A. suction aspirator system shall be mounted in a recessed compartment, approximately 15" high by 10" wide and as deep as necessary, under the action deck. Wall mounted suction connection shall be in the recessed area also. This area shall be large enough to provide for installing and removing unit to clean it. Recessed area shall not extend above the action deck. A portion of the compartment behind this recessed space may be used if needed (see attached drawing).
- 4.39.20 Suction Vacuum Pump. A Rico RS-4X D.O.A. 12-volt vacuum pump, for suction aspirator system, is to be mounted in compartment at base of ALS compartment.
- 4.39.21 ALS Cabinet. Front interior passenger side shall have an area comprised of two (2) storage compartments and two (2) drawers. The top compartment will be 14" high by 33.5" wide by 30" deep, and have a Lexan/Plexiglas door. Below that compartment will be a Hoseline drawer (temperature controlled drawer) measuring 9.8" high by 17" wide by 20" deep. Below the Hoseline drawer will be a drawer measuring 5.75" high by 24" wide by 28.5" deep. Below the drawer will be a compartment with a Lexan/Plexiglas door measuring 16.75" high by 33.5" wide by 30" deep. This compartment shall also be accessible through the outside door. Both drawers in this area will have a push pad or keyed locking mechanism. See attached drawings.
- 4.39.22 Heating and Cooling. An air conditioning and heating system of sufficient size to cool and heat the patient compartment shall be installed above the bulkhead. The system should be capable of maintaining interior temperature within the established comfort zone of 68 degrees and 78 degrees Fahrenheit while operating between 0 degrees and 95 degrees Fahrenheit ambient. The airflow selector switch shall provide a high, medium, and low setting. The switch will be common for both heater and air conditioner. The environmental control switch shall be immediately accessible to the attendant while seated in the primary attendant seat. The combo air conditioning and heating shall be ducted to a plenum in the liner with eight (8) air ducts, four (4) on each side. The power for this shall be from the ignition switch (not the rear module switch). A thermostat on the action wall shall control it.
- 4.39.23 Turn/Brake signals. Above the rear doors on the inside of the patient compartment shall be amber colored turn signals and a red brake indicator light visible to the crew in the patient compartment.

- 4.39.24 Clock. An 8' analog clock shall be installed above the rear doors. It will be internally powered.
- 4.39.25 Camera. A Safety Vision backup camera with color LCD monitor shall be installed. There shall be two cameras mounted. One (1) camera shall be outside mounted over rear module doors, and one (1) in rear interior headliner (near clock). The monitor shall be mounted in the cab visible to the driver.
- 4.39.26 Countertops. All countertops (trays in action area and telemetry area) will be formed from molded resin to provide a seamless countertop. The countertop shall be one piece with a one (1) inch lip around the tray. The tray shall be topped with a durable top gel coat.
- 4.39.27 Knox Med Vault. A Knox Med Vault 2 with Wi-Fi option will be recess mounted in a location to be determined by the Department.
- 4.40 Warning Lights and Accessories. The warning lights and accessories will conform to the following specifications. All warning lights will be Whelen M9/M7 Series Linear Super-LED surface mount lights.
- 4.40.1 Switches. All **warning lamps** shall be controlled from one (1) master switch and each warning lamp shall also have their own individual on/off switches. **The patient compartment lights shall not be controlled by the warning light master switch. Siren and air horn shall not be controlled by the master emergency light switch. No Exceptions.**
- 4.40.2 Front Modular Body. Two (2), Whelen M9T LED Amber Arrow, one in each upper corner of the box. Lights shall be connected to turn signals. Mounted on front of box, or the equivalent light bar, will be Whelen M9# Series Linear Super-LED lights.
- 4.40.3 Pre-emption Light. A Tomar model 2060 RECT pre-emption system consisting of a rectangular light head, power supply, cables, and switches. The light shall be mounted to the bottom of the light bar. It shall be aligned to project horizontally straight ahead. It will be wired to go on and off with the master light switch and will also have its own on-off switch on the emergency light panel. Provision will be made that when the vehicle is placed into park, the pre-emption light will be disabled. No exceptions to this provision will be accepted.
- 4.40.4 Front Grille. Two (2) Whelen LED Warning lights, one (1) red and one (1) blue are to be mounted in the grille area. Grille shall be reinforced, if needed, with flat stock steel to prevent breaking of the grille. Two siren speakers for the siren shall be mounted in the front bumper. Whelen cast speaker models SA 122 and SA 314 are acceptable siren speakers. All components for the Whelen Howler Low Frequency Tone System will be installed.
- 4.40.5 Headlights. The headlights shall be connected to a flasher that will flash the high beams when activated. Flasher will have separate switch in emergency switch panel and be activated by the Emergency Light Switch.
- 4.40.6 Intersection Lights. Two (2) Whelen LED red/white lights shall be mounted one in each of the front fenders to shine to the side.
- 4.40.7 Sides (both). One (1) Whelen M9# Series and one (1) Whelen M9# Series to be mounted at front and rear of modular unit below the roof line (see attached drawings). One (1) Whelen M7

blue light will be mounted on the module above wheel well. One (1) Whelen M7 red light will be mounted equal height on each SCBA/ Turnout Gear compartment.

4.40.8 Sides (both). One (1) Whelen M9T (with angled flange) centered over each rear wheel well opening, and shall work with turn signals. Lights shall be angled to the rear.

4.40.9 Rear. One (1) Whelen M9# and one (1) Whelen M9# shall be mounted in upper outside corners of the patient compartment. One Whelen Dominator Traffic Advisor TIR3 shall be in the center near the roofline. One (1) Whelen M7 amber LED above doors in center. Two (2) Whelen M7LZC load lights on each side of amber light. The load lamps are to be activated when the rear patient doors are opened or when the vehicle is in reverse (see attached drawings). Stop, turn, taillight assembly shall be Whelen 9BTTX LED lights.

4.40.10 Siren. Public Address System shall be a Whelan WS-295-HFSDA with dual amplifier siren with noise canceling mike feature (shall be compliant with Howler Low Frequency Tone System). The furnished unit shall be installed below the windshield, so both the driver and passenger can use it. The radio shall be hooked to the siren so when the switch is in radio mode the radio receiver can be heard over the speakers outside the vehicle. Siren shall be hooked to horn ring to **change tones between wail and yelp**. Horn/siren switch shall be mounted on emergency light panel so air horns or siren can be operated from horn ring. **The ignition switch and not the master emergency light switch shall control the siren power. No exceptions to this provision will be accepted.**

4.41 Flood, Spots, and Loading Lights. The vehicle will also have flood and loading lights that comply with the following.

4.41.1 Cab Spotlights. One Havis Questar roof mounted spot light shall be mounted in the roof of the front cab on the passenger side where it is readily accessible to the passenger. It shall be a minimum of 400,000 candlepower.

4.41.2 Passengers' Side Load Lights. One (1) Whelen M9LZC mounted over side entry door near roofline, and one (1) Whelen M9LZC mounted towards back of modular box near roofline (see attached drawing).

4.41.3 Driver's Side Load Lights. Two (2) Whelen M9LZC mounted centered between the mid-line of the modular box assembly and the front/rear edges of the modular box, near roofline (see attached drawing).

4.41.4 Side Load Lamps. Side load lamps (3) shall be wired to activate with the opening of any of the patient compartment doors. There shall also be a switch in the cab compartment to activate all the load lights.

4.42 Standard Mandatory Miscellaneous Equipment. The following miscellaneous equipment will be included with these apparatus.

4.42.1 Manuals.

1-Complete set of shop manuals for chassis furnished.

1-Complete wiring diagram for this specific module. Generic diagrams will not be acceptable.

1-Parts catalog for module.

- 1-Oxygen and vacuum routing diagram for module.
- 1-Compact disc with program for engine diagnostics.

4.42.2 Medical, Surgical and Bio-medical Equipment. To be priced and listed separately from vehicle to be furnished: See Appendix "A". Items on this list will be purchased subject to available money. Some or all may be purchased.

4.42.3 Stretchers, Cots, and Litters. Stretchers and cots shall be furnished: See Appendix "A".

4.42.4 Portable Suction Aspirator. To be furnished: See Appendix "A".

4.43 Color, Paint and Finish. The following colors, paints, and finishes shall be required on the finished product.

4.43.1 Color. The exterior color of the cab and box shall be candy apple red (PPG DFHS76712 T-PIERCE #90). Bidders shall submit drawings showing a paint scheme. An 8-inch wide, 3-M Scotchlite stripe (white), applied mid-level, shall be full perimeter of the ambulance module. The only exception to the paint scheme will be the white reflective paint that will be used on the roof of the patient compartment.

4.43.2 Emblems and Markings. Shall be furnished and installed per drawings. Letters shall be four (4) inch vinyl, simulated gold leaf with black outline and shade. The inside of the Maltese cross shall also be a vinyl simulated gold leaf outlined in black. NOTE: If any of the above markings are unclear, please refer to the drawings and an actual ambulance the Rockford Fire Department has purchased. Modular rooftop will also have Department identification.

4.44 Miscellaneous

4.44.1 No smoking oxygen equipment signs conspicuously placed in the cab and patient compartment.

4.44.2 A back-up alarm, audible warning device activated when the vehicle is shifted into or moving in reverse.

4.44.3 One (1) quart of touch-up paint.

4.44.4 Two (2) five pound fire extinguishers that are ABC dry chemical multipurpose with a quick release bracket shall be installed. One (1) bracket will be located in the patient compartment (Department will provide location), and one (1) bracket located in the street side center compartment.

**5.0 Option for Multi-Year Vehicle Purchase.**

The City requests pricing on nine (9) ambulances to be purchased over a three (3) year period. Four (4) ambulances to be delivered in 2013, three (3) to be delivered in 2014 and two (2) to be delivered in 2015.

## Appendix A

1. Five (5) HeartStart MRx ALS Monitors (M3536A)  
The HeartStart MRx Monitor/Defibrillator model includes manual defibrillation, AED mode, ECG arrhythmia detection, automated testing, one carry case, one battery pack, one bedrail hook, one 3-lead ECG cable, one pad cable, one test load, one roll of paper, and one CD with instructions for use. It will include the following pieces of equipment:
  - C21 Black Carry Case for MRx
  - AO3 SpO2, NBP and etCO2 – pulse oximeter, non-invasive blood pressure and end tidal CO2; includes adult re-usable fingertip transducer, adult blood pressure cuff and interconnect cable, and adult filter line
  - B01 Noninvasive transcutaneous pacing
  - B02 12-lead ECG acquisition – includes 12-lead cable (M3527A AAMI or M3529A IEC)
  - B06 Bluetooth 12-lead Transmission
  - B04 Wide Printer
  - B08 Q-CPR 3
  - B09 Q-CPR Data Capture
  - CO3 Data card – includes 64MB data card for storing event summary, 12-lead ECG
  - CO6 AC Power Module
  - CO5 Lithium Ion battery – includes one rechargeable lithium ion battery with a fuel gauge. Battery provides approximately 5 hours of monitoring or 200 shocks.
  - W22 Two Year Bench with Loaner Warranty---Replaces Standard One Year Warranty
  - LP1 Instructions for use- Hard copy of the user instruction guide
  
2. Four (4) Stryker Chair Stairs (Stair-Pro) Model 6252 with two piece ABS panel seat (permanent), locking rear lift handles, non-absorbent restraint set (metal buckles) and removable head support. Chair will have a rated capacity of 500lbs. Will include options:
  - 6252-027-000 Flip Down Footrest
  - 6252-040-000 Removable Head Support
  
3. Eight (8) Vertex 4600 radios, four (4) Audiosears (ABS handset cradle assembly) handset with on/off/volume control for patient compartment, eight (8) MLS 100 speakers (per each apparatus). FireCom Headset (106-0271-10) model UH-51 shall be included and include wiring harness for Vertex 4600.
  
4. Four (4) S-scort AE 6990 12 VDC/Portable suction with soft-pak carrying case.
  
5. Four (4) Spider Strap (BDM Med).
  
6. Five (5) Stryker 6506 Power-Pro Ambulance Cots. Each cot will also have the following options included:
  - 6500-141-000 Fowler O2 Bottle Holder
  - 6500-215-000 3-Stage IV Pole (patient right side)
  - 6500-147-000 Equipment Hook
  - 6500-130-000 Backrest Storage Pouch
  - 6500-128-000 Flat Head End Storage Pouch
  - Service Contract for 12 month maintenance and extended warranty
  
7. Five (5) WhisperFlow Fixed Standard Flow CPAP Generators, Item 989803165371. The following items will be included with the CPAP:

- DT2300 Regulator, O2, 25L, Click Barb, 1 PTO
  - 382105 QC Adaptor, O2, OHIO x DISS Male
  - 382158 QC Coup, O2, OHIO x DISS Female Handtight
  - 81-3011-00.6 Hose, 6" DISS Female x DISS Male
  - 759-15139DORAB Duffel, D/Jumbo, Orange Impervious
8. Five (5) RAD57 Handheld Non-Invasive CO Pulsoximeters (Item 9216). It will include the following pieces of equipment:
- 2296 SpCO Parameter
  - 2405 Rainbow RC-1 Rainbow 20-Pin Patient Cable, 1 foot
  - 2696 Rainbow DCI, SpO2/SpCO/SpMet, 1/BX
  - 3471 1 year extended warranty MasimoCare Protection+ and extended service package for EMS
  - 2208 Water Resistant Protective Carrying Case, Red
  - 33650 Quick Reference Guide, RAD57 Configured for EMS
  - 6333 RAD57 Training DVD
9. Four (4) Stryker Floor Mount Fasteners for single patient cot, item 6370000000(M). It will include the following components:
- 7777881660 Warranty
  - 6360020000 Standard Rail Option
  - 6370030010 Common Components
  - 6370130010 Cot Fastener Assembly, Floor Mount
  - 6370230010 Cot Fastener Assembly, Floor Mount
10. Five (5) Vidacare EZ-IO G3 Power Drivers. It will include the following pieces of equipment:
- 9001-VC-001 EZ-IO 25mm Needle
  - 9001-VC-005 EZ-IO 25mm Needle Set (Box of 5)
  - 9018-VC-001 EZ-IO 15mm Needle
  - 9018-VC-005 EZ-IO 15mm Needle Set (Box of 5)
  - 9066 EZ Stabilizer (18 count)
  - 9074 EZ-IO G3 Hard Sided Carrying Case
  - 9079-VC-001 EZ-IO 45mm Needle
  - 9079-VC-005 EZ-IO 45mm Needle Set (Box of 5)
11. Five (5) Cadex 2-Bay Battery Analyzers for HS Li-Ion Batteries (item 989803135301). It will include the following piece of equipment:
- CO5 One (1) Lithium Ion Battery
12. Four (4) Zoll Z102 M-Mounts for defibrillator, to be installed on telemetry tray.
13. Four (4) Philips Heartstart FR2+ AEDs with the following accessories:
- Two (2) Li-Ion Batteries (Item M3863A)
  - One (1) 3-Lead ECG Assessment Module (Item M3873A)
  - One (1) Pelican Waterproof Plastic Carrying Case (Item YC)
  - Two (2) Adult FR2 AED Pads (Item 989803158211)
  - Two (2) Pediatric/Child FR2+ AED Pads (Item M3870A)

**LIST PRICES FOR CORRESPONDING ITEM NUMBER DESCRIBED ON APPENDIX "A"**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

**BID FORM**

BASE PRICE OF AMBULANCE: \$ \_\_\_\_\_

TOTAL FOR APPENDIX "A" \$ \_\_\_\_\_

GRAND TOTAL \$ \_\_\_\_\_

TOTAL DAYS DELIVERY TIME: \_\_\_\_\_

DRAWING OF SWITCH PANEL ENCLOSED?  
YES \_\_\_\_\_ NO \_\_\_\_\_

ARE EXCEPTIONS LISTED AND ATTACHED?  
YES \_\_\_\_\_ NO \_\_\_\_\_

ARE DRAWINGS OF PAINT SCHEME ATTACHED?  
YES \_\_\_\_\_ NO \_\_\_\_\_

OPTION ON MULTI-YEAR VEHICLE PURCHASE PER SECTION 5.0

BASE PRICE OF AMBULANCE: \$ \_\_\_\_\_

\_\_\_\_\_  
Person, Firm, or Corporation

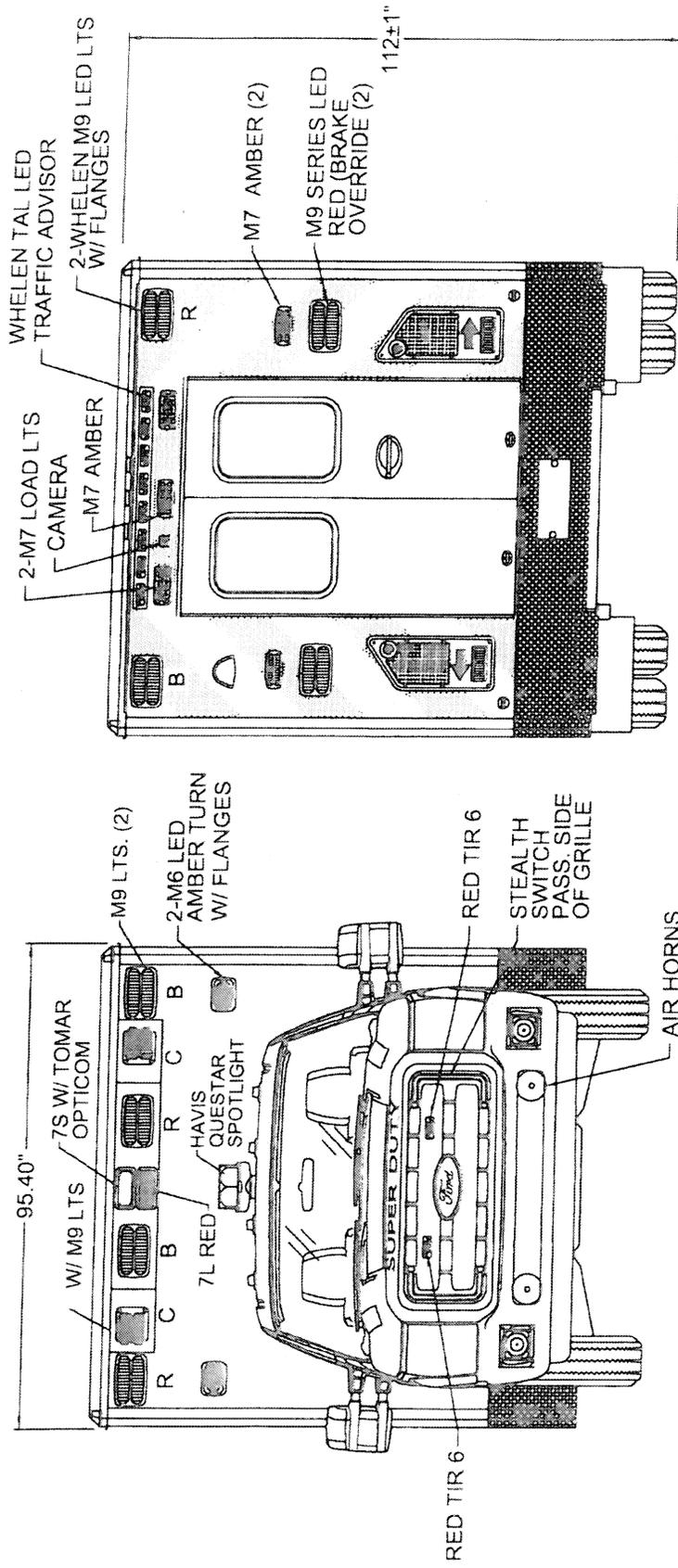
\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date



# ROCKFORD FIRE DEPARTMENT

172 x 95 x 74



## EXTERIOR COMPARTMENT DIMENSIONS IN INCHES

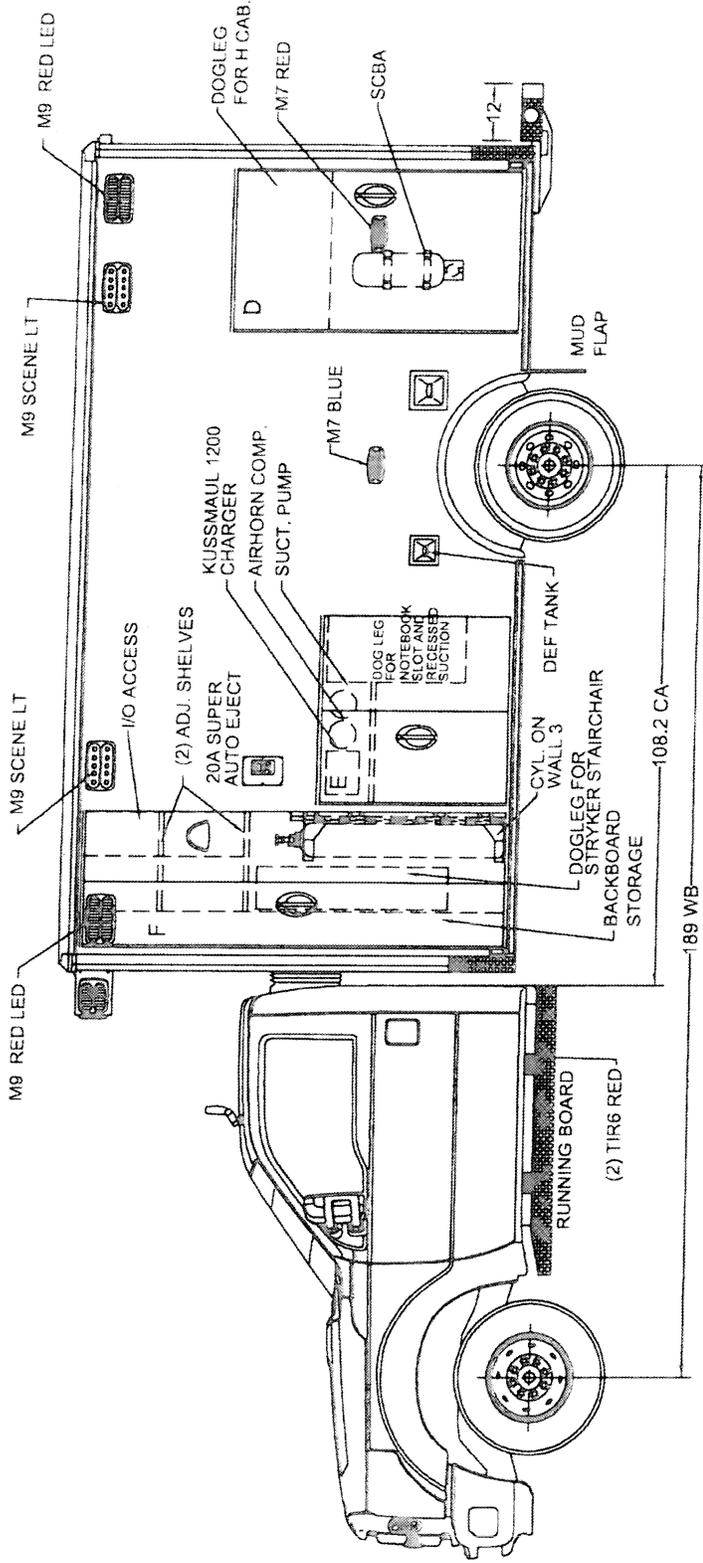
INTERIOR DIMENSIONS			INTERIOR DIMENSIONS			JAMB OPENING	
COMPT.	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH	HEIGHT	WIDTH

FORD F-450 4X4  
 FRONT / REAR  
 EXTERIOR VIEWS  
 DURASEAM DOOR SYSTEM

BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING

# ROCKFORD FIRE DEPARTMENT

172 x 95 x 74



## EXTERIOR COMPARTMENT DIMENSIONS IN INCHES

COMPT.	INTERIOR DIMENSIONS			INTERIOR DIMENSIONS			JAMB OPENING		
	HEIGHT	WIDTH	DEPTH	COMPT.	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH
D	61.75	34.00	17.00/10.00						
E	39.00	39.25	17.00						
F	84.25	28.25	17.00						

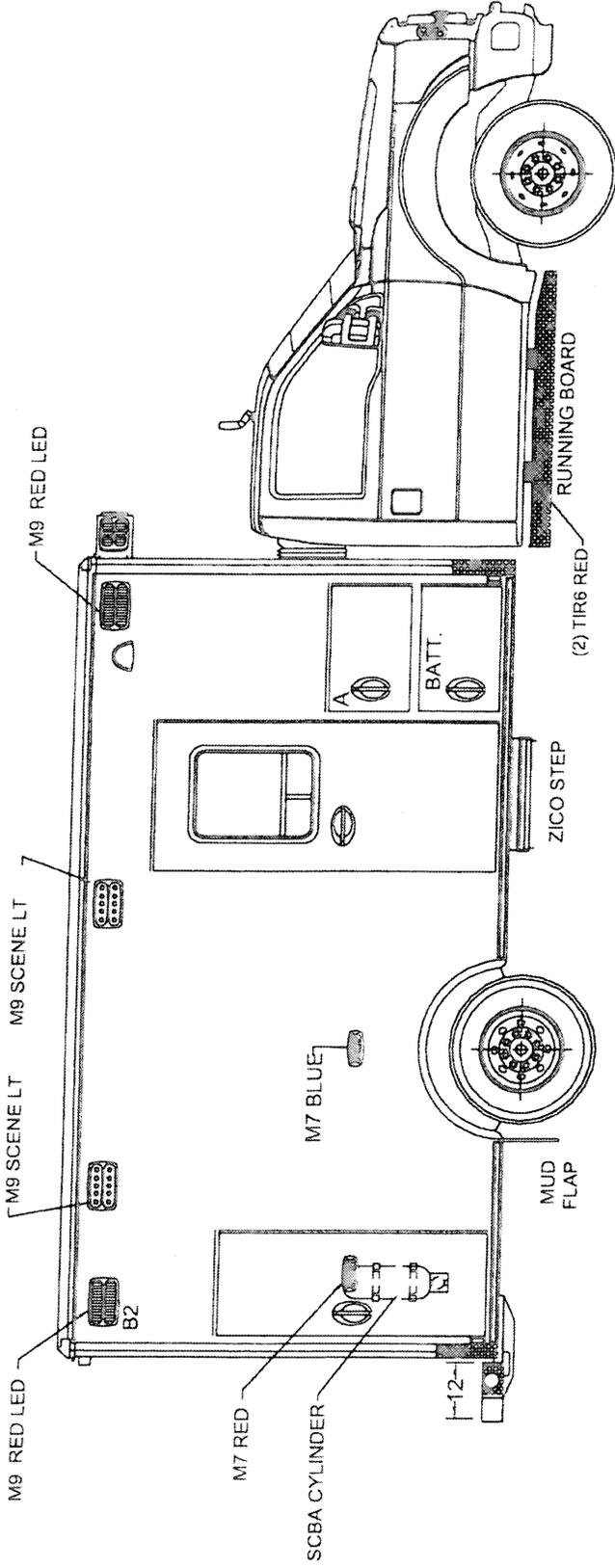
FORD F-450 4X4  
LEFT EXTERIOR

BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING

DATE: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_

# ROCKFORD FIRE DEPARTMENT

172 x 95 x 74



## EXTERIOR COMPARTMENT DIMENSIONS IN INCHES

INTERIOR DIMENSIONS			JAMB OPENING			INTERIOR DIMENSIONS			JAMB OPENING		
COMPT.	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH	COMPT.	HEIGHT	WIDTH	DEPTH	HEIGHT	WIDTH
A				17.00	27.00						
B2	61.75	22.75	18.50								

BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING

FORD F-450 4X4  
RIGHT EXTERIOR

DATE

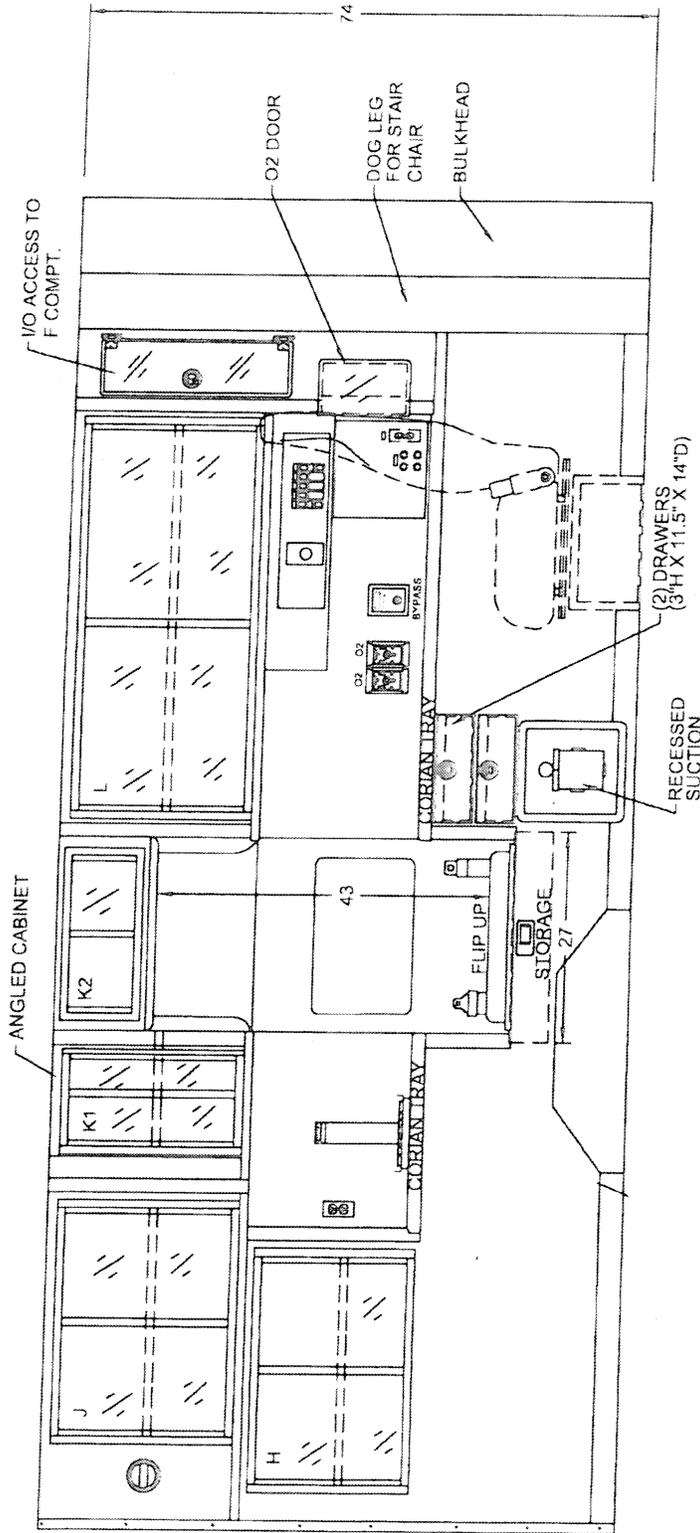
SCALE

DRAWN BY



# ROCKFORD FIRE DEPARTMENT

172 x 95 x 74



BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING

## INTERIOR CABINET DIMENSIONS IN INCHES

CABINET	HEIGHT	WIDTH	DEPTH	CABINET	HEIGHT	WIDTH	DEPTH
H	20.50	30.00	18.00				
J	22.25	28.00	18.00				
K1	22.25	15.00	18.00				
K2	10.00	22.50	8.25				
L	22.25	50.00	16.00				

FORD F-450 4X4  
LEFT INTERIOR

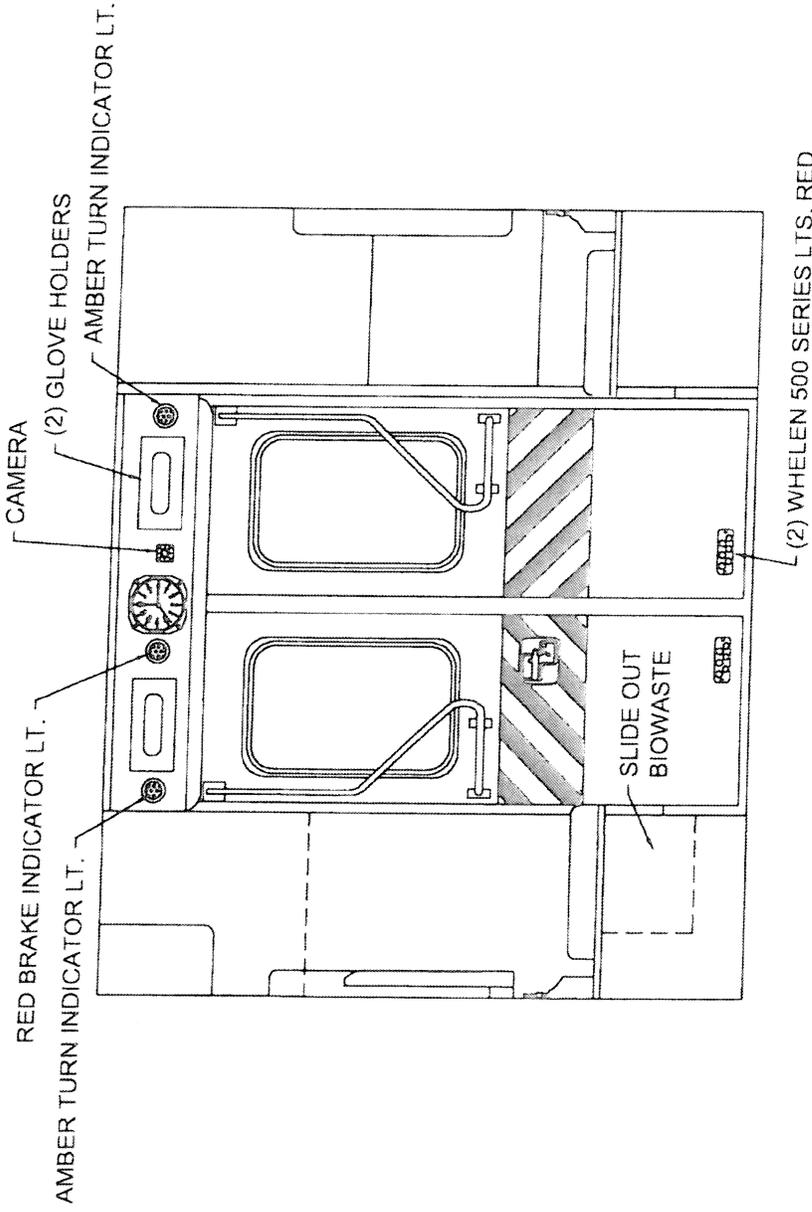
DATE \_\_\_\_\_ SCALE \_\_\_\_\_

DRAWN BY \_\_\_\_\_ DWG. NO. \_\_\_\_\_



# ROCKFORD FIRE DEPARTMENT

172 x 95 x 74



## INTERIOR CABINET DIMENSIONS IN INCHES

CABINET	HEIGHT	WIDTH	DEPTH

BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING

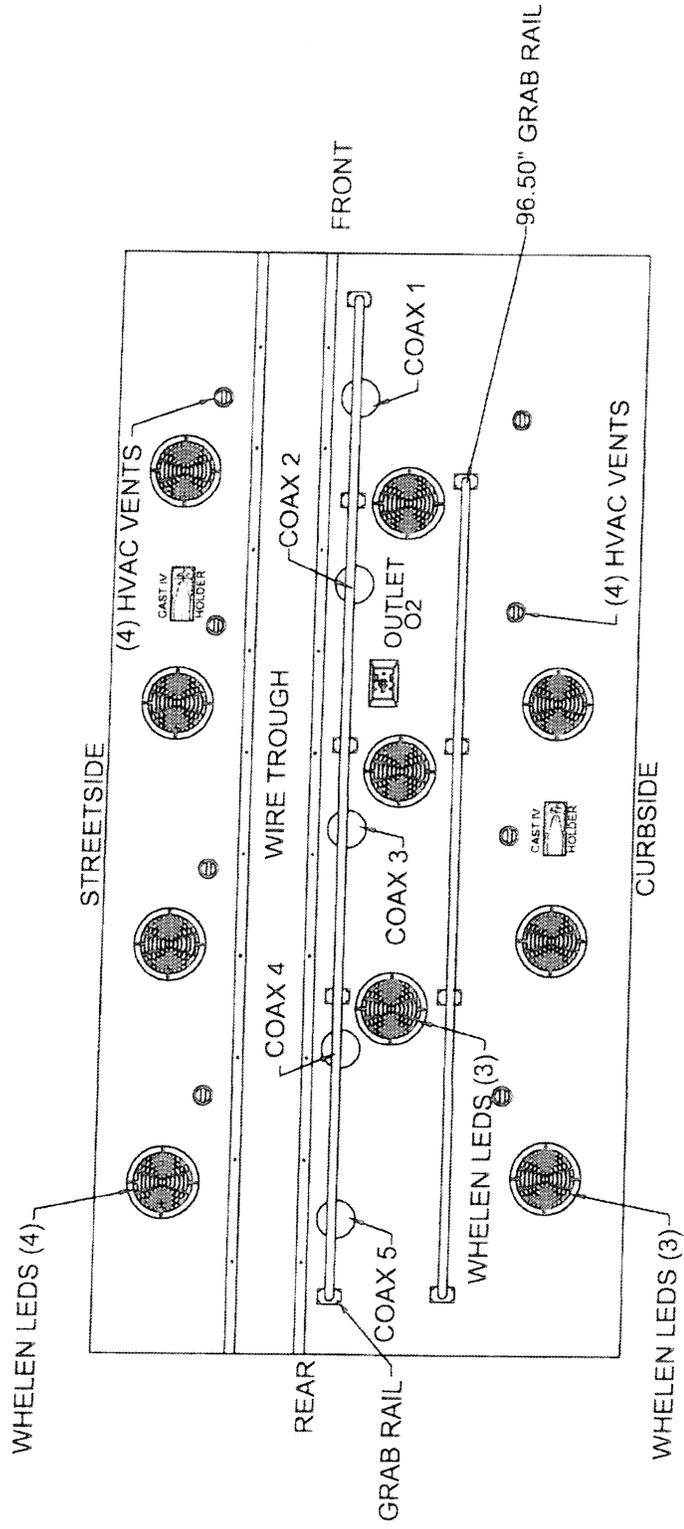
FORD F-450 4X4  
REAR BULKHEAD INTERIOR

DATE: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_



# ROCKFORD FIRE DEPARTMENT

172 x 95 x 74



FORD F-450 4X4

LINER

BE ADVISED THAT THESE ARE PRELIMINARY LAYOUTS INTENDED TO ILLUSTRATE DESIGN INTENT AND DIMENSIONS ARE FOR REFERENCE ONLY PRIOR TO FINAL ENGINEERING