

BID NUMBER PA-02309

TO: CITY OF LONG BEACH  
CITY MANAGER  
ATTN: CITY CLERK  
333 West Ocean Boulevard, Plaza Level  
Long Beach, California 90802



INVITATION TO BID

AMBULANCES (TEN)

CONTRACT NO. 31515

- COMPLETE CONTRACT:**  
This Invitation to Bid, together with THE NOTICE INVITING BIDS, the entire Bid (including Specifications), or any items(s) thereof, the signature page, Instructions to Bidders, General Conditions, Special Conditions, Bid Section, Addendums, and when required, CONTRACTOR'S BOND shall become the Contract upon its acceptance by the City Manager or designee on behalf of the City of Long Beach, Contractor will be provided with a copy of the executed Contract. All materials or services provided by the Contractor shall comply with the City Charter, and all applicable Federal, State and City Laws.
- SERVICES TO BE PROVIDED BY THE CONTRACTOR:**  
Contractor shall upon acceptance of this Bid by the City, furnish the goods and services herein specified according to the terms and conditions set forth herein.
- AMOUNT TO BE PAID:**  
The City shall pay Contractor for the goods or services as described in the section entitled "PAYMENT" in the Instructions to Bidders.
- CHOICE OF ALTERNATE PROVISIONS; OPTIONS; NOTIFICATION:**  
When alternative provisions are requested, or options are offered, Contractor will be notified as to which provision, or option, is being accepted at the same time that he is notified that he is the successful Bidder.
- DECLARATION OF NON-COLLUSION:**  
The undersigned certifies or declares under penalty of perjury that this Bid is genuine and not sham or collusive, or made in the interest or on behalf of any person or entity not herein named; that the Bidder has not directly or indirectly induced or solicited any other Bidder to submit a sham bid, or any other person or entity to refrain from bidding, and that the Bidder has not in any manner sought by collusion to secure to himself any advantage over other Bidders.

**BIDDER MUST COMPLETE AND SIGN BELOW:**

(Signature of Corporate Officers or persons authorized to sign bids and contracts on behalf of the Contractor – refer to page 2 Instructions Concerning Signatures.)

EXECUTED AT: Anaheim CA ON THE 20th DAY OF July, 2009.  
CITY STATE MONTH

COMPANY NAME: Emergency Vehicle Group, Inc. TIN: [REDACTED]  
(FEDERAL TAX IDENTIFICATION NUMBER)

STREET ADDRESS: 2883 E. Coronado St. CITY: Anaheim STATE: CA ZIP: 92806

PHONE: 714-238-0110 FAX: 714-238-0120

S/ [Signature] (SIGNATURE) President (TITLE)

Jerry N. Grinstead, Jr. (PRINT NAME) jgrinstead@evginc.net (EMAIL ADDRESS)

S/ [Signature] (SIGNATURE) Executive Vice President (TITLE)

Travis B. Grinstead (PRINT NAME) tgrinstead@evginc.net (EMAIL ADDRESS)

ALL SIGNATURES MUST BE NOTARIZED FOR ALL COMPANIES LOCATED OUTSIDE THE STATE OF CALIFORNIA.  
NO OUT-OF-STATE BID WILL BE CONSIDERED UNLESS A NOTARIAL ACKNOWLEDGMENT IS ATTACHED.  
NOTARIES ARE NOT REQUIRED FOR CALIFORNIA BIDDERS.

IN WITNESS WHEREOF the City of Long Beach has caused this contract to be executed as required by law as of the date stated below.

THE CITY OF LONG BEACH  
BY [Signature] 3.3.10  
Director of Financial Management Date

APPROVED AS TO FORM 3-1 2010.  
ROBERT E. SHANNON  
CITY ATTORNEY  
[Signature]  
Deputy

**BID NUMBER PA-02309**

The City of Long Beach is committed to provide maximum opportunities for Disadvantaged, Minority, Women and Long Beach Business Enterprises (DBEs, MBEs, WBEs and Local) to compete successfully in supplying our needs for products and services.

**The following information is submitted regarding the Bidder:**

Legal Form of Bidder:

Corporation  State of NV  
Partnership  State of \_\_\_\_\_  
General  Limited   
Joint Venture   
Individual  DBA \_\_\_\_\_  
Limited Liability Company  State of \_\_\_\_\_

Composition of Ownership (more than 51% of ownership of the organization):

OPTIONAL

Ethnic (Check one):

Black  Asian  Other Non-white  
 Hispanic  American Indian  Caucasian

Non-ethnic Factors of Ownership (check all that apply):

Male  Yes - Physically Challenged  Under 65  
 Female  No - Physically Challenged  Over 65

Is the firm certified as a Disadvantaged Business:  Yes  No

Has firm previously been certified as a minority-owned and/or woman-owned business enterprise by any other agency?

Yes  No

Name of certifying agency: \_\_\_\_\_

**INSTRUCTIONS CONCERNING SIGNATURES**

Please use the proper notary form, which applies to your type of organization on all Bid documents, attachments and bonds requiring a signature by officers of your company.

**NOTE: FAILURE TO COMPLY MAY RESULT IN DISQUALIFICATION OF YOUR BID.**

**INDIVIDUAL (Doing Business As)**

- a. The only acceptable signature is the owner of the company. (Only one signature is required.)
- b. The owner's signature must be notarized if the company is located outside of the state of California.

**PARTNERSHIP**

- a. The only acceptable signature(s) is/are that of the general partner or partners.
- b. Signature(s) must be notarized if the partnership is located outside of the state of California.

**CORPORATION**

- a. Two (2) officers of the corporation must sign.
- b. Each signature must be notarized if the corporation is located outside of the state of California.

**OR**

- a. The signature of one officer or the signature of person other than an officer is acceptable if the Bid is accompanied by a certified corporate resolution granting authority to said person to execute contracts on behalf of the corporation.
- b. Signature(s) must be notarized if the corporation is located outside of the state of California.

**LIMITED LIABILITY COMPANY**

- a. The signature on the Bid must be a member or, if the Articles provide for a manager, must be the manager. (Only one signature is required.)
- b. Signature must be notarized if the company is located outside of the state of California.

**THIS INFORMATION IS AVAILABLE IN AN ALTERNATIVE FORMAT BY CONTACTING 562-570-6200.**

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

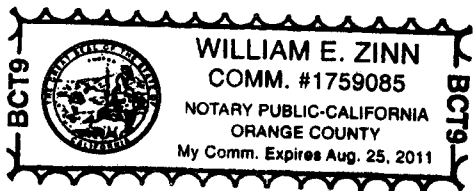
State of California

County of Orange

On July 22, 2009 Before me, William E. Zinn, Notary Public

Personally appeared Jerry N. Grinstead, Jr

proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal. [Signature]

OPTIONAL

Though the data below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent reattachment of this form.

CAPACITY CLAIMED BY SIGNER

- Individual, Corporate Officer (President), Partner(s), Attorney-in-fact, Trustee(s), Guardian/conservator, Other.

DESCRIPTION OF ATTACHED DOCUMENT

Title or type of document, Number of pages, Date of document, Signer(s) other than named above

Signer is representing: Name of person(s) or entity(ies):

## INSTRUCTIONS TO BIDDERS

### 1. PREPARATION OF BID:

The preparation of the Bid, including visits to the Site prior to submittal of the Bid, shall be at the expense of Bidder. All prices and notations must be typewritten or written in ink. Any markings in pencil shall not form part of the Bid and shall be disregarded by the City. Any changes or corrections in the Bid must be initialed in ink by the person signing the Bid. Bidder shall state brand name or make of each item bid. If not bidding on item as described, the manufacturer's name and catalog number of the substitute must be given. Bidder shall also attach specifications and furnish other data to establish the suitability of the substitute. Bidder shall quote separately on each item. Bidder shall quote his lowest price and best delivery date as no changes are permitted after the bid opening. Cash discounts offered for payment within fourteen (14) days or less will not be considered when evaluating bids. No telephonic, telegraphic or fax Bids are acceptable.

**NOTE: ALL PAGES OF THE INVITATION TO BID MUST BE RETURNED.**

### 2. EXAMINATION OF BID:

Bidder is responsible for examining the Invitation to Bid and submitting its Bid complete and in conformance with these instructions.

### 3. CONDITIONS OF WORK:

Bidder shall carefully examine the Site to become fully informed regarding all existing and expected conditions and matters, which could affect performance, cost or time of the Work.

### 4. DISCREPANCIES IN BID DOCUMENTS:

If Bidder finds discrepancies in or omissions from the Invitation to Bid, if the intent of the Invitation is not clear, or if provisions of the Specifications restrict Bidder from bidding, he may request in writing that the deficiency(s) be modified. Such request must be received by the City Purchasing Agent at least five (5) working days before bid opening date. Bidders will be notified by Addendum of any approved changes in the Invitation to Bid.

### 5. ORAL STATEMENTS:

The City of Long Beach shall not be bound by oral statements made by any employee or agent concerning this Invitation to Bid. If Bidder requires specific information, Bidder must request it in writing and obtain a reply in writing from the City.

### 6. BRAND NAMES AND SPECIFICATIONS:

The detailed specifications and/or brand names stated are descriptive only and indicate quality, design and construction of items required. **Offers will be considered to supply articles substantially the same as those described herein but with minor variations. Bidders must describe variations in the Bid.** Substitute items must be equal in quality, utility and performance. **The phrase "or approved equal" throughout the specifications means that the City in its sole and absolute discretion shall make the final determination whether or not the substitute items are equal.**

### 7. AWARD:

Bid shall be subject to acceptance by the City for a period of three (3) months unless a lesser period is prescribed in the quotation by Bidder. The City reserves the right to award all items to one Bidder, or to award separate items or groups of items to various Bidders, or to increase or decrease the quantities of any item. Bidder may submit alternate prices or name a lump sum or discount conditional on two or more items being awarded to him.

The City's purchases of goods and services are based on the City's actual needs and requirements. The City is obligated under this contract/purchase order to purchase and pay for only those goods and services that the City needs and requires, and that the City actually orders and receives. Any dollar amount identified as a "not to exceed:" amount in any City document is not a guaranteed payment amount to any contractor or service provider. Furthermore, the City may determine that its needs and requirements may be met by City labor or by a second contractor or service provider, even after an award is made to one contractor or service provider. An award is not a promise or guarantee of exclusivity.

Bidders are cautioned that comments and statements, whether oral or written, made by City employees regarding the validity of Bids, the waiver of deviations from Specifications, the possibility or probability of an award being made to a particular Bidder, and other similar matters are NOT binding on the City. Bidders should not order materials, obtain financing or take other actions based on such comments and statements. Only authorization of a Contract by the City Council or issuance of a Purchase Order is conclusive and binding on the City with respect to this Bid and its resulting Contract or Purchase Order. However, prior to authorization by the City Council or issuance of the Purchase Order, Bidders may rely on: (1) approval of an "equal" or "substitute" item which will be issued in writing, and (2) written notice of intent to award by the City Council, which is often issued prior to the authorization by the City Council so that a Bidder can order materials that have a long lead time.

### 8. PAYMENT:

Payment terms are NET/30 unless Bidder otherwise quotes. All Cash Discounts shall be taken and computed from the date of delivery or completion and acceptance of the material, or from date of receipt of invoice, whichever occurs last. Invoices must be submitted as specified at the time of shipping authorization. Partial payments may be made by the City on delivery & acceptance of goods and on receipt of goods and on receipt of Contractor's invoice.

In the event the Contract to be awarded hereunder, including specifications and other documents incorporated therein by reference, provides for the withholding of moneys by the City to ensure performance of such Contract, Contractor may deposit with the City, as a substitute for said withheld moneys, securities listed in Section 16430 of the California Government Code or bank or savings and loan certificates of deposit, or both, equivalent to the amount withheld, provided Contractor requests permission to make such substitution and bears all expenses in connection therewith.

### 9. SAFETY APPROVAL:

Where required by City Regulations, any items delivered must carry Underwriters Laboratories Approval or City of Long Beach City Safety Officer approval. Failure to so comply will be cause to reject Bid. Also, any equipment must conform with the Safety Orders of the California Division of Industrial Safety and OSHA regulations.

### 10. BUSINESS LICENSE:

The Long Beach Municipal Code (LBMC) requires all businesses operating in the City of Long Beach to pay a business license tax. In some cases the City may require a regulatory permit and/or evidence of a State or Federal license. Prior to issuing a business license, certain business types will require the business license application and/or business location to be reviewed by the Development Services, Fire, Health, and/or Police Departments. For more information, go to [www.longbeach.gov/finance/business\\_license](http://www.longbeach.gov/finance/business_license).

**INSTRUCTIONS TO BIDDERS**

**11. PUBLIC WORK AND PREVAILING WAGES:**

In the performance of public work under any Contract, Contractor shall comply with the provisions of Standard Specifications for Public Works Construction, latest edition, and City of Long Beach Amendments thereto. Where labor is required for public work as part of this Contract, Contractor shall pay no less than the prevailing wages set by the Director of the Department of Industrial Relations of the State of California. A copy of the wage schedule can be obtained from the City Engineer.

The Director of Public Works of the City by and on behalf of the City Council has obtained from the Director of the Department of Industrial Relations of the State of California the general prevailing rate of per diem wages and the general prevailing rate of holiday and overtime work in the locality in which the public work is to be performed for each craft, classifications or type of workers needed to execute the Contract, and the same is on file with the City Engineer, 9<sup>th</sup> floor, City Hall, 333 W. Ocean Boulevard, Long Beach, California 90802. It shall be mandatory upon the Contractor to whom the Contract is awarded, and his Subcontractors to pay not less than the said prevailing rate of wages to all workers employed by Contractor or said Subcontractors in the execution of the Contract.

**12. RIGHT TO REJECT:**

The City reserves the right to reject at any time any or all Bids, or parts thereof, and to waive any variances, technicalities and informalities which do not impair the quality, utility, durability or performance of the items.

**13. SAMPLES:**

Samples of items when requested or required must be furnished to the City free of expense to the City and, if not destroyed by tests, will upon request be returned at Bidder's expense.

**14. PRICES:**

Prices shall be in accordance with those extended to other governmental agencies. In case of error in extension of prices, unit price will govern. All prices must be firm for the Contract term unless the City specifically provides for adjustment.

**15. CITY'S POLICY FOR MINORITY AND WOMEN-OWNED BUSINESSES:**

The City of Long Beach is committed to providing maximum opportunities for Disadvantaged, Minority, Women and Long Beach Business Enterprises (DBEs, MBEs, WBEs and Local) to compete successfully in supplying our needs for products and services.

Please visit <http://www.longbeach.gov/purchasing/diversity.asp> for more information on the City's Diversity Outreach Program.

**SUBCONTRACTORS**

To assist the City in maintaining records of its Minority and Women Outreach Program, Bidder is requested to provide the following information. Answers are optional, and failure to answer will not disqualify Bid. If additional space is required, Bidder shall attach a separate sheet.

The following Minority- or Woman-owned subcontractors are to be utilized to provide equipment, material, supplies and/or services for this Contract requirement:

Company Name: N/A

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

Commodity/Service Provided: \_\_\_\_\_

Circle appropriate designation: MBE WBE

Ethnic Factors of Ownership: (more than 51%)

Black ( ) American Indian ( )  
Hispanic ( ) Other Non-white ( )  
Asian ( ) Caucasian (X)

Certified by: \_\_\_\_\_

Valid thru: \_\_\_\_\_

Dollar value of participation: \$ N/A

**16. BID SUBMITTAL AND WITHDRAWAL OF BIDS:**

Each Bid must be delivered to the location and received on or before the due date and time stated herein. Bids will not be accepted after the date and time stated herein. Bids may be withdrawn without prejudice providing the written request is received by the City Clerk no later than the time set for opening Bids. Withdrawals will be returned to Bidder unopened.

SUBMIT TO:  
CITY OF LONG BEACH  
CITY CLERK  
333 W OCEAN BLVD/PLAZA LEVEL  
LONG BEACH CA 90802

**BID DUE DATE:** JULY 16, 2009  
**TIME:** 11:00 am

IF BIDDER HAS ANY QUESTIONS REGARDING THIS INVITATION TO BID PLEASE CONTACT THE FOLLOWING CITY PERSONNEL.

**A. COMMERCIAL (TERMS AND CONDITIONS, ETC)**

MICHELLE KING 562-570-6020  
BUYER TELEPHONE NUMBER

**B. TECHNICAL (SPECIFICATIONS, DRAWINGS, ETC.)**

JOHN SEEVERS 562-570-5406  
DEPARTMENT CONTACT TELEPHONE NUMBER

**17. BID OPENING PROCEDURES:**

All Bids will be publicly opened and read at the date and time specified in Instructions to Bidders, item 15.

It is our policy not to release price information on these Bids until the department has reviewed them and award has been approved by the City Council and the City Attorney. At that time, the information becomes public. You are welcome to review the results at that time by calling the buyer that handled that Bid and setting up an appointment. Due to the large volume of Bids received, Bid results will not be given out by phone and information will not be faxed.

After the Purchasing Division has analyzed the Bids, the name of the apparent low Bidder will be posted on the Internet for a period of one (1) month, together with the rankings of the top three Bidders. These rankings will not contain price information.

**CAUTION: Only the City Council has authority to make an award, and a contract is not in effect until the City Council makes an award and contract documents (including insurance and bonds) are signed, submitted and approved.**

Bid protest procedures may be obtained from the Buyer. Protests must be submitted within seven (7) calendar days after the date of the Bid opening.

**INSTRUCTIONS TO BIDDERS**

**18. INTER-AGENCY PARTICIPATION:**

IF OTHER AGENCIES EXPRESS AN INTEREST IN PARTICIPATING IN THIS BID, WOULD YOU SUPPLY THE SAME ITEMS.

YES   X   NO       

(If yes, any agency electing to participate in this Bid will order its own requirements without regard to the City of Long Beach. The City of Long Beach assumes no liability or payment guarantee on any units sold to participating agencies.)

**19. AMERICANS WITH DISABILITIES ACT:**

Contractor shall have and be allocated the sole responsibility to comply with the Americans with Disabilities Act of 1990 ("ADA") with respect to performance hereunder and contractor shall defend, indemnify and hold the City, its officials and employees harmless from and against any and all claims of failure to comply with or violation of the ADA as said claim relates to this Contract.

## CONTRACT – GENERAL CONDITIONS

1. Acceptance of the offer contained in this Contract is expressly limited to the terms and conditions of such offer as herein stated.
2. No charges for taxes, transportation, boxing, packaging, crating or returnable containers will be allowed and paid by the City unless separately stated hereon. All sales, use, excise or similar taxes to be paid by the City must be itemized separately hereon and on invoices. The City is exempt from payment of Federal Excise Tax under Certificate No. 95-73 0502K and none shall be charged to the City.
3. The City's obligation to pay the sum herein stated for any one fiscal year shall be contingent upon the City Council of the City appropriating the necessary funds for such payment by the City in each fiscal year during the term of this Contract. For the purposes of this section a fiscal year commences on October 1 of the year and continues through September 30 of the following year. In the event that the City Council of the City fails to appropriate the necessary funds for any fiscal year, then, and in that event, the Contract will terminate at no additional cost or obligation to the City.
4. Contractor shall deliver the materials, equipment, supplies or services, or cause the work to be performed, within the time and in the manner specified in the Contract. Times and dates stated herein are of the essence. If at any time Contractor has reason to believe that deliveries will not be made as scheduled, written notice setting forth the cause of the anticipated delay shall be given immediately to the City. Deliveries must be prepaid. C.O.D. shipments will not be accepted.
5. The City reserves the right at any time to make changes in drawings and specifications, in methods of shipment and packaging and in place of delivery as to any articles covered by this Contract. In such event there will be made an equitable adjustment in price and time of performance mutually satisfactory to Contractor and the City; but any claim by Contractor for such an adjustment must be made within thirty (30) days of such change.
6. Contractor warrants that the goods, machinery or equipment delivered or the work performed hereunder shall conform to the specifications, drawings, samples or other description specified by the City and shall be fit and sufficient for the purpose intended, merchantable, of good material and workmanship, in good working order and free from defect or faulty workmanship for a period of ninety (90) days. When defective goods, machinery, or equipment or faulty workmanship is discovered which requires repair or replacement pursuant to this warranty, Contractor shall provide all labor, materials, parts and equipment to correct such defect at no expense to the City.
7. Contractor shall defend, indemnify and hold the City, its officials and employees harmless from any and all loss, damage, liability, demands, claims, causes of action, costs and expenses (including reasonable attorney' fees) for injuries to persons (including death) or damage or destruction of property connected with or arising from the negligent acts or omissions of Contractor, its officers, agents and employees in the performance of this Contract.
8. The City reserves the right to terminate this Contract at any time in whole or in part even though Contractor is not in default hereunder. In such event there will be made an equitable adjustment of the terms that is mutually satisfactory to the City and Contractor. Upon receipt of any notice of such termination, Contractor shall, unless such notice otherwise directs, immediately discontinue all work on the Contract and deliver, if and as directed, to the City all completed and partially completed articles, work in process and materials purchased or acquired for performance of the Contract. The provisions of this section shall not limit or affect the right of the City to terminate this Contract immediately upon written notice of breach.
9. The City reserves the right to cancel this Contract or any part thereof and reject delivery of goods if delivery is not undertaken and completed when specified and in accordance with specifications. Contractor shall be charged for any direct losses, but not any consequential damages, sustained by the City by reason of such delay or failure, excepting losses caused by a delay for reasons beyond Contractor's reasonable control. Direct losses shall include any costs to the city in excess of the Contract price of obtaining goods from other sources similar to those cancelled or rejected hereunder.
10. The City shall pay to Contractor the price(s) specified in the Contract on delivery of the materials, equipment, supplies or services and acceptance thereof by the City Manager or his designee, or upon completion of the work to be performed and accepted thereof, as specified in the Contract. Defective articles or articles not in accordance with the City's specifications shall be held for Contractor's instructions at Contractor's risk, and if Contractor so directs will be returned at Contractor's expense.
11. No return or exchange of material, equipment or supplies shall be permitted without written approval of the City Purchasing Agent.
12. All royalties for patents, or changes for the use of patents, which may be involved in any article to be furnished under this Contract shall be included in the Contract price.
13. In cases where a price subject to escalation has been agreed upon, the price escalation shall be shown as a separate item on the invoice. Unless an escalator clause has been shown as a specific part of this Contract Contractor shall not be entitled to reimbursement for costs incurred due to escalation.

14. All materials, supplies and equipment provided under this Contract shall be in full compliance with the Safety Orders and Regulations of the Division of Industrial Safety of the State of California, Title 8, California Code of Regulations (CAL/OSHA) and all applicable OSHA regulations as well as all other applicable California Code of Regulations. Contractor shall indemnify and hold the City, its officials, and employees harmless for, of and from any and all loss, including but not limited to fines, penalties and corrective measures, the City may sustain by reason of Contractor's failure to comply with said laws, rules and regulations in connection with the performance of this Contract.
15. Contractor shall keep confidential and not disclose to others or use in any way to the detriment of the City confidential business or technical information that the City may disclose in conjunction with this Contract or Contractor may learn as a result of performing this Contract.
16. This Contract shall not be assigned in whole or in part, nor any duties delegated without the City's prior written approval.
17. The remedies herein reserved shall be cumulative and additional to any other remedies at law or in equity. The waiver of any breach of this Contract shall not be held to be a waiver of any other or subsequent breach. The City's failure to object to provisions contained in any communication from Contractor shall not be deemed an acceptance of such provisions or a waiver of the provisions of this Contract.
18. This Contract shall not be amended or modified, except by written agreement signed by the parties and expressly referring to this Contract.
19. Contractor shall indemnify, hold harmless and defend the City, its officials and employees from any damage, claim, loss, cost, liability, cause of action or expense, including reasonable attorney's fees, whether or not reduced to judgment, arising from any infringement or claimed infringement of any patent, trademark or copyright, or misappropriation of confidential information or trade secrets of any third party and based on the manufacture, sale or use of goods, machinery or equipment supplied hereunder.
20. Contractor shall furnish further itemization and breakdown of the Contract price when requested by the City.
21. Contractor, in the performance of any work or the furnishing of any labor under this Contract, shall be considered as an independent contractor. Contractor, his agents and employees shall not be considered as employees of the City.
22. Contractor and subcontractor(s) shall not discriminate against any person in the performance of this Contract and shall comply with applicable federal, state and city equal employment opportunity laws, ordinances, rules and regulations. Contractor and subcontractor(s) shall not discriminate against any employee or applicant for employment or against any subcontractor on the basis of race, color, religion, national origin, sex, sexual orientation, AIDS, HIV status, age, disability, or handicap, subject to federal and state laws, rules and regulations.
23. Contractor shall comply with all applicable federal, state and local laws pertaining to the subject matter hereof.
24. Contractor shall submit samples of all documents that Contractor may require the City to execute to complete this transaction. By accepting these samples as part of the bid or by awarding the Contract to a Contractor who has submitted said samples, the City does not agree to the terms stated in said samples. This Invitation to Bid and Contractor's bid shall take priority over said samples and this Invitation and Contractor's bid shall become the Contract between the City and the Contractor.
25. All quantities stated herein are only ESTIMATES. The City reserves the right to increase or decrease these estimated quantities based on its actual needs and funds available.
26. The City reserves the right to exercise, at its option, an increase in expenditures by ten (10) percent annually, but the City does not guarantee such an increase.
27. Contractor shall cooperate with the City in all matters relating to taxation and the collection of taxes, particularly with respect to the self-accrual of use tax. Contractor shall cooperate as follows: (i) for all leases and purchases of materials, equipment, supplies or other tangible personal property totaling over \$100,000 shipped from outside California, a qualified Contractor shall complete and submit to the appropriate governmental entity the form in Appendix "A" attached hereto; and (ii) for construction contracts and subcontracts totaling \$5,000,000 or more, Contractor shall obtain a sub-permit from the California Board of Equalization for the Work site. "Qualified"



means that the Contractor purchased at least \$500,000 in tangible personal property that was subject to sales or use tax in the previous calendar year.

In completing the form and obtaining the permit(s), Contractor shall use the address of the Work site as its business address and may use any address for its mailing address. Copies of the form and permit(s) shall also be delivered to the Purchasing Agent. The form must be submitted and the permit(s) obtained as soon as Contractor receives a notice of award. Contractor shall not order any materials or equipment over \$100,000 from vendors outside California until the form is submitted and the permit(s) obtained and, if Contractor does so, it shall be a material breach of the Agreement. In addition, Contractor shall make all purchases from its Long Beach sales office and the Long Beach sales office of its vendors if those vendors have a Long Beach office and all purchases made by Contractor under this Agreement which are subject to use tax of \$500,000 or more shall be allocated to the City of Long Beach. Contractor shall require the same form and permit(s) from its subcontractors.

Contractor shall not be entitled to and by signing this Contract waives any claim or damages for delay against City if Contractor does not timely submit these forms to the appropriate governmental entity. Contractor may contact Rosie Bouquin at 562-570-7079 for assistance with the form.

28. The California Integrated Waste Management Act (Public Resources Code, Sec. 40000 et seq.) requires governmental entities to achieve fifty (50) percent diversion of waste. In conjunction with the City's Integrated Resources Bureau, the City is currently developing an Environmentally Preferable Product (EPP) procurement plan. These guidelines enable the City Purchasing Agent to greatly expand procurement programs by moving beyond a singular consideration of "recycled-content". EPP procurement facilitates the purchase of products that qualify within a broad range of "environmentally preferable" criteria, such as: minimal packaging; energy savings; non-toxic; manufactured from sustainably-harvested materials. Contractor shall monitor products that fall within the EPP guidelines and document all criteria that qualifies the product as an EPP. Documentation from the manufacturer will be acceptable and may be required during the term of the Contract.

29. NOTICE TO BIDDERS REGARDING THE PUBLIC RECORDS ACT:

Responses to this Invitation to Bid become the exclusive property of the City of Long Beach. All Bids submitted in response to this Invitation to Bid are a matter of public record and shall be regarded as public records. Exceptions will be only those elements in each Bid that are defined by the Bidder as business or trade secrets and are marked as "Trade Secrets", "Confidential" or "Proprietary".

The City shall not be liable or responsible in any way for disclosure of any records not marked as "Trade Secrets", "Confidential" or "Proprietary". The City shall not be liable or responsible in any way for disclosure of any records so marked if disclosure is deemed to be required by law or by a court order.

30. THE FOLLOWING ADDITIONAL CONDITIONS APPLY ONLY IN CASES WHERE CONTRACTOR IS TO PERFORM WORK ON CITY PROPERTY:

- A. If at any time during the progress of the Work, Contractor shall allow any indebtedness to accrue for labor, equipment or materials, or which may become a claim against the City, Contractor shall immediately upon request from the City pay such claim or indebtedness or cause such lien to be dissolved and discharged by giving a bond or otherwise and, in case of his failure so to do, the City may withhold any money due Contractor until such claim or indebtedness is paid or may apply such money toward the discharge thereof; or in such event the City may, at its option, declare this Contract to be terminated, take possession and control of the Work, and complete the same or cause the same to be completed according to the specifications. Contractor shall pay to the City the difference between the Contract price and the actual cost to the City in completing or causing the Work to be completed.
- B. Contractor shall carry on the Work at its own risk until the same is fully completed and accepted and shall, in case of any accident, destruction or injury to the Work or materials before its final completion and acceptance, repair or replace the Work or materials so injured, damaged and destroyed, at his own expense and to the satisfaction of the City. When materials and equipment are furnished by others for installation or erection by Contractor, Contractor shall receive, unload, store and handle same at the Site and become responsible therefore as though such materials and equipment were being furnished by Contractor under the Contract.
- C. Contractor shall procure and maintain at Contractor's expense for the duration of the Contract the following insurance against claims for injuries to persons or damage to property which may arise from or in connection

with the performance of the Contract by Contractor, its agents, representatives, employees or subcontractors:

- (1) Comprehensive General Liability: \$1,000,000 combined single limit for each occurrence or \$2,000,000 General Aggregate for bodily injury, personal injury and property damage, including products and completed operations coverage.

The City, its officials, employees and agents shall be named as additional insureds as respects: liability arising out of activities performed by or on behalf of Contractor; products and completed operations of Contractor; and premises owned, leased or used by Contractor.

- (2) Automobile Liability: \$500,000 combined single limit per accident for bodily injury and property damage covering owned, non-owned and hired vehicles.
- (3) Workers' Compensation as required by the California Labor Code and Employers Liability limits of \$1,000,000 per accident.

Any self-insurance program and self-insured retention must be separately approved in writing by the City.

Each insurance policy shall be endorsed to state that coverage shall not be cancelled by either party or reduced in coverage except after thirty (30) days prior written notice to the City.

Contractor shall maintain at its expense, until completion of performance and acceptance by City, from an insurer:

- a. Admitted (licensed) in the State of California with a current financial responsibility rating of A (Excellent) or better and a current financial size category (FSC) of V (capital surplus and conditional surplus funds of greater than \$10 million) or greater rating as reported by A.M. Best Company or equivalent, unless waived in writing by City's Risk Manager, or
- b. Non-admitted in the State of California with a current financial responsibility rating of A (Excellent) or better and a current financial size category (FSC) of VIII (capital surplus and conditional surplus funds of greater than \$100 million) or greater rating as reported by A.M. Best Company or equivalent, unless waived in writing by City's Risk Manager.

All coverages for Subcontractors shall be subject to the requirements stated herein and shall be maintained at no expense to the City.

Contractor shall furnish the City with certificates of insurance and original endorsements providing coverage as required above. The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf.

Before any of Contractor's or Subcontractor's employees shall do any Work on the City's property, Contractor shall furnish the City with the required certificates evidencing that such insurance is being maintained. Such certificates shall specify the date when such insurance expires. Such insurance shall be maintained until after the Work under the Contract has been completed and accepted.

Such insurance as required herein or in any other documents to be considered a part hereof shall not be deemed to limit Contractor's liability under this Contract.

- D. Contractor shall defend, indemnify and hold harmless the City, its officials and employees from and against any and all liability for claims for bodily injury and property damage arising out of negligent acts, omissions or errors of any employee of Contractor at the Site.
- E. Contractor shall list the name and location of the place of business of each Subcontractor who will perform work, labor or services for Contractor, or who specially fabricates and installs a portion of the Work or improvement in an amount in excess of one-half of one percent of Contractor's total contract cost. The Subcontractor list shall be submitted with Contractor's Bid.



# COLB FORM SBE-2P: SBE/VSBE/LSBE COMMITMENT PLAN

## SECTION 1

<b>Project Name:</b>	Ambulances (Ten)	<b>Date:</b>	7/16/2009
<b>Prime Vendor:</b>	Emergency Vehicle Group, Inc.	<b>Prime Contract \$ Amount:</b>	1,796,470.00

<b>Estimated \$ Value of Prime's Participation:</b>	\$1,796,470	<b>Estimated % of Prime's Participation:</b>	98.4%
<b>Estimated \$ Value of SBE Participation:</b>	\$1,796,470	<b>Estimated SBE % of Prime Contract \$ Amount:</b>	98.4%
<b>Estimated \$ Value of VSBE Participation:</b>		<b>Estimated VSBE % of Prime Contract \$ Amount:</b>	
<b>Estimated \$ Value of LSBE Participation:</b>		<b>Estimated LSBE % of Prime Contract \$ Amount:</b>	

## SECTION 2 (please refer to instructions on page 2)

Business Name, City, State, Contact Person, Phone #	Indicate "SBE", "VSBE" or "LSBE"	Indicate if 1st Tier Sub, Lower Tier Sub, Vendor or Supplier	Contract With	Brief Description of Work	\$ Value of Subcontract, Materials or Services	% of Total Prime Contract Value
<i>Ex #1: ABC Land Surveyors Long Beach, CA Mr. Joe Smith, (562) 555-1212</i>	<i>LSBE</i>	<i>1st tier sub</i>	<i>XYZ Prime Consultant</i>	<i>Land surveying</i>	<i>\$100,000</i>	<i>20%</i>
<i>Ex #2: Tom's Survey Supplies Long Beach, CA Mr. Tom Jones, (562) 555-1313</i>	<i>VSBE</i>	<i>Supplier</i>	<i>ABC Land Surveyors</i>	<i>Surveying supplies</i>	<i>\$5,000</i>	<i>1%</i>
<i>Ex #3: Banana Blueprints Irvine, CA Mrs. Diane Tomas, (562) 555-1313</i>	<i>SBE</i>	<i>Supplier</i>	<i>XYZ Prime Consultant</i>	<i>Blueprint Supplies</i>	<i>\$10,000</i>	<i>2%</i>
Grafix Systems	N/A	Supplier	Emergency Vehicle Group	Lettering	\$28,200	1.6%

Travis B Grinstead  
Completed by: Prime Consultant Contact (please print or type)

714-238-0110 x224  
Phone #

Signature

7/20/09 tgrinstead@evginc.net  
Date Email



**COLB FORM SBE-4P: SBE/VSBE/LSBE SUBSTITUTION/CHANGE  
FORM FOR CONTRACTS**

**INSTRUCTIONS:** Prime Vendor completes Sections 1 and 2, and Section 3 if applicable, and submits form to the City of Long Beach Business Relations Manager (BRM). City BRM completes Section 4 and submits form to SBE Administrator to complete Section 5.

N/A

**Section 1: General Contract Information to be completed by Prime Consultant**

Name of Prime Consultant:	Emergency Vehicle Group, Inc.		
Contract Description: (from Section A, #2 of POLB Form SBE 3-P: SBE/VSBE/LSBE/LSBE Monthly Utilization Report - MUR):	Ambulances (Ten)		
Contract #:		Prime Contract Value:	
SBE/VSBE/LSBE Participation Goal Established by City: (if applicable)		VSBE Portion of Combined Goal:	
SBE/VSBE/LSBE Participation Goal Commitment by Prime:		VSBE Portion of Committed Goal:	

**Section 2: SBE/VSBE/LSBE Substitution/Addition Information: SBE/VSBE/LSBE To Be Added To be completed by Prime Consultant**

Name of SBE/VSBE/LSBE:		Scope of Work:	
Type of Firm (check one):	<input checked="" type="checkbox"/> Professional Services Firm	Other (list):	
SBE/VSBE/LSBE Contract Value:		% of Prime Contract Value:	
Reason for Addition to Project (check one):	<input checked="" type="checkbox"/> New SBE/VSBE/LSBE	<input type="checkbox"/> Replacing Existing SBE/VSBE/LSBE	<input type="checkbox"/> Replacing Other Existing Firm (non-SBE/VSBE/LSBE)
Other/Additional Information:			

Is the added SBE/VSBE/LSBE a substitution for an existing SBE/VSBE/LSBE? YES \_\_\_\_\_ NO X If YES, complete Section 3. If NO, proceed to Section 4.

**Section 3: SBE/VSBE/LSBE Substitution Information: SBE/VSBE/LSBE To Be Removed To be completed by Prime Consultant**

Name of SBE/VSBE/LSBE:		Scope of Work:	
Type of Firm (check one):	<input type="checkbox"/> Professional Services Firm	Other (list):	
SBE/VSBE/LSBE Contract Value:		% of Prime Contract Value:	
Reason for Substitution:			

**Section 4: POLB Program Management Division - Substitution Approvals To be completed by Program Mgmt Division**

Program Manager:		Signature:		Date:	
Division Manager:		Signature:		Date:	

**Section 5: POLB SBE/VSBE/LSBE Program - Substitution Approvals To be completed by SBE Administrator**

Is new SBE/VSBE/LSBE certified on <i>The City's</i> database and eligible for appropriate SBE/VSBE/LSBE status?		Yes		No
Comments/Additional Instructions:				
Verified by:	Erik Sund, SBE Administrator	Signature:		Date:

**ATTACHMENT C**

**SBE Administrator will return a signed copy of the completed form to the Program Manager.**

**PA02309  
CITY OF LONG BEACH  
TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE  
Comments and Exceptions**

<u>Instructions:</u>	Comply		
	Yes	No	
State comments and or exceptions in the blank spaces provided for each section regarding the vehicle or equipment offered corresponding to the specifications set forth. FAILURE TO STATE EXCEPTIONS IN THE SPACE PROVIDED WILL BE DEEMED TO BE AGREEMENT TO MEET MINIMUM SPECIFICATIONS	✓		
<u>General:</u>  This specification describes a new, unused, latest model minimum one and one-quarter ton truck chassis-type vehicle specifically constructed for emergency transport of injured or sick individuals by the City of Long Beach, Fire Department, Advanced Life Support Unit. Cab and chassis manufacturer shall provide vehicle with ambulance builder's preparation package. The ambulance shall be completely equipped as specified and be ready for service upon delivery.  The unit shall comply will the latest editions of the Vehicle and Administrative Code of the State of California, Code of Federal Regulations, Federal Motor Vehicle Safety Standards, provisions of California OSHA, Standard of Automotive Engineering and built in accordance with the ambulance design criteria of the National Highway Traffic Administration, U.S. Department of Transportation. The omission from the specifications of any standard feature as shown in the manufacturer's brochure shall not relieve the successful bidder from the responsibility of furnishing a complete fire department apparatus with all of the manufacturer's latest improvements in the current production unless specifically deleted in the specifications.  The apparatus and all components, not otherwise mentioned, shall be standard production items unless otherwise specified.	✓             ✓             ✓		

**PA02309**  
**CITY OF LONG BEACH**  
**TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE**

	Comply		Comments and Exceptions
	Yes	No	
<p>The manufacturer of the vehicles shall have the ability to manufacture a complete advanced life support (ALS) unit within their plant facility, with the exception of the cab and chassis. The complete modular body must be built "In House" by the manufacturing firm and not "Contracted Out" to another company, corporation, or production site. Accessories such as light bars, sirens, etc. are not considered as basic components of the modular body. The ambulance manufacturer must have been in the business of constructing modular ambulance bodies for a minimum of five (5) years and have built at least five hundred (500) modular ambulance bodies during this period.</p> <p>Single-source responsibility for all warranties pertaining to the modular body and ambulance conversion workmanship is the responsibility of the manufacturer. Modular body warranty from other than the final conversion manufacturer will not be acceptable.</p>	<p style="font-size: 2em;">✓</p> <p style="font-size: 2em;">✓</p>		
<p><b>BRAND NAMES:</b></p> <p>Whenever in the specifications any material or process is indicated or specified by patent or proprietary name and/or by name of manufacturer, such specifications shall be used for the purpose of facilitating descriptions of the material and/or process desired and shall be deemed to be followed by the words "or approved equal".</p> <p>The contractor may offer any material or process which shall be equal in every respect to that so indicated or specified, provided however, that if the material, process or article offered by the contractor is not, in the opinion of the City of Long Beach, equal in every respect to that specified, then the contractor must furnish the material, process or article specified or one that in the opinion of the City of Long Beach is the equal thereof in every respect.</p>	<p style="font-size: 2em;">✓</p> <p style="font-size: 2em;">✓</p>		

**PA02309  
CITY OF LONG BEACH  
TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE**

	Comply		Comments and Exceptions
	Yes	No	
<b>DELIVERY:</b>  Delivery of the ambulances shall be under its own power to allow for "break-in" period.	✓		
<b>FINAL ACCEPTANCE:</b>  The purchaser shall perform an acceptance test and a visual inspection of all on-board equipment and vehicle components in addition to conducting a road test of each unit.	✓		
<b>DESCRIPTION:</b>  Ambulance shall be constructed of conventional truck cab chassis (Type I) with minimum of one and one-quarter ton rating with rear wheel drive. Truck cab/chassis shall be of regular cab configuration, dual rear wheels (DRW), with Ambulance Prep Package included.  <b>Acceptable Make/Model: Dodge Ram 4500</b>	✓  ✓		
<b>GROSS VEHICLE WEIGHT:</b>  Shall have a minimum GVWR of 16,500 pounds.	✓		
<b>AXLES:</b>  Front: Shall have a minimum GAWR of 7,000 lbs. Rear: Shall have a minimum GAWR of 12,000 lbs.	✓		
<b>AXLE RATIO:</b>  Shall be 4.44 to 1 ratio.		✓	<i>See Classification</i>
<b>CAB TO AXLE:</b>  Distance from Cab to Axle shall be a minimum of 84".	✓		
<b>WHEELBASE:</b>  Wheelbase shall be approximately 165".	✓		

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CITY OF LONG BEACH  
TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE**

**Comments and Exceptions**

	Comply		
	Yes	No	
<p><b>FRAME:</b></p> <p>1. Frame rails shall be constructed with "C" channel and rated at 50,000 PSI. ✓</p> <p>2. Frame shall have sufficient number of cross members to provide torsional rigidity strength and to support the frame rails where fuel tanks and rear suspension assemblies will be mounted. Heavy-duty cross members shall be provided for rear spring mounting bolts at the front and rear spring suspension area to preclude stress cracks. ✓</p>			
<p><b>SUSPENSION:</b></p> <p>Shall provide heaviest duty available engineered for smoothest ride possible for the specified GAWR and shall have sufficient spring reserve capacity to position itself level or parallel to the ground when loaded as well as when empty. ✓</p> <p>Stabilizer bars front and rear shall be one and a quarter inch diameter and shall be installed by the Original Equipment Manufacturer (OEM). ✓</p>			
<p><b>REAR AIR RIDE SUSPENSION:</b></p> <p>A Kelderman or approved equal, rear two (2) bag air suspension shall be included. A rear air bag suspension is necessary to lower the frame rails to load and off-load patients. An automatic dump valve to be included with the equipment. A "fill" and "dump" switch shall be located at the rear patient doors. A "dump" indicator light shall illuminate at the cab center console when air system is exhausted. ✓</p> <p>Air ride suspension shall have electronic valves. ✓</p>			<p><i>See Clarification per Addendum #2</i></p>
<p><b>SHOCK ABSORBERS:</b></p> <p>Front: Heavy Duty. ✓ Rear: Heavy Duty.</p>			



**PA02309**  
**CITY OF LONG BEACH**  
**TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE**

	Comply		Comments and Exceptions
	Yes	No	
<b>ENGINE:</b>			
Engine shall be diesel powered for long years of service and dependability.	✓		
Engine shall meet the specifications set forth by the <b>California Air Resource Board</b> certified as a " <b>Clean-Idle</b> " emissions compliant.	✓		
Engine shall be a in-line 6 cylinder, minimum of 6.7 Liter, diesel-powered engine with an inter-cooled turbo charger.	✓		
1. 305 HP @ 2900 RPM, 610 Ft Pounds Torque			<i>See Clarification to specification</i>
2. Engine shall come equipped with an external oil cooler.	✓		
3. Engine shall be equipped with an exhaust engine brake.	✓		
<b>TRANSMISSION:</b>			
1. Transmission shall be 6-speed, automatic type.	✓		
2. Provisions shall be made for PTO accessories.	✓		
3. Transmission shall come equipped with external transmission oil cooler.	✓		
4. Transmission shall include a Mag-Hytec or equivalent, double-deep, extra capacity transmission pan.	✓		<i>See Clarification per Addendum #2</i>
<b>FILTERS:</b>			
1. Oil filter shall be spin on/off type.	✓		
2. Air filter shall be replaceable element (dry) type.	✓		
<b>COOLING SYSTEM:</b>			
1. Manufacturer's heaviest cooling capacity available option for engine furnished shall be capable of maintaining proper operating temperatures under all conditions in the Long Beach area including extended	✓		

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TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE**

	Comply		Comments and Exceptions
	Yes	No	
<p>periods of idling with the air conditioning on.</p> <p>2. Antifreeze – Antifreeze used shall be highest grade with 100,000 mile interval changes. Glycol protection to a temperature of not less than minus 20 degrees Fahrenheit.</p> <p>3. Radiator and heater hoses shall be EPDM Nomex lined.</p>	✓		
<p><b>STEERING:</b></p> <p>1. Shall be power-assisted factory standard with tilt wheel.</p> <p>2. Turning radius shall be approximately 45 degrees.</p>	✓		
<p><b>WHEELS:</b></p> <p>Front: Two (2) 19.5" X 6.0" minimum steel type, painted to match job color.</p> <p>Rear: four (4) 19.5" X 6.0" minimum steel type, painted to match job color.</p> <p>One (1) spare steel disc type wheel 19.5" X 6.0" minimum shall be provided. Painted to match job color.</p>	✓		<p><i>See Classification per Addendum #2</i></p>
<p><b>SIMULATED STAINLESS STEEL WHEEL COVERS:</b></p> <p>Four (4) Phoenix simulated stainless steel DOT liners or equivalent shall be provided. Valve extensions shall be included to facilitate tire maintenance.</p>	✓		

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TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE**

	Comply		Comments and Exceptions
	Yes	No	
<p><b>TIRES:</b></p> <p>Two (2) front tires Michelin XZE LT225/70R/19.5 load range F.</p> <p>Four (4) rear tires Michelin, XZE LT225/70R/19.5, load range F.</p> <p>One (1) spare tire, Michelin XZE LT225/70R/19.5, load range F (shipped loose).</p>	<input checked="" type="checkbox"/>   <input checked="" type="checkbox"/>  <input checked="" type="checkbox"/>	<input type="checkbox"/>   <input type="checkbox"/>  <input type="checkbox"/>	<p><i>See Clarification per Addendum #2</i></p>
<p><b>BRAKES:</b></p> <ol style="list-style-type: none"> <li>1. Service brakes shall be heavy-duty hydraulic with power assist.</li> <li>2. Emergency brake shall be factory standard.</li> <li>3. Front disc and rear disc shall be largest available for specified axles, as per KKK-A-1822F specifications.</li> <li>4. Lining shall be non-asbestos.</li> <li>5. Unit(s) shall be equipped with ABS, front and rear.</li> </ol>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
<p><b>ELECTRICAL SYSTEM:</b></p> <p>Shall be a 12-volt negative ground system.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<p><b>AUTO THROTTLE CONTROL/HIGH IDLE:</b></p> <p>An automatic high idle device to charge vehicle battery system shall be provided. Auto throttle shall activate when parking brakes are applied and the vehicle is in the "Park" position.</p> <p>Unit is to be mounted under the driver's seat.</p> <p>The throttle shall have four (4) programmable memories for RPM from 1300 to 2500. A protective plastic kick panel or box installed shall cover face of automatic high idle module.</p>	<input checked="" type="checkbox"/>   <input checked="" type="checkbox"/>  <input checked="" type="checkbox"/>	<input type="checkbox"/>   <input type="checkbox"/>  <input type="checkbox"/>	

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	Comply		Comments and Exceptions
	Yes	No	
<b>ALTERNATOR:</b>  Shall be of heavy-duty service having a minimum of 220 amp.	✓		
<b>BATTERIES:</b>  1. Four Group 31 equivalent Odyssey Gel-Cell batteries shall be provided. Model # 31-PC-2150. Gel-Cell batteries shall have 1150 cold cranking amps, <b>No Exceptions.</b> 2. Two vehicle batteries shall be located in the engine compartment and two additional batteries shall be located in the curb-side battery compartment. 3. All batteries and their power leads shall be of SGX wire with crimped, water-proofed, sealed terminals. 4. One of the batteries shall be isolated for communication equipment. Isolated battery will not drain down the remaining three vehicle batteries.	✓  ✓  ✓  ✓		
<b>WIRING:</b>  1. All wiring must be color-coded and numbered. 2. All electrical wiring shall be point-to-point single wiring. <b>No multi-plexing.</b> 3. All exterior wires, wire harnesses, terminals or connectors subject to road grime, dirt, moisture and rock throw, shall be adequately protected and hermetically sealed. 4. Whenever possible, individual wires shall be grouped into harnesses and properly supported on rigid members to prevent abrasion and flexural failure. 5. Grounding terminals for all circuits shall be securely soldered and crimped to copper terminal and bolted to frame with star washers. 6. Buss bar harness behind driver's seat shall have an insulated protective cover.	✓ ✓ ✓  ✓  ✓  ✓		

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**CITY OF LONG BEACH**  
**TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE**

	Comply		Comments and Exceptions
	Yes	No	
<p><b>NOTE:</b> Scotch-Lock wire connectors are not acceptable. <b>No Exceptions.</b></p> <p><b>NOTE:</b> Ambulance builder shall provide a detailed wiring schematic of all electrical components. <b>No Exceptions.</b></p>	✓		
<p><b>BATTERY MASTER SWITCH:</b></p> <p>A heavy-duty Cole-Hersee M-750 series master switch, or approved equal, shall be provided. Switch shall be mounted underneath the driver's seat.</p> <p>The mobile two-way radios, mobile data terminals and the ambulance body shall be wired to the master battery switch.</p>	✓		
<p><b>MOBILE JUMP START CONNECTOR:</b></p> <p>A Goodall Manufacturing or approved equal, quick connect for mobile jump-starting shall be provided. A 25'1 AWG heavy gauge cable with male 175 AMP Lexan quick connect plug on one end and battery cable clamps on the other end shall be provided</p> <p>A female 175 AMP Lexan quick connect coupling shall be permanently mounted in the battery tray on the right side of the ambulance body.</p> <p>Exact location to be determined at engineering conference.</p>	✓		
<p><b>DASH GAUGES:</b> Shall include but not limited to the following:</p> <ol style="list-style-type: none"> <li>1. Fuel</li> <li>2. Coolant temperature</li> <li>3. Oil pressure</li> <li>4. Voltmeter</li> <li>5. Engine hour meter</li> <li>6. Speedometer/ Trip odometer combination</li> <li>7. Tachometer</li> <li>8. All gauges shall be fully illuminated for</li> </ol>	✓ ✓ ✓ ✓ ✓ ✓ ✓		

**PA02309**  
**CITY OF LONG BEACH**  
**TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE**  
**Comments and Exceptions**

	Comply		Comments and Exceptions
	Yes	No	
night operation and be located in front of driver at a readily visible location.	✓		
<b>HOURMETER:</b>  A Stewart/Warner, or approved equivalent, hourmeter shall be provided and installed in the cab center console. Hourmeter shall be wired to the engine to accurately account maintenance intervals.	✓		
<b>FUEL TANK:</b>  Tank shall have a minimum of 52 gallon capacity, left side mounted. Fill spout area shall be protected from mud accumulation to prevent contamination of fuel when refueling and shall be frame mounted. Tank shall be prominently labeled - " <b><u>DIESEL FUEL ONLY</u></b> ".	✓		
<b>EXHAUST SYSTEM:</b>  The exhaust system shall be OEM standard for 2010 diesel emissions and shall terminate behind the rear axle on the passenger's side away from the fuel fill area.	✓		
<b>MODIFIED EXHAUST TAILPIPE:</b>  The tailpipe shall be modified to accommodate Niederman Vehicle Station Exhaust equipment. A magnetic exhaust hose holder shall be mounted on the ambulance body. Location to be determined at engineering conference.	✓		
<b>ADDITIONAL ENTRY GRAB HANDLE:</b>  An additional grab handle shall be provided in the cab on the passenger side, "A" pillar mounted.	✓		
<b>EXTERIOR LIGHTS: (Stop, Turn, Back-up)</b> Minimum lighting equipment including but not limited to:	✓		

**PA02309**  
**CITY OF LONG BEACH**  
**TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE**  
**Comments and Exceptions**

		Comply		Comments and Exceptions
		Yes	No	
1.	All lighting shall conform to FMVSS, D.O.T. and N.F.P.A. standards and exceed the minimum KKK ambulance specifications.	✓		
2.	Lights shall have separate Stop/amber LED turn signal, and backup lights located in kick panel below patient door area. Rear kick panel lighting shall be pop-rivet mounted to body (No cap screws or sheet metal screws).	✓		
3.	One (1) Whelen, Series 700, Super L.E.D. stoplight with red lens and chrome flange ring shall be mounted top center of the rear ambulance body above the patient doors, to come on with the brake lights. (see Attachment #B).	✓		
4.	For the type of service application, this equipment will be subjected to damage to unduly exposed or protruding parts of the body to the rear. Therefore, tail, stop, backup and license plate bracket shall be recessed flush with body or bumper or otherwise protected to prevent damage.	✓		
	D.O.T. reflectors shall also be provided to meet State of California Vehicle Code	✓		
<b>INTERIOR DOME LIGHT:</b>				
	A Weldon model # 8086 red/clear interior dome light shall be provided. Location shall be directly above the passenger's seat. The light shall be powered off of the battery switch. The clear interior dome light shall illuminate with an open cab door. The red portion of the interior dome light shall be illuminated by light switch.	✓		
<b>OPEN DOOR INDICATOR LIGHT:</b>				
	A cab OPEN DOOR light shall be provided in clear view of the operator. Cab door open indicator light shall be on a flashing circuit with any open door. Location shall be in center roof area.	✓		

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	Comply		Comments and Exceptions
	Yes	No	
<b>ADDITIONAL AIR HORN:</b>			
A Buell Hi-Low model # 5440 air horn, or approved equal, shall be provided. The horn shall function from an on-board compressor mounted on the chassis frame rail. A rubber push button switch located in the center cab console shall operate the horn.	✓		<i>See Clarification per Addendum #2</i>
Mounting of 10" and 12" horn trumpets shall be in the front bumper assembly.	✓		
Exact location to be determined at the engineering conference.	✓		
<b>OTHER CAB OPTIONS:</b> The cab options shall include but not limited to the following:			
1. Ambulance Prep Package	✓		<i>See Clarification per Addendum #2</i>
2. Cloth Captain's Chairs. <b>NO EXCEPTIONS</b>	✓		
3. Vinyl Cab Flooring	✓		
4. Driver and Passenger Air Bag	✓		
5. Cab Air Conditioning and Heater	✓		
6. Speed/Cruise Control	✓		
7. Tilt Steering Wheel	✓		
8. Variable Intermittent Wiper Controls	✓		
9. Power Windows and Door Locks	✓		
10. Electric and Power Heated Flip-up Trailer/Tow Mirrors	✓		
11. Chassis undercoating	✓		
12. AM/FM/Stereo/Clock/CD Radio.	✓		
13. Overhead reading lights over both seats.	✓		
14. O.E.M. Removable Vinyl Floor Mats	✓		
15. Fire extinguisher and bracket - 5# BC dry chemical with <u>metal valves</u> (not plastic). Vendor shall ship loose.	✓		
16. All units shall be keyed alike. <b>No exceptions.</b>	✓		
17. Heater and windshield defroster shall be of adequate size and design to keep cab comfortably warm and to keep windshield clear under all adverse weather conditions. Heater blower three (3) speed minimum.	✓		
18. Seat belts - two (2), one for each passenger. Anchorage to meet FMVSS.	✓		



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		Comply		Comments and Exceptions
		Yes	No	
	Boot type seat belt retractors for right side and left side positions. This must be a 3-point over shoulder type seat belt that is mounted to cab interior.	✓		
19.	Horn shall be dual electric.	✓		
20.	Audible headlight "On" alert.	✓		
21.	Hand held spotlight shall be installed in cab compartment at passenger seat base.	✓		
22.	Cab door panels shall have door lights and speakers that have protective grills.	✓		
23.	Cab doors shall have storage bin insert.	✓		
24.	Two (2) heavy-duty garment hooks shall be provided and mounted directly behind cab seating 1" below the headliner seam.	✓		
25.	A map box, 15'H X 13" W X 3" D, shall be permanently mounted between the cab seats and constructed of a least 18-gauge stainless steel.	✓		
26.	No Day-time Running lights.	✓		
<b>ADDITIONAL AIR CONDITIONING CONDENSER:</b>				
	An additional cab condenser shall be provided for the ambulance body and shall be rated for extreme duty for the service of the vehicle.	✓		
<b>CAB CENTER CONSOLE/CONTROL PANEL:</b>				
1.	The cab center console shall have sufficient space to house the various battery lights, gauges, open door indicator lights and various selector switches.	✓		
2.	These switches shall include the following but not limited to:	✓		
a.	Emergency lighting	✓		
b.	Ambulance modular body isolation switch	✓		
c.	Ammeter	✓		
d.	Voltmeter	✓		
e.	Patient area air conditioning and heating switch	✓		
f.	Rear back-up alarm momentary shut-off switch	✓		
g.	12 Volt DC Power point connector	✓		

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h. Engine hourmeter				
3. All cab instrument panel gauges, switches and lights shall have legible nomenclature.	✓			
4. All cab console labels shall be readable from the driver or passenger seats and shall be of contrasting color.	✓			
5. All cab instrument console switches and wiring shall be wired into bulk wire loom harnesses for "quick disconnect" or routine maintenance access. Location of switches to be determined at engineering conference.	✓			
<b>CAB INSTRUMENT PANEL ROCKER SWITCHES (See attachment #A for switch layout)</b>				
1. All cab instrument panel switches shall be Cole-Hersee 2-pole illuminated wide rocker switches or approved equal.	✓			
2. All individual rocker switches shall be wired "Hot" through the master battery switch.	✓			
3. Emergency Master switch shall illuminate all Code 3 lighting in the "on" position.	✓			
4. There is to be a total of twenty (20) rocker switches.	✓			
5. The rocker switches shall control all emergency lighting, headlight flashers, patient area control switches, and cab selector switches.	✓			
6. One (1) Cole-Hersee switch shall be a three (3)-position switch and be designated as the "Emergency Master".	✓			
a. The top position shall illuminate all emergency lighting and be labeled "City"	✓			
b. The middle position shall be the "off" position	✓			
c. The bottom position shall be labeled "Freeway" and shall ONLY illuminate the rear amber lights in the "on" position.	✓			
7. All lights shall be identifiable.	✓			
8. All wiring for emergency lighting and other	✓			

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accessories shall have bulk-wiring harnesses for quick disconnect for easy maintenance access.			
<p><b>RUNNING BOARDS/GRAVEL GUARDS:</b></p> <p>A running board shall be installed on each side below the cab entry doors and extend from the rear of the front wheel well opening and to the front of the body compartment. Running boards shall be made of polished etched aluminum diamond plate. Running boards shall be mounted to the frame rails for structural support.</p> <p>Gravel guard or stone shields shall be provided on the bottom 24" of the forward facing modular ambulance body.</p>	<p>✓</p> <p>✓</p>		
<p><b>SKID PLATES:</b></p> <p>Shall be located on the bottom of the rear bumper.</p>	<p>✓</p>		
<p><b>FRONT BUMPER GUARDS:</b></p> <p>Front bolt-on bumper guards shall be provided. Front bumper guards are an addition to the OEM stock bumper. Bumper guards shall be outboard of under bumper air-horn trumpets.</p>	<p>✓</p>		
<p><b>AMBULANCE BODY:</b></p> <p>The body specifications listed will serve as a basis of the floor plan, compartments, and features the City requires and shall conform to criteria set forth in the CFR, FMVSS and the Ambulance Builders Standard. It is intended that the manufacturer in the selection of components will use material and design practices that are the best available in the industry for the type of operating conditions to which the unit(s) will be subjected. Type of construction, materials used, and length of guarantee shall be provided with bid. Roof, walls, floors, cabinets, doors, storage devices/latches, lighting fixtures, electrical</p>	<p>✓</p>		

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	Comply		Comments and Exceptions
	Yes	No	
<p>systems, and other component parts shall be selected to achieve the maximum durability requirements of this specification. All parts, equipment and accessories shall conform in strength, quality of material and workmanship to recognized industry standards.</p> <p><b>Measurements listed are to be considered approximate unless otherwise stated. It is the responsibility of the vendor to provide their exact measurements and insure component and compartment installation is precise and within accepted industry standards.</b></p> <p>The ambulance body shall carry a minimum of a fifteen (15) year warranty on materials and workmanship. The manufacturer shall complete all body warranty work at an approved location determined by the Fleet Services Bureau.</p> <p>Warranty must be stated in number of years. <b>Terms such as lifetime are not acceptable.</b></p>	<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>		
<p><b>DIMENSIONS:</b></p> <ol style="list-style-type: none"> <li>1. Shall have a maximum exterior width of 95".</li> <li>2. Shall have a maximum overall chassis and body length of approximately 281".</li> <li>3. Interior height in center aisle shall be a minimum of 70".</li> <li>4. Exterior height of vehicle shall be a maximum of 107".</li> <li>5. Length of modular body shall be a maximum of 163".</li> </ol>	<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>		<p>See Clarification per Addendum #2</p>
<p><b>PASS THROUGH MODULAR WINDOW:</b></p> <p>Pass through window from cab chassis to modular body shall be included. A minimum opening of 18" X 18" window shall be provided.</p>	<p>✓</p>		
<p><b>ENVIRONMENTAL CONTROL SYSTEM:</b> Shall include but not limited to the following:</p>			

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	Yes	No	
Separate heating and air-conditioning systems with separate controls shall be provided for the cab and modular ambulance body.	✓		
<b>Cab:</b>			
1. Cab chassis heating and air-conditioning shall be heavy-duty factory standard.	✓		
<b>Patient Compartment:</b>			
1. Patient compartment shall have a minimum 36,000 BTUH heater with three (3)-speed blower capable of 500 CFM.	✓		
2. Patient compartment air-conditioning shall have a minimum 32,000 BTUH with three (3) -speed blower capable of 500 CFM.	✓		
3. All air conditioning lines and fittings shall be Aero-Quip E-Z clip type.	✓		
4. All heater lines shall be silicone rubber or high temperature EDPM/Nomex hoses that are approved for ambulance builder application.	✓		
5. A master on/off switch located on cab instrument console shall control " <u>Patient Compartment Heating and Air Conditioning</u> ".	✓		
6. Patient air conditioning shall incorporate an advanced micron filtration system.	✓		
7. Patient compartment shall have a thermostat with digital read-out.	✓		
8. Patient A/C Condenser shall be external mounted under curb-side ambulance body.	✓		
9. Underbody mounting bracket shall be properly sized to maximize the ground clearance.	✓		
<b>POWER DISTRIBUTION PANEL:</b>			
1. All connections, wiring circuits and fixtures	✓		

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		Yes	No	
<p>must be permanently labeled.</p> <p>2. Power distribution panel shall be housed within a readily accessible storage compartment within the patient compartment.</p> <p>3. Power panel shall be wall mounted and configured as current City units.</p> <p>4. Doors shall have adequate latches and gas struts for maximum support.</p> <p>5. One 12 Volt DC fluorescent light shall be included in the power distribution panel area.</p> <p><b>Location shall be established at pre-engineering conference.</b></p>		<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>		
<b>INTERIOR PATIENT COMPARTMENT:</b>				
<p>1. Seven (7) each overhead dual high/low intensity, LED dome lights mounted within recessed ceiling fixtures.</p> <p style="padding-left: 20px;">a. Four (4) positioned above primary patient cot in center aisle.</p> <p style="padding-left: 20px;">b. Three (3) positioned above secondary patient area on crew bench.</p> <p>2. One (1) fluorescent light (12-volt) mounted under cabinet to the left of CPR seat.</p> <p>3. One (1) Trucklite LED step well light to illuminate curbside entry door.</p> <p>4. All exterior compartments must have viewing lights, which are activated when opened.</p> <p>5. Two (2) 12-volt overhead fluorescent lights on 5-minute timers shall be installed and located on curbside near rear entry doors to illuminate interior of vehicle for restocking and inspection.</p> <p style="padding-left: 20px;">a. The two (2) lights shall be activated while the vehicle is running via a switch in the ambulance body switch panel.</p> <p style="padding-left: 20px;">b. Timer switches shall be delay type, National Control Corporation, Model No. DT864.</p>		<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>		

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	Yes	No	
6. Five (5) access panels with removable covers shall be evenly located in patient compartment headliner for access to radio antennas and cabling.	✓		
<b>PATIENT CONTROL CONSOLE:</b>			
Patient control console for lights, environmental control, oxygen-suction, and patient monitoring shall be provided.	✓		
Location of patient area switches shall be in the curb-side passenger door entry area or in close proximity to the rear patient loading area.	✓		
<b>MODULAR ELECTRICAL SYSTEM:</b>			
1. Battery charger/inverter combination Heart Interface, Fleet Power 1500, or approved equal shall be provided. Inverter/Charger shall meet and exceed the Federal Ambulance Spec. KKK-A-1822F.	✓		
2. Three (3) 110 VAC outlets shall be located in the patient compartment. The 110VAC outlets shall be connected to converter circuit and shoreline power. One (1) outlet shall be located to the left of CPR seat and the other two (2) outlets located in the interior ALS compartment. <b>Exact locations of 110 VAC receptacles to be determined at pre-engineering conference</b>	✓		
<b>AUTO EJECT SHORE POWER:</b>			
There shall be a Kussmaul 30 amp shore power auto ejection connection located in the front left quarter panel of the vehicle. 30 amp shore power connection shall eject when the starter ignition is enabled. Auto eject plug receptacle shall have a spring loaded weather tight closure. 30 amp shore power connection shall power shall charge all vehicle batteries, mobile data terminals and all 12 V DC medical equipment stored in the ALS compartment.	✓		

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	Yes	No	
<p><b>AUTOMATIC LOAD MANAGEMENT:</b></p> <p>Automatic load management shall continually monitor ambulance-charging system during peak electrical load demands. A visual indicator located outside the vehicle shall be provided.</p> <p>System shall prevent discharging condition by sequentially turning off up to ten designated circuits for timed one-minute periods. The emergency lights or perimeter scene lighting shall not be load managed. <b>No exceptions.</b></p>	<p>✓</p> <p>✓</p>		
<p><b>EXTERIOR COMPARTMENT PLACEMENT AND DIMENSIONS:</b></p> <ol style="list-style-type: none"> <li>1. Oxygen tank, "M" type, in standing position located beside technician's chair with manual control valve. ✓</li> <li>2. Shall have "M" tank access through the patient compartment. Manufacturer shall supply oxygen "M" tank. Manufacturer shall provide two (2) metal straps to secure tank. ✓</li> <li>3. Manufacturer shall provide and install two (2) oxygen tank holders size "D". (As per City design and placement). ✓</li> <li>4. The left rear compartment door shall be of ¾ height to allow for additional interior storage. <b>Exact dimensions shall be determined at pre-engineering conference.</b> ✓</li> <li>5. All exterior compartment floors shall have Dri-Dek flooring on top of finished flooring. ✓</li> </ol>			
<p><b>INTERIOR COMPARTMENT PLACEMENT AND DIMENSIONS:</b></p> <ol style="list-style-type: none"> <li>1. "L" shaped handles shall be affixed to doors. (Finger holes unacceptable) ✓</li> <li>2. Facade shall be flush mount, no lips or grooves for ease of cleaning. ✓</li> <li>3. Adjustable shelving (shall be Uni-strut style). ✓</li> </ol>			



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		Yes	No	
4.	Clear doors shall be provided, (Tambored doors are not acceptable).	✓		
5.	Compartments and cabinets shall have sliding Lexan doors with security holes.	✓		
6.	Two-inch aluminum radius extruded corners throughout patient compartments to provide safe rounded corners while providing a durable finish.	✓		
7.	All electrical component access doors in patient compartment shall be flush fit with aluminum trim.	✓		
<b>OXYGEN AND SUCTION SYSTEMS:</b>				
1.	Oxygen system will be designed for 3,000 liters of medical oxygen stored in "M" tank with three (3) oxygen outlets. Two (2) outlets will be provided in the patient compartment and one (1) will be provided on the curbside wall.	✓		
a.	Manual control valve shall be accessible from technician's chair in patient compartment.	✓		
b.	Oxygen bottle contents gauge and regulator shall be visible from technician's chair and crew bench with manual off and on valve.	✓		
c.	Oxygen bottle mounting shall have three (3) hold down metal straps and shall be certified in accordance with Federal Ambulance Specification No. KKK-A-1822F.	✓		
d.	An aluminum cylinder wrench shall be chained in place near bottle storage regulator.	✓		
e.	Two (2) oxygen "D" size storage holders shall be provided. Exact location to be determined at engineering conference.	✓		
f.	A oxygen bottle harness shall come equipped with a Load-Assist system to facilitate one person operation.			<i>Item Deleted per Addendum #2</i>
2.	Suction system - An on-board vacuum aspirator with electric pump and impact resistant collection container shall be	✓		

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<p>provided near the patient head area. The suction aspirator shall be housed in the action area.</p> <p>a. 12-volt suction pump.</p> <p>b. Control switch shall be located on patient control panel.</p> <p>c. Suction aspirator shall have quick disconnect vacuum outlet to facilitate faceplate exchange to adapt various types of suction equipment.</p>	<p>✓</p> <p>✓</p> <p>✓</p>		
<p><b>INFECTIOUS WASTE DISPOSAL:</b></p> <p>1. One (1) Biohazard Waste (soft)-disposal passage with built-in receptacle shall be installed having exterior removable waste container capabilities. Location shall be to the front of the crew bench.</p> <p>2. Sharps Waste-disposal passage with built-in receptacle shall have exterior removable waste container. Location shall be to the front of the crew bench.</p> <p>3. Interior door protecting biohazard waste container shall be made of polished aluminum diamond plate with heavy-duty locking mechanism.</p>	<p>✓</p> <p>✓</p> <p>✓</p>		
<p><b>PATIENT COMPARTMENT VENTILATION:</b></p> <p>1. Slide-open windows shall be installed on the upper portion in all entry doors. No windows shall be included in the lower portion of the entry doors.</p> <p>2. Fresh air vents shall be located near air-conditioner output vents to create "venturi effect" when utilizing air-conditioner in airflow setting with fresh air vents open.</p>	<p>✓</p> <p>✓</p>		<p><i>See Clarification per Addendum #2</i></p>
<p><b>WALLS AND INSULATION:</b></p> <p>1. Shall have no molding and be free from ornamentation.</p>	<p>✓</p>		

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		Yes	No	
2.	Shall be fully insulated with Hi-Tech, reflective insulation package using reflectix or equal applied to walls, doors, roof, and floor.	✓		
3.	Interior walls shall be constructed of dry-erase material to be used as a writing surface. Ceiling material shall be compatible with dry-erase wall material.	✓		
4.	Complete interior; e.g. walls, floors, ceiling, cabinets, compartments including joints shall be sealed or designed to prevent contaminants from lodging in seams, voids, and provide ease of decontamination.	✓		
<b>FLOOR:</b>				
	Ambulance flooring shall be on Lonplate II commercial grade non-slip material. Color shall be Gunmetal Gray. All baseboards shall be of stainless steel material.	✓		
<b>UPHOLSTERY:</b>				
	Shall be constructed with heavy-duty seamless upholstery. Color shall be charcoal gray.	✓		
<b>AMBULANCE ATTENDANT SEATING</b>				
	An ambulance attendant seat shall be provided in the location of the pass-through doorway. Included in the attendant seating shall be additional storage of medical equipment below the attendant seat. The attendant seat shall hinge up with a paddle type release handle. The attendant seat shall have "hold-open" door hardware.	✓		
	Ambulance attendant seat shall have the ability to convert attendant seat into an approved child safety seat with seat harness.	✓		
<b>SQUAD/CREW BENCH:</b>				
1.	Two (2) gas strut opening cylinders shall be provides for each bench lid.	✓		

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2.	Bench lids shall have covered positive latching handles and protective edge trim with outward protrusion within or outside crew bench seat or equal to.	✓		
3.	Chrome handles shall be provided at the foot and head of the crew bench.	✓		
4.	Area underneath the squad bench shall have adequate storage for supplies and equipment.	✓		
<b>MANSAVER BAR:</b>				
	A personnel restraining Fire Research Corp MANSAVER bar shall be provided in lieu of cargo netting. Mounting of mansaver bar shall be at the head of the crew bench.	✓		
<b>GRAB RAILS:</b>				
1.	Handi-cap style grab handles 1-1/4 "size shall be provided for rear patient and curbside entry doors.	✓		
2.	Two (2) 1-1/4" grab rails shall be provided in ceiling (recessed or padded).	✓		
3.	Two (2) grab handles shall be provided for the CPR seat.	✓		
4.	Locations for all grab handles to be determined at engineering conference.	✓		
<b>HINGED FOLDING CPR SEAT:</b>				
	One (1) folding CPR seat shall be provided. CPR seat shall be latched in up right position and flush with counter top when lowered. Heavy-duty large construction rubber stops shall be provided for durability and strength. CPR seat bottom shall be hinged on rear and have a front lock mechanism. There shall be a storage area underneath the CPR seat base.	✓		
<b>PRIMARY AND SECONDARY PATIENT TRANSPORT:</b>				
1.	Primary patient: Vendor shall provide for	✓		

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<p>Stryker Power Pro XT Model #6500, 700 pound capacity gurney with gurney mounting system Model # 6370 or # 6377 for center mounting, with Trandelenberg position, Gurney shall be equipped with straps and cushion. Color shall be Maroon.</p> <p>2. Second patient shall have transport area on crew bench.</p>	<p>✓</p> <p>✓</p>		
<p><b>SEAT BELTS:</b></p> <p>All seating locations shall be equipped with retractable seat belts that meet FMVSS.</p>	<p>✓</p>		
<p><b>EXTERIOR BODY REQUIREMENTS (General):</b></p> <p>1. Suspension and stability of ride shall be smoothest ride possible for ambulance body.</p> <p>2. All compartments shall be adequately vented to allow for ease of closing of compartment doors.</p> <p>3. Additional guards around all four lower body corners.</p> <p>4. Rear step bumper: Entire structure shall be secured with nutsert type fastening devices using locking hardware.</p> <p style="padding-left: 20px;">a. The sub frame shall consist of two horizontal 2" x 3" steel tubes that are welded to the chassis frame.</p> <p style="padding-left: 20px;">b. At each end shall be a "wing" frame made of 7-gauge steel welded to horizontal tubes. Covering the wing shall be a two-piece contour shape cover of .100" thickness, heli-arc welded, polished aluminum diamond plate bolted to the wing with four 1/4" stainless steel bolts.</p> <p style="padding-left: 20px;">c. Center section shall be formed aluminum grip strut 9 1/2" wide x 47" long and hinged to 3" structural steel channel welded to horizontal tubes. This section shall flip up over-center toward the ambulance body for better access in-patient loading.</p>	<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>		

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d.	A red/white "reflexite" warning strip shall extend the full width and height of the rear face of the bumper flip up.	✓		
e.	Below the rear bumper step shall be steel fabricated skid plates to assist in preventing damage to the rear bumper if " <b>bottomed</b> " out.	✓		
f.	<b>Heavy reinforced bumper pontoons/</b> rubber dock pads shall be provided on both the right and left sides of the rear bumper.	✓		
g.	Flip up step/bumper shall be permanently bolted in the down position.	✓		
h.	Rubber padding shall be installed to prevent flip up step from rattling when in down position.	✓		
5.	Center of roof shall be configured in such a way as to allow water run-off (approximately one (1) inch higher than sides).	✓		
6.	Drip rails - aluminum drip rails shall be located above all exterior compartments.	✓		
7.	Exterior compartment doors shall include the following:	✓		
a.	All exterior compartment latches and hinges shall be the highest quality available.	✓		
b.	All exterior compartment doors shall be pan formed.	✓		
c.	All compartment door seals shall utilize a frame with a dedicated slot to hold a hollow-air cell extruded gasket.	✓		
d.	<b>No Perco style vents. No louvered vents.</b>	✓		
e.	Street-side exterior compartment doors shall have reinforced interior supports to accommodate mounting brackets for breathing apparatus.	✓		
8.	Inside of exterior compartments shall be constructed of brushed stainless steel.	✓		See Clarification per Addendum #2
9.	Stainless recessed kick plates shall be install on both the street sidewall and face of the squad bench.	✓		

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10.	Four (4) inch deep curbside cabinets over the squad bench with clear sliding doors shall be installed.	✓		
11.	Rubber wheel fenderettes and lower body diamond plate rub rail.	✓		
<b>PERSONNEL DOORS:</b>				
1.	Shall have stainless steel paddle handles and rotary latches with adjustable steel rods with turnbuckles.	✓		
2.	<b>All doors shall be keyed alike.</b>	✓		
3.	Personnel door seals shall utilize a frame with a dedicated slot to hold a hollow-air cell extruded gasket.	✓		
4.	Curbside entry door shall have sliding upper windows for ventilation in the patient compartment. No lower windows.	✓		
5.	Rear double doors shall be fixed windows.	✓		
6.	Doors shall have dark tint (20%) privacy glass.	✓		
7.	Shall have electric door locks with external weatherproof remote override switch under rear bumper passenger side.	✓		
8.	Electric patient compartment locks shall have two (2) switches. One (1) switch at the front of the squad bench inside the curbside door and one (1) switch at the rear of the squad bench inside the rear doors.	✓		
9.	Door interior shall have brushed stainless steel interior door panels.	✓		
10.	Doors shall have slide hinge type with "hold open" devices. Anchor points for the doors shall be heavy-duty industry standard. Each anchor point shall be secured with nutsert type locking nut and bolt to the body and the door.	✓		
11.	Curbside entry door shall have an electric door switch to alert the driver of an open door.	✓		
12.	Curbside access door shall have a Door Check spring type hold open.	✓		
13.	Curb-side passenger entry door shall illuminate curb-side SCENE lights.	✓		

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	Yes	No	
14. Curbside entry door shall have a clear opening of approximately 30" inches wide and 74" height.	✓		
15. Patient rear loading doors shall have a clear opening of 54" in height and 48" in width.	✓		
<b>DOORWAY HEAD PROTECTION:</b>  All personnel and patient access doors shall have interior padded head protection for protection against head injuries.	✓		
<b>ELECTRIC STEP FOR CURBSIDE ENTRY DOOR:</b>  A Kwikkee 12V DC electric retractable step shall be provided and mounted on curb-side entry door. An indicator light for the cab center console shall be included to alert the driver/operator of step deployment.	✓		
<b>CURBSIDE ALS COMPARTMENT:</b>  ALS compartment shall be located curb-side forward of the curbside entry door above the battery compartment. Dimensions for this compartment shall be approximately 29" wide X 45-1/2" tall. ALS compartment door shall be wired to alert the driver of an open door. ALS compartment shall have three (3) rubber coated open shelving. Compartment shall come equipped with an interior dome light. Opening compartment door shall also illuminate curb-side SCENE lights.	✓		
<b>CURBSIDE BATTERY COMPARTMENT:</b>  A curbside battery compartment shall be located ahead of the curbside entry door. Battery compartment shall be a sliding tray. Dimensions for battery compartment shall be approximately 29" wide X 16-1/2" tall. Battery compartment door shall have no hinge doors. Battery compartment door shall have sliding track	✓		



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**TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE**  
**Comments and Exceptions**

	Comply		
	Yes	No	
hardware. Battery compartment flooring shall be coated with Line-X material.	✓		
A Goodall Mfg. 175-Amp Mobile Jumper connector shall be mounted in this location.	✓		
<b>CURB-SIDE VERTICAL TALL COMPARTMENT FOR BACKBOARD STORAGE:</b>  One (1) exterior storage compartment shall be designated for backboard storage and shall be located in right rear corner of module behind the dual rear wheels. Backboard storage compartment shall have one (1) interior vertical divider located at the midpoint of the compartment interior and shall have five (5) horizontal shelves for C-Collar storage on right side of compartment. Interior vertical divider and horizontal shelves shall be adjustable and fully removable. Curb-side compartment shall have approximate dimensions of 81-1/2" tall X 18-1/2" wide X 18-3/4" deep. Compartment shall come equipped with a compartment LED dome light. Curb-side tall compartment shall also illuminate curb-side SCENE lights.	✓		
<b>CURB-SIDE STORAGE COMPARTMENT:</b>  A curb-side compartment shall be located between the dual rear wheels and the curb-side tall vertical compartment. Dimensions for this compartment shall be approximately 20-1/2" tall X 17-1/2" wide X 18-3/4" deep. Used for firefighter equipment storage.	✓		
<b>STREETSIDE COMPARTMENT BEHIND REAR AXLE:</b>  There shall be a street-side compartment located rear of the dual rear wheels. Compartment shall have one single door and hinge toward the front of the vehicle. Compartment shall be illuminated with an interior LED dome light. Hinged door shall have a .25" flat stock steel X 10" wide, vertically mounted down the center of the door to	✓		

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**Comments and Exceptions**

	Comply		
	Yes	No	
<p>accommodate firefighter SCBA storage.</p> <p>Streetside compartment shall store a 20A-120 BC Ansul Sentry fire extinguisher. A Zico bracket # KD-UH-6-SF will be installed to secure fire extinguisher to compartment wall.</p> <p>Dimensions for compartment door shall be approximately 39-1/2" tall X 37-1/4" wide X 18-1/2" deep. Street-side compartment shall also illuminate street-side SCENE lights</p>	✓		
<p><b>STREETSIDE COMPARTMENT AHEAD OF REAR AXLE:</b></p> <p>There shall be a double door compartment with the primary door located on the right side. Compartment shall come with an interior LED dome light. Primary door shall come with a .25" flat stock steel X 10" wide, vertically mounted down the center of the door to accommodate firefighter SCBA storage. Dimensions for compartment shall be approximately 39-1/2" tall X 40-3/4" wide X 18-3/4" wide. Street-side compartment shall illuminate street-side SCENE lights.</p>	✓		
<p><b>STREETSIDE FORWARD TALL COMPARTMENT:</b></p> <p>There shall be a single door compartment, hinged toward the front of the vehicle. Compartment shall come equipped with an interior LED dome light. Compartment shall be engineered to accommodate storage of tall oxygen bottles and <b>storage of the Stryker Stair-Chair # 6252 with 21" depth.</b> Compartment shall have a vertical partition located in the center of the compartment and one horizontal shelf located at 48" compartment height. Dimensions shall be approximately 59-1/2" tall X 19" wide X 18-3/4" deep. Compartment shall illuminate street-side SCENE lights when compartment door is opened.</p>	✓		

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WEIGHT ALLOWANCE:	Comply		
	Yes	No	
1. Minimum payload capacity shall be 2500 lbs., while unit is fully fueled.	✓		
<b>MISCELLANEOUS AMBULANCE EQUIPMENT:</b>			
2. Wastebasket - removal wastebasket shall be provided in recessed, out-of-way location.	✓		
3. 20-amp circuit for converter and shorepower system.	✓		
4. Clock -24 hour Vortec style digital shall be mounted in the action area and viewed from any position.	✓		
5. Two (2) 12-VDC outlets to charge 12-volt component equipment. One (1) shall be located forward of the CPR seat and one (1) located in the top left corner of the interior ALS compartment. <b>City to designate exact location at pre-engineering conference.</b>	✓		
6. Two (2) Cast Products IV hangers Model # IV-2008-1, shall be mounted in ceiling above primary patient location. One (1) installed street side 45" from rear of patient compartment coming forward, and one (1) installed curbside 62" from rear of patient compartment coming forward. <b>Location to be determined at construction conference.</b>	✓		
7. Two (2) Cast Products Inc IV hooks # IV-0001-1 shall be mounted on street-side interior. <b>Location to be determined at construction conference.</b>	✓		
8. Two (2) Streamlight "Vulcan" rechargeable hand lanterns with 12V DC direct wire charging bases shall be provided. One light shall be installed in street-side forward compartment ahead of the rear wheels and one light shall be installed in street-side compartment behind the rear wheels. <b>Location of charging bases shall be determined at pre engineering conference.</b>	✓		

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ELECTRONIC SIREN SYSTEM:	Comply		
	Yes	No	
1. Siren shall be Unitol TM-4.	✓		
2. Siren speakers shall utilize two (2) 100-watt grill speakers. Siren shall be controlled by the switch on the siren control head and/or by the horn button on the steering wheel.	✓		
3. Hand microphone shall be included with this equipment. Public address (P.A.) system and siren shall have the option of being wired to the siren "By-Pass" switch and shall be wired, hot (fused), to the vehicle battery master system.	✓		
<b>EMERGENCY LIGHTS: (See Attachment #B, from Whelen lighting)</b>  (Forward Facing) Shall include the following but not limited to:			
1. A Whelen Super LED light bar model # 4502LF86 shall be provided.	✓		
2. Light Bar mounting shall be forward facing on the top most part of the ambulance body and centered. (Below roofline)	✓		
3. The Whelen light bar configuration shall be RED/RED/CLEAR/RED/OPTICOM/RED/CLEAR/RED/RED.	✓		
4. Flash pattern shall be factory "Combat" triple flash.	✓		
5. The light bar shall be controlled by the emergency master switch and individually controlled by its own rocker switch.	✓		
6. Below the light bar shall be two (2) Whelen Series 900 LED lights model # 90RR5FRR with red lens covers.	✓		
a. The LED lights shall be mounted under light bar to the outboard side of body. <b>Exact location to be determined at pre engineering conference.</b>	✓		
b. Chrome flange rings shall be included.	✓		
c. The Series 900 LED lights shall	✓		

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	Comply		
	Yes	No	
<p>also have an individual rocker switch on the console.</p> <p>7. Two (2) Whelen Series 700 LED lights model # 70R02FRR with red lens covers shall be mounted in the grill. The lights shall be steady burning to comply with California Vehicle Code.</p> <p>8. Below the grill, there shall be two (2) Whelen 700 Series LED lights model # 70R02FRR. These lights shall have an alternating flash pattern.</p>	✓		
<b>EMERGENCY LIGHTS: (Side Facing Intersection Lights)</b>			
<p>1. Two (2) Whelen Series 700 Super LED lights RED/CLEAR with chrome flange rings model # 70RC6FCR, shall be mounted center above the forward front fenders.</p> <p>2. Two (2) Whelen Series 700 Super LED lights RED/AMBER model # 70RA6FCR with chrome flange rings shall be mounted centered above the rear side fenders.</p> <p>3. Four (4) Whelen, Series 900 LED lights, shall be side mounted on the ambulance body.</p> <p style="padding-left: 20px;">a. Mounting shall be on the top corners on each side of vehicle.</p> <p style="padding-left: 20px;">b. The two (2) side-rear mounted Series 900 lights shall have split RED/AMBER Whelen model # 90RA5FCR lens covers with chrome flange rings.</p> <p style="padding-left: 20px;">c. The two (2) side-forward Series 900 lights 90RR5FRR shall have red lens covers with chrome flange rings.</p> <p style="padding-left: 20px;">d. These side intersection lights shall be controlled by the emergency master and by an individual rocker switch.</p>	✓		

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	Comply		Comments and Exceptions
	Yes	No	
<b>EMERGENCY LIGHTS: (Rear Facing)</b>			
1. Four (4), Whelen Series 900 lights shall be provided.	✓		
a. Two (2) Whelen, Series 900, Red LED 90RR5FRR warning lights with chrome flanges shall be mounted on top-rear corners of the ambulance body.	✓		
b. Two (2) Whelen, Series 900, Amber LED warning lights model # 90AA5FAR with chrome flanges shall be mounted below the rear red lights, in line with the patient door windows as not to obstruct emergency lighting when rear doors are open. <b>Exact location to be determined at time of pre-build conference.</b>	✓		
2. One (1) Whelen 700 series amber LED model # 70A02FAR warning light mounted directly below the rear center brake light.	✓		
3. One (1) Whelen 700 Series RED Super LED model #70R02FRR shall be mounted center high and be as the third brake light.	✓		
4. The rear facing 900 Series lights shall be controlled by the emergency master switch and shall have its own rocker switch.	✓		
<b>HEADLIGHT FLASHER:</b>			
A Sound-Off Inc head light flasher Road Runner model # ETRR00-P or equivalent shall be provided. Wigwag flasher relay shall be of solid state electronics The wigwag flashers shall come on with the emergency master switch and also controlled by an individual rocker switch in the cab center console.	✓		
<b>OPTICOM TRAFFIC CONTROL DEVICE:</b>			
1. A 3-M opticom emitter shall be included in the emergency lighting package.	✓		

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		Comply		Comments and Exceptions
		Yes	No	
2.	The 3-M opticom emitter model # 795H/792H shall be mounted into the center of the Whelen Light-Bar.	✓		
3.	The opticom emitter shall turn on with the Emergency Master and by its individual rocker switch. The unit shall automatically shut-off when vehicle is in the park position.	✓		
<b>PERIMETER SCENE LIGHTING:</b>				
1.	One (1) Whelen Series 900, with chrome flange ring and clear lens cover shall be provided for forward illumination. The light shall be center mounted below the light bar on the ambulance body and controlled by a rocker switch on the cab console.	✓		
2.	Four (4) Whelen Series 900 lights with clear lens covers and chrome flange rings shall be provided for side illumination. Two (2) lights shall be mounted on each side inboard of the red intersection lights on the ambulance body. Two (2) rocker switches on the cab console shall designate "Left Scene" and "Right Scene".	✓		
3.	The side scene lights shall illuminate anytime the irrespective side doors are opened.	✓		
4.	Two (2) Whelen 900 lights shall be provided for rear facing patient loading illumination. The lights shall have chrome flange rings with clear lens covers and shall be mounted on the rear of the ambulance body each side of the top-center stoplight. The rear facing scene lights shall come on with the opening of the rear patient doors by a rocker switch on the cab console. The light shall also illuminate when going into reverse gear.	✓		
<b>BACK-UP ALARM INDICATOR:</b>				
	Audible back-up alarm shall activate when ambulance is placed in reverse. Alarm shall have momentary shut-off switch located in the	✓		

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	Comply		Comments and Exceptions
	Yes	No	
instrument console, which automatically re-activates. (ECCO, Model 510)			
<p><b>SAFETY VISION BACK UP CAMERA:</b></p> <p>A Safety-Vision back up camera with color monitor shall be provided. Color monitor shall be mounted in cab roof ceiling or on the cab center console.</p>	✓		
<p><b>VEHICLE INTERCOM SYSTEM AND FIRE DEPARTMENT TWO-WAY COMMUNICATION:</b> <i>(See Attachment # C for itemized detail of parts work).</i></p> <p>911 Vehicle of Anaheim, California shall provide all equipment and complete installation of the mobile two-way radio, vehicle intercom system and future mobile data terminal connections to be included in bid.</p>			
<p><b>ANTENNA MOUNTS:</b></p> <p>1. The vendor/builder shall pre-wire customer supplied five (5) coax cable antenna wires for the customer in the ambulance body. Antenna bases shall have a minimum of four (4) inch access panel from the interior ambulance body. The antenna mounts shall include:</p> <p style="margin-left: 20px;">a. VHF-HI band mobile two-way radio</p> <p style="margin-left: 20px;">b. UHF-HI band mobile two-way radio</p> <p style="margin-left: 20px;">c. Aircraft band mobile two-way radio/800 megahertz two-way radio</p> <p style="margin-left: 20px;">d. 800 MgHz Microwave Data link</p> <p style="margin-left: 20px;">e. one spare</p> <p>2. Each antenna shall have sufficient coax antenna cable to allow for permanent installation.</p> <p>3. All antenna cable shall terminate behind the driver's seat.</p> <p>4. Exact locations for all shall be determined at engineering conference.</p>	<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>		



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	Comply		Comments and Exceptions
	Yes	No	
<b>PAINT:</b>  1. Cab and body shall be primed and painted with a finish coat DuPont N5889-HP "Mack-Red". Color paint sample shall be submitted to purchaser for paint approval. <b>No Exceptions.</b> 2. Paint to be lead free. 3. Successful bidder will be required to furnish manufacturer's safety data sheet (MSDS) for the paint used.	✓		
<b>INTERIOR SPLATTER COAT:</b>  All exterior compartments, with the exception of the battery compartment, shall be painted with gray splatter coat of all interior floors, walls, and ceilings.	✓		
<b>GRAPHICS:</b>  <b>(See Attachment #D) Graphics shall be supplied and installed by Sign Co. of Anaheim, CA. All pricing to be included in bid.</b>			
<b>FIREFIGHTING EQUIPMENT:</b> (The following shall be provided by the vendor/builder)  1. Two (2) Zico/Ziamatic "Walk-Away" bottle brackets Model # SC-50-H6-SF shall be provided. SCBA mounting brackets shall be mounted on street-side compartment for firefighter SCBA. 2. Two (2) Safari-land Body Armor, level III-A tactical vests mounted on garment hooks behind each cab captain's chair. 3. 1-pair of HK Porter 24" bolt cutters 4. 1-Husqvarna K-960 rotary saw 5. Ansul #AA-20, 20 pound dry chemical fire extinguisher with mounting bracket # 14091. Extinguisher to be mounting in streetside compartment. <b>Exact Locations to be determined at pre engineering conference.</b> 6. One (1) Zico bracket # KD-UH-6-SF used for mounting fire extinguisher.	✓		

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	Comply		Comments and Exceptions
	Yes	No	
<b>LOOSE EQUIPMENT:</b> (the following shall be provided by the vendor/builder)			
1. One (1) pair of Goodall 1 AWG gauge jumper cables.	✓		
2. Stryker Power-Pro XT Model # 6500, 700 pound gurney with battery powered hydraulic system.	✓		
3. Stryker Ambulance Cot mounting hardware and Cot fastener floor mount Model # 6377. Stryker Cot hardware to include cot catcher hook for floor mounting.	✓		
4. LSP Brass Oxygen Regulator with two (2) outlets Three Oxygen "D" cylinders.	✓		
5. Oxygen Flow Meter with Ohio quick-connect adapter	✓		
6. Stryker Stair-Chair Pro Model 6252	✓		
7. One (1) Western Heavy-duty Oxygen Regulator #50 PSI for "H" tank.	✓		
8. Laerdal Suction Unit with soft pack carrying case.	✓		
9. Hartwell Medical Evac-U-Splint	✓		
10. Hartwell Medical Fasplint	✓		
<b>WARRANTY:</b>			
1. Manufacturer shall identify a single point warranty repair facility approved by the City of Long Beach within a 25-mile radius of Long Beach City Hall. Such single point warranty facility shall be capable of handling all warranties on equipment including chassis, body, engine, transmission and all related components.	✓		<i>See Clarification            per Addendum #2</i>
2. The Contractor shall guarantee the complete apparatus body furnished under these specifications against defects in material and workmanship for a period of (15) years (Cab and Chassis shall be covered under manufacturer's standard warranty). The Contractor shall repair or replace any such item(s) necessary during the warranty period at its own cost and expense, without cost to the City.	✓		

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**Comments and Exceptions**

		Comply		
		Yes	No	
3.	<b>Warranty shall begin on the date the City of Long Beach places the unit(s) in service.</b>	✓		
4.	All transportation of vehicles for warranty repairs shall be at the expense of the manufacturer unless prior agreement is approved for each instance with the City of Long Beach.	✓		
5.	Transmission warranty shall be manufacturer's standard.	✓		
6.	The frame and fasteners shall have a lifetime warranty.	✓		
7.	<b>Manufacturer shall provide The City of Long Beach a complete listing of numbers for all belts, filters and hoses 90 days prior to delivery of first unit(s).</b>	✓		
<b>EXTENDED POWER-TRAIN WARRANTY:</b>				
Vendor shall provide to the purchaser the option of an extended 5-year/150,000 power-train warranty.				
<b>WARRANTY PERFORMANCE:</b>				
1.	The contractor shall be required to provide service within one (1) working day after notification by telephone. If the contractor does not acknowledge after two (2) working days, it shall be assumed as approval for the City to repair the vehicle or obtain warranty outside vendor repair facility. The City shall be paid an area average hourly rate for labor inclusive of transportation and parts replaced one for one repairs from component manufacturers.	✓		
2.	The vehicle manufacturer shall furnish all warranty documentation to the City.	✓		
3.	Defective parts shall be labeled and retained by the City until parts are replaced. Contractor shall take full responsibility for returning any defective parts to his supplier.	✓		
4.	Outside vendor repair facility parts and			

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**Comments and Exceptions**

	Comply		
	Yes	No	
labor billing to go directly to manufacturer.	✓		
<p><b>PLANS AND ENGINEERING CONFERENCE:</b></p> <p>Within 30 days after the contract has been awarded, the manufacturer shall participate in a pre- engineering meeting at which time the entire specification for the equipment shall be reviewed by both the manufacturer and the City of Long Beach Fleet Management team so both parties fully understand how the equipment shall be constructed. This meeting shall be held at a mutually agreed upon time at the City of Long Beach Fleet Services Yard located at 2600 Temple Ave., Long Beach, California 90806. All expenses shall be absorbed by the contractor including food, lodging, and travel for the contractor or manufacturer's representative.</p>	✓		
<p><b><u>FACTORY VISITS:</u></b></p> <p>The successful bidder shall provide for a factory visit by four (4) City of Long Beach employees at construction conference and again at 100% of completion of first unit. The purpose of the visits is to inspect quality, to determine compliance to specification, and to issue any change orders.</p>	✓		
<p><b>LEGALS:</b></p> <ol style="list-style-type: none"> <li>1. Contractor shall furnish completed registration including exempt plates from the Department of Motor Vehicles. ✓</li> <li>2. Must meet all requirements of the South Coast Air Quality Management District (SCAQMD), at the time of bid award. ✓</li> <li>3. Must comply with all Federal and State regulations and must meet all standards of safety for this type of equipment. ✓</li> </ol>			
<p><b>TRAINING:</b></p> <p>Successful bidder shall be required to train operators a minimum one full day and to train mechanics in preventative maintenance and</p>	✓		

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	Comply		Comments and Exceptions
	Yes	No	
specialized repair of equipment a minimum one full day at designated City of Long Beach location.			
<p><b>MANUALS:</b> The following manuals shall be supplied at the time of delivery for each unit.</p> <ol style="list-style-type: none"> <li>1. Two (2) chassis operator's manuals. ✓</li> <li>2. One (1) complete service and repair manual. ✓</li> <li>3. One (1) complete parts/inventory manual ✓</li> <li>4. Two (2)-ambulance body operator's manuals. ✓</li> <li>5. One (1) ambulance body service and repair manual. ✓</li> <li>6. One (1) ambulance equipment and parts manual. ✓</li> <li>7. Two (2) complete sets of wiring diagrams (per built). ✓</li> <li>8. Manuals are preferred on compact disk if available. ✓</li> </ol>			
<p><b>SERVICE SOFTWARE:</b> Vendor/builder shall provide to City of Long Beach Fleet Services with <b>Star Mobile Maintenance</b> software to aid mechanics in servicing units. ✓</p>			

**CITY OF LONG BEACH  
DETAILED SPECIFICATIONS NO. FS-09XX  
TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE**

**BID SECTION**

**Expected purchase will be 10 units**

\$ <u>179,647.00</u> *	COST FOR VEHICLE	*See Additional Pages for Option Pricing
\$ <u>12.25</u>	TIRE TAX	*Includes 5% Discount Requested by Long Beach to help meet budget constraints.
\$ <u>0.00</u>	DELIVERY	
\$ <u>17,515.58</u>	SALES TAX	
\$ <u>197,174.83</u>	<b>TOTAL COST PER VEHICLE</b>	
\$ <u>1,971,748.30</u>	<b>TOTAL PURCHASE PRICE</b>	

ESTIMATED DATE OF DELIVERY	<u>120-150 Days from Receipt of PO.</u>
PAYMENT TERMS (discounts offered)	<u>Precon meeting must be held within 2 weeks. Due on Acceptance</u>

Time is of the essence for delivery. Failure to deliver on the date stated above is a material breach of the contract. The parties agree that damages for delay would be difficult to calculate. Therefore, liquidated damages in the amount of \$ 25.00 per day per unit will be withheld from final payment.

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**CITY OF LONG BEACH  
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 TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE**

**ATTACHMENT "A"**

CITY	OPTICOM	WIG-WAG	LIGHTBAR	FRONT FLASHER	FRONT GRILL	SIDE WARNING	REAR WARNING	SPARE	INTERIOR DOME
<b>EMERGENCY MASTER 3-POLE</b>									

**FREEWAY**

<b>MODULAR DISCONNCT</b>	<b>BACK UP ALARM SELENT (MOMENTARY)</b>	<b>LEFT  SCENE</b>	<b>RIGHT  SCENE</b>	<b>FRONT  SCENE</b>	<b>REAR  LOADING</b>	<b>AIR RIDE DUMP</b>	<b>BATTERY BOOST  (MOMENT ARY)</b>	<b>SPARE</b>	<b>INTERIOR  DOME</b>
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- **NOTE:** All switches shall be 2 pole illuminated wide rocker type (except emergency master).

All emergency light switches and scene lights switches shall be RED  
 Emergency master shall be white illuminated, 3-pole, wide rocker type.  
 All other rocker switches shall be black.

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**ATTACHMENT "B"  
LONG BEACH FIRE DEPARTMENT  
L.E.D. AMBULANCE LIGHTING PACKAGE**

**LIGHTBAR WITH INSTALLED OPTIONS**

1 ea	4502LF86	Whelen Model 4500 Series LED Lightbar, 86" Length, including amber LED ICC lights, two corner red Linear LED's.
1 ea	795H /792H	3M Opticom Emitter (Strobe or LED)
1 ea	4500OPTI	Opticom harness
4 ea	45FLR	400 Series Linear LED's, red
2 ea	45FLC	400 Series Linear LED's, white
1 ea	45FLASC	Internal Auxillary Corner Flasher
3 ea	45FLASH	Internal Auxillary Flasher

**FRONT LIGHTS**

2 ea	90RR5FRR	900 Series Linear LED's, red, to be mounted outboard corners below lightbar
1 ea	90CC5FCR	900 Series Linear LED, clear, mounted center below Lightbar
3 ea	90FLANGC	Chrome Plated Flange Kit for 900 Series Super-LED ONLY
2 ea	70R02FRR	700 Series Linear LED's, red, programmed to steady burn, grill mounted
2 ea	70R02FRR	700 Series Linear LED's, red, mounted below headlights
1 ea	SSFPOS	Solid-State, Headlight/Grille Light Flasher, Positive Switching Headlights

**SIDE LIGHTS**

4 ea	70RC6FCR	700 Series Linear LED's, split red/white, mounted 1 each side front intersection and rear wheel wells
4 ea	7EFLANGE	700 Series flange mount
2 ea	90RR5FRR	900 Series Linear LED's, red, to be mounted 1 each high side front box corners
2 ea	90RA5FCR	900 Series Linear LED's, red/amber split, to be mounted 1 each high side rear box corners
4 ea	90FLANGC	Chrome Plated Flange Kit for 900 Series Super-LED ONLY
4 ea	90E000ZR	900 Series halogen scene light 8 – 32 degree mounted 2 each high side
4 ea	9EFLANGE	Chrome Plated Flange Kit for 900 Series Scenelight

**REAR LIGHTS**

2 ea	90RR5FRR	900 Series Linear LED's, red, to be mounted box corner left side and window level right side
2 ea	90AA5FAR	900 Series Linear LED's, amber, to be mounted box corner right side and window level left side
4 ea	90FLANGC	Chrome Plated Flange Kit for 900 Series Super-LED ONLY
2 ea	90E000ZR	900 Series halogen scene light 8 – 32 degree mounted over doors
2 ea	9EFLANGE	Chrome Plated Flange Kit for 900 Series Scenelight
1 ea	70R00BRR	700 Series LED brake light, mounted high center over doors
1 ea	70A02FAR	700 Series Linear LED, amber, mounted below LED brake light
2 ea	7EFLANGE	700 Series flange mount

**FLASHERS**

1 ea	AFM1660	16 outlet halogen or LED ambulance flasher
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CITY OF LONG BEACH  
DETAILED SPECIFICATIONS NO. FS-09XX  
TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE

ATTACHMENT "C"



2130 E. Winston Road Anaheim, CA 92806  
P:714-808-0911 F:714-808-0916  
www.911vehicle.com

Your Single Source Provider for Emergency Vehicle Solutions

**Quote# 6109-1**

To: \_\_\_\_\_

From: \_\_\_\_\_

Company: **Long Beach Fire**

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

Fax # \_\_\_\_\_

Phone # \_\_\_\_\_

**Regarding: Communications Installations in New Ambulances**

**Qty Breakdown**

- **INSTALL RADIO EQUIPMENT INTO NEW AMBULANCE**
- 1 Motorola XTL5000 VHF Single head, cable, speaker, mic
- 1 Motorola XTL5000 UHF Dual head, cable, speaker, mic
- 1 Panasonic Toughbook Model # CF-30
- 1 Panasonic Toughbook Port Replicator
- 1 Panasonic Toughbook Computer Mount
- 1 Motorola VRM for Toughbook
- 5 Antennas / Configuring / Connections / Metering
- INTERCOM SYSTEM**
- 1 911Vehicle Dual Radio Intercom System
- 4 Dash Mounted PTT switches
- 1 Patient Area Intercom Station
- 50 Beldon 8723 4-Conductor Shielded Cable per ft.
- 2 Mobile Radio Interfaces
- 3 911-OTH-R Over the Head Style Headset with SIG-5 Cord
- POWER AND GROUND DISTRIBUTION**
- 1 Main D/C Power and Ground Distribution
- 1 Battery Switched Relay
- 1 Misc. Parts and Materials

**(CS)= customer  
supplied**

**All Line Items include Parts and Labor unless  
identifie with (CS)**

CITY OF LONG BEACH  
DETAILED SPECIFICATIONS NO. FS-09XX  
TRUCK, CHASSIS EMERGENCY TYPE I AMBULANCE

ATTACHMENT "D"

Long Beach Fire Dept

**SIGNCO**

Visual Marketing Manufacturer

**Estimate No, 2704**

Acct  
LONG BEACH, CA 90815

Rep: 6982  
Phone:

Fax:

Prepared For,

**Estimate Description**

**PARAMEDICS**

LONG BEACH FIRE PARAMEDICS

FRONT SIDE DOORS TO HAVE FOLLOWING:  
LB FIRE SEALS (GOLD LEAF, BLACK VINYL)  
BANNER W/ 1897 100YEAROF SERVICE 1997 (GOLD LEAF, BLACK VINYL)  
CLASS 1 + NUMBER (GOLD LEAF, BLACK VINYL)  
WHITE REFLECTIVE STRIP

FRONT OF AMBULANCE TO READ AS FOLLOWS:  
LONG BEACH FIRE (GOLD LEAF, BLACK VINYL)  
NUMBER IN WHITE REFLECTIVE

SIDE DOORS ON BOX TO READ AS FOLLOWS:  
LONG BEACH FIRE DEPARTMENT (GOLD LEAF, BLACK VINYL)  
PARAMEDIC (RED REFLECTIVE VINYL)  
STRIP OF WHITE REFLECTIVE BAR ACROSS ENTIRE BOX  
6" NUMBER IN TOP RIGHT HAND CORNER (WHITE REFLECTIVE VINYL)

BACK OF AMBULANCE BOX TO READ AS FOLLOWS: LB FIRE SEALS (GOLD  
LEAF, BLACK VINYL)  
PARAMEDIC: (GOLD LEAF, BLACK VINYL)  
NUMBER IN TOP LEFT CORNER (WHITE REFLECTIVE) WHITE REFLECTIVE STRIP

Hancock Anaheim, CA 92807 Phone: (714) 779-9700 Fax: (714) 779-5353 (sales@signcoanaheim.com)

1250 N.

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### **CHASSIS:**

#### **A1.0 SCOPE, PURPOSE AND CLASSIFICATION**

##### **A1.0.1 SCOPE**

This specification covers a new commercially produced surface emergency medical care vehicle(s), herein referred to as an "ambulance" or "vehicle". This vehicle shall be in accordance with the Ambulance Design Criteria of the National Highway Traffic Safety Administration, United States Department of Transportation, Washington DC. This specification is based on current KKK - A1822 - E revision. It is the intent of this agency to purchase vehicle(s) that are professionally engineered and designed. It is paramount to this agency that vehicle(s) presented be built by a reputable manufacturer with considerable experience in the ambulance manufacturing field. To this end, this agency requires that each manufacturer provide the following:

- 1] A statement of fact, signed by an officer of the manufacturing company, disclosing that the manufacturer has delivered five hundred (500) ambulances within the last twelve (12) months of the date of this bid.
- 2] The size and location of manufacturing facilities and number of production staff.
- 3] Interior pictures to verify plant facilities.
- 4] A list of on-site engineering staff with educational accreditation.
- 5] ISO 9001:2000 Certification.

Failure to provide this agency with the documentation required will be deemed non-responsive.

##### **A1.0.2 PURPOSE**

The purpose of this document is to provide the manufacturer with a set of specifications and test parameters that will meet the criteria to manufacture a vehicle as set forth by this agency. This agency seeks a vehicle that will deliver "fair value". Fair value is defined by this agency as the manufacturer's ability to provide a safe, functional, and practical ambulance conversion that will work in junction with the chassis specified at a reasonable cost. The specifications within this document are a basis to deliver such a vehicle to this agency. This agency at its discretion shall assess the intangible assets of the manufacturer such as, but not limited to, after quality, delivery support, customer service, parts availability and warranty turn around time.

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### A1.0.3 CLASSIFICATION

This specification calls for the following type of vehicle in accordance with the current KKK-A1822-F revision.

### A1.1 GENERAL

This is an engineer, design, construct and deliver type specification meeting the needs of this agency. Attention has been given to the engineering and design aspect of this specification that will attain our goal of fair value. It is the manufacturer's responsibility to deliver a product meeting the criteria as set forth. This agency reserves the right to increase the equipment quantities that are specified. In addition, other agencies will be permitted to purchase equipment under this contract as a result of this specification, unless prohibited under law.

#### A1.1.1 SITES OF WORK

Other than the chassis, specified accessories, and raw materials such as aluminum, wood, etc.; all shops and sub-shops shall be within the complex(s) that are directly owned and controlled by the primary manufacturer. Any assemblies including, but not limited to, upholstery, fiberglass, cabinetry, electrical, structural and paint application, that are performed or supplied outside of the primary manufacturer's location(s) must be noted. The name, address, and contact person supplying the primary manufacturer with the assemblies must be provided in writing to this agency. Non-disclosure will be sufficient grounds for rejection of bid or termination of contract. Ambulances or chassis' imported for consideration of this specification into the United States under the North America Free Trade Act must provide documentation of compliance with all United States laws applicable. Further, any import ambulance must be independently certified and tested within the United States to meet KKK-A1822-F certification.

#### A1.1.2 EXAMINATION OF SPECIFICATIONS

It is incumbent on each manufacturer to be thoroughly familiar with the specification contained herein. The specification will require a "YES" or "NO" or when requested a definitive answer to each section or subsection. Sections or subsections not marked with a "YES" or "NO" or answered shall be deemed incomplete and considered non-responsive. A "YES" answer constitutes a complete compliance to the section or subsection as written. A "NO" shall indicate noncompliance and does not eliminate a manufacturer from competition. A manufacturer may object or counter to a specific section or subsection. A manufacturer must indicate in writing, as an attachment, the section or subsection in dispute. The manufacturer must include the verbiage as written, new verbiage presented, explanation of verbiage with consequences and supporting tests and documentation. Failure to comply will be deemed as non-responsive. This agency reserves the right to determine compliance.

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

A1.1.3 DEFINITIONS: The following definitions shall apply with regards to these specifications.

A1.1.4 PURCHASER: The end user of the equipment specified or the applicable purchasing agency acting on behalf of the end user.

A1.1.5 CONTRACTOR: The individual, firm, partnership manufacturer, or corporation to whom the contract is awarded by the Purchaser and is subject to the terms thereof. For bidding purposes the contractor, vendor, bidder, manufacturer are synonymous.

A1.1.6 EQUAL: This agency supports the design, engineering, quality and materials as specified in this document. This shall not prohibit the bidding of unlike product. However, any deviation from the specification must be marked and submitted per section A1.1.2. Failure to do so shall be deemed non-responsive.

A1.1.7 MANUFACTURER: The manufacturer within this specification shall be considered the "primary manufacturer" of the ambulance conversion. The chassis requirement as set forth in this specification is the responsibility of the primary manufacturer to procure. This agency considers the chassis platform as a conveyance for the ambulance conversion. It is imperative that the primary manufacturers procure the **exact** chassis from the chassis manufacturer. After market modifications by the primary manufacturer to achieve chassis specification will not be tolerated. This agency will require documentation from the chassis manufacturer pertaining to the chassis requirements for this agency. Failure to provide documentation after award and prior to construction may result in the termination of the contract. Expenses to re-bid will be the responsibility of the manufacturer in default.

## A2.0 SPECIAL CONDITIONS

### A2.1 BIDDERS RESPONSIBILITY AND QUALIFICATION

#### A2.1.1

It is not the intent of these specifications to call for an unusual or experimental vehicle(s). The primary manufacturer shall have a minimum of 10 years of uninterrupted manufacturing of similar or identical vehicles to the specifications set forth in this bid.

#### A2.1.2

If requested by the purchaser, the primary manufacturer shall supply upon request a list of fifteen (15) agencies that have purchased similar or identical vehicles within the past year from date of bid. The list will have contact names and phone numbers.

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### A.2.1.3

For the purpose of this section, if the bidder of record and the primary manufacturer are separate business entities, then each shall be required to submit financial, insurance, and/or licenser to conduct business within this jurisdiction. Failure to provide proper documentation with the bid response may result in any bid being deemed non-responsive.

### A.2.1.4

The primary manufacturer shall be ISO 9001:2000 certified. **NO EXCEPTIONS.**

### A.2.1.5

The primary manufacturer shall employ full time a Quality Control Manager whose primary function is to monitor quality. **NO EXCEPTIONS.**

## A2.2 PAYMENT, DELIVERY AND ACCEPTANCE

### A2.2.1

A deposit may be remitted with the order not to exceed ten percent (10%) of the total contract amount. This agency reserves the right to issue a binding municipal Purchase Order in lieu of a deposit. The choice to submit either the deposit and/or the binding purchase order will be that of this agency.

Prepayments or progress payments for any part or material after contract award may result in a termination of the award. The contract will be given to the next responsible primary manufacturer. It is the intent of this agency to do business with a company of sufficient financial means to meet the financial burdens necessary complete and delivery the vehicle as specified.

Unless otherwise requested, the primary manufacturer shall arrange over the road delivery of the completed vehicle to this agency's designated local address under the vehicles own power. Costs of transportation and preparation are to be included with the price as bid. The primary manufacturer, may as an option, offers a line item credit for pick up by this agency at their place of manufacture.

Payment in full will be made upon delivery once an inspection of the vehicle by this agencies authorized representative(s) confirms compliance with the specification. The delivery, acceptance inspection, and payment shall take place on the same day. In the event it is deemed necessary for this agency to inspect the vehicle(s) at the primary manufacture location, a temperature controlled inspection area separate from the production facility shall be available.

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### A2.2.2

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

### A2.2.3

Bid prices shall be valid for sixty (60) days. In the unforeseen circumstance that this agency requires the primary manufacturer to extend pricing requirement; then it will be at the discretion of this agency to request in writing from the primary manufacturer any deviation in prices quoted. The primary manufacturer may revise pricing and state in writing reasons for any change and certify the amended pricing for sixty (60) additional days.

### A2.3 BID EVALUATION

Bids received shall be evaluated by the Purchaser. This evaluation will be based on the following:

- Completeness of the proposal
- Manufacturing and Delivery schedule
- Primary manufacturer's demonstrated capabilities and qualifications
- Primary manufacturer's past performance on similar Bid Proposals
- Primary manufacturer's maintainability and recommendations
- Primary manufacturer's logistical and service support

#### A2.3.1

Bid proposals taking total exception to these specifications will not be accepted.

#### A2.3.2

Bid proposals that do not comply with the prescribed method to take exceptions listed in paragraph A1.1.2 will be rejected without further consideration.

#### A2.3.3

This agency seeks the highest level of value for the cost. To assure this agency is receiving such value the primary manufacturer must submit evidence of compliance with KKK-A1822-F testing parameters. The testing is to be performed by an independent testing facility and verified by person(s) with the standing of Professional Engineer. If further testing is required by any lawful agency of the Federal or State Government then it shall be incumbent upon the primary manufacturer to provide this agency with certification required.

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### A2.3.4

This agency also recognizes Ford Motor Company's Qualified Vehicle Modifiers (QVM) accreditation. Therefore, regardless of chassis specifications the primary manufacturer must include with this proposal their current QVM certification.

### A2.3.5

Internal testing performed and certified for a primary manufacturer will not be considered by this agency.

### A2.3.6

The primary manufacturer may submit certification of all "member in good standing" of any public or private association that may have bearing on this specification i.e. AMD, NTEA.

### A2.3.7

To insure that this contract is awarded to a primary manufacturer who has the resources to meet the performance and warranty criteria specified herein, the primary manufacturer shall state in the bid proposal if it is a public or private company. If the primary manufacturer is privately held then it shall include the most current financial statement by a Certified Public Accountant not more than twelve (12) months old or current financial statement of the parent company. If the primary manufacturer is a publicly held company or wholly owned by a publicly held company then it shall state what stock exchange and under what symbol it is traded under. **Bids not meeting this requirement cannot be accepted.** Note: In performing the evaluation, only information contained within the primary manufacturer's written proposal will be considered.

## A2.4 CONTRACT AWARD

The Purchaser reserves the right to increase the number of vehicles or equipment specified under this contract. If awarded, the primary manufacturer agrees that additional agencies may purchase under the same terms and prices afforded by any contract arising from the bid award, unless prohibited by law.

### A2.4.1

The purchaser has the right to waive any informalities, irregularities, and technicalities in procedure.



# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### A2.5 WARRANTY

This agency is concerned with the ability of the primary manufacturer to warrant the conversion after delivery. This agency expects a minimum of a fifteen (15) year modular construction warranty and twelve (12) months and twelve thousand (12,000) mile full warranty on the conversion. In addition, each manufacturer shall submit their various warranties and warranty options, if applicable, with the proposal for evaluation. Also, each primary manufacturer will supply the name and phone number of a contact person in the event this agency requires clarification of the submitted warranty documents.

The primary manufacturer will provide the location of the closest approved warranty center. Indicate to this agency, in writing, to be included with this proposal; the process to initiate and file a warranty claim.

#### A2.5.1

Due to the high demands on a pre-hospital care vehicle, this agency demands the primary manufacturer have available a twenty-four hour a day technical assist service. This 24/7 service must be staffed by the primary manufacturer's service personnel, include telephone number: \_\_\_\_\_.

### A2.6 DELIVERY

The primary manufacturer will provide in writing to accompany this document a proposed delivery time. The delivery time proposal will include the transit time of the finished vehicle.

### A2.7 BID GUARANTY

Bid proposals shall be accompanied by a Surety Bond in the amount of ten percent (10%) of the total price of the bid proposal. The Bid Surety shall be made payable to this agency and conditioned upon the primary manufacturer acceptance of award. In the event of failure or refusal to comply, the Bid Surety may be forfeited as liquidated damages because of such failure of default.

### A2.8 PERFORMANCE BOND

This agency reserves the right to seek a one hundred percent (100%) performance and payment bond as a condition of award. A letter must be included from a certified bonding agency stating that a performance bond can be issued on behalf of the primary manufacturer. Failure to comply may be deemed as non-responsive.

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### A2.9 INDEMNIFICATION AND INSURANCE

This agency seeks to mitigate future liability exposure; therefore, all primary manufacturers will submit their Certificate of Insurance for evaluation. This agency will only consider a primary manufacturer with a minimum of Ten Million United States Dollars (\$10,000,000.00 USD) that is based on a **PER INCIDENT** basis. This insurance shall be issued by a company rated "A" or better as reported in the current edition of Bests Key Rating Guide, published by Alfred M. Best Company, Inc. Aggregate liability coverage will not be considered regardless of amount. Failure to comply will be deemed non-responsive.

### A2.10 FAMILIARITY WITH LAWS

The primary manufacturer will be familiar with all Federal, State and Local laws, ordinance, code rules and regulations that may in any way effect the work. Ignorance on the part of the primary manufacturer is not acceptable.

### A2.11 PRE-CONSTRUCTION CONFERENCE

The successful primary manufacturer shall be required to hold a pre-construction conference with representatives of this agency to finalize construction details. In the event it is deemed necessary by both parties that the conference be held at a location other than at this agency; the following shall occur. The primary manufacturer will provide adequate transportation, lodging, and meals for Four (4) designated personnel from this agency. Further, if the location is in an excess of three hundred (300) miles from this agencies location, the transportation shall be by a commercial air carrier. Private or corporate aircraft may not be used.

### A2.12 DRAWINGS

The primary manufacturer shall provide a set of drawings that accurately depict the vehicle as specified. The drawings will show all exterior and interior planes with dimensions. Failure to comply will be deemed non-responsive.

### A2.13 EMPLOYEE STATEMENT

It is mandated by the United States Government that all employees currently and to be employed during the duration of this contract are not discriminated against because of their race, creed, color, sex, nationality origin and disability. Further, this agency must be satisfied that the primary manufacturer's labor pool is treated in a fair and equitable manner. Therefore, it will be the responsibility of the primary manufacturer to include a human resource statement outlining employment status, working conditions, and benefits.

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### A2.14 ANTI-COLLUSION STATEMENT

By signing this bid, the primary manufacturer agrees that this bid is made without any understanding, agreement or connection with any other person, firm or corporation making a bid for the same purpose and this bid is in all respects fair and without collusion or fraud.

### 3.0 TECHNICAL REQUIREMENTS CAB - CHASSIS

#### 3.1 GENERAL VEHICULAR DESIGN, TYPES, AND FLOOR PLAN

The ambulance and the allied equipment furnished under this specification shall be the primary manufacturer's current commercial vehicle of the type and class specified. The ambulance shall be complete with the operating accessories as specified herein. It shall be furnished with such modifications and attachments as necessary and specified to enable the vehicle to function reliably and efficiently in sustained operation. The design of the vehicle and the specified equipment shall permit accessibility for servicing, replacement and adjustment of component parts and accessories with minimum disturbance to other components and systems.

##### 3.1.2

The ambulance shall be a Type I, Class I, and shall be a chassis furnished with a two (2) door conventional cab. The chassis shall be suitable for subsequent mounting of a modular (containerized), transferable equipped ambulance body conforming to the requirements herein.

##### 3.1.3

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

#### 3.2 VEHICLE COMPONENTS, EQUIPMENT, AND ACCESSORIES.

The emergency medical care vehicle, chassis ambulance body, equipment, devices medical accessories and electronic equipment to be delivered under this contract shall be standard commercial products, tested and certified, to meet this specification. The vehicle shall comply with all Federal Motor Vehicle Safety Standards (FMVSS) and United States regulations applicable or specified for the year of manufacture. The primary manufacturer shall procure the chassis, components, equipment and accessories as specified and be the current technical data and materials of all suppliers.

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### 3.3 MATERIALS

Materials used in the construction shall be new and meet the quality conforming to this specification. Materials shall be free of defects.

### 3.4 VEHICLE OPERATION, PERFORMANCE, AND PHYSICAL CHARACTERISTICS

The following is a description of the cab and chassis that will meet the requirements of this specification. In addition, the chassis will comply with paragraphs 3.4.1 through 3.6.14 of Federal Specification KKK-A-1822F.

### 3.5 CHASSIS MANUFACTURER AND MODEL YEAR

The chassis shall meet the requirements of this specification. It shall be a 2009 Dodge.

### 3.6 MODEL PHYSICAL CHARACTERISTICS

Vehicle:	Dodge Chassis Cab	
Body Style:	Ram 4500 Dual Rear Wheel	
Drive Train:	Rear Wheel Drive	
Model Number body code:	Regular Cab 168.5" wheel base	
Gross Axle Weight:	Front 7,000 lb.	Rear 13,500lb.
Gross Vehicle Weight	Rating 16,500 lb.	
Engine Type:	6.7 L Cummins Turbo Diesel I-6	
Displacement	6.7 liters	
Fuel System	Turbocharged	
SAE net HP	305 @ 3000 RPM	
SAE net Torque	610 foot pounds @ 1500 RPM	
Wheelbase:	168.5 inches	
Transmission:	6 - speed Aisin Automatic, Electronic With PTO capability	

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

Rear Axle Ratio: 4:10

Tire Size: 225/70R19.5 BSW All Season, 2 front, 4 rear

Spare Tire Size: 225/70R19.5 BSW All Season

Wheels All including spare, steel 19.5

Brakes: Power assist 4 Wheel disc - ABS System

Exhaust Brake Integrated with Cummins engine

Engine Block Heater: Code NHK Standard with Cummins

Alternator: 220 Amp Code-BAJ

Batteries: Dual, 750 CCA

Fuel Tank: Single 52 Gallon, aft of rear axle

Exterior Upgrade Package: 2GG

Interior Upgrade Package: 2GG

40/20/40 cloth seat Code V9\_

Steering: Power recirculating ball

Stereo AM/FM stereo, Single CD Player

Running Lights Day Running Lights, Code LM1

Pedals Adjustable Gas and Brake Pedals, Code XAP

#### 4.5 ELECTRICAL GENERATING SYSTEM

The vehicle shall be equipped with the OEM supplied 220 ampere alternator.

#### 4.6 ENGINE AUTOMATIC HIGH IDLE SPEED CONTROL

The Engine high idle shall be regulated by the OEM supplied high idle speed control. The control shall be mounted in the cab console.

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### 4.7 DRIVER'S COMPARTMENT

The driver's compartment shall be as required by paragraphs 3.9.1, 3.9.2, and 3.9.4 of Federal specification KKK - A - 1822F as well as section 3.0 of this document. The cab shall be equipped with the chassis manufacturer's 40/20/40 split bench. The safety restraint system for the driver and passenger shall be installed by the chassis manufacturer. Modifications or substitutions of the chassis manufacturer's cab seats or restraint system will not be acceptable.

### 4.8 OUTSIDE REAR VIEW MIRRORS

The vehicle mirrors should be firmly secured, vibration less rear view mirrors totaling at least seventy square inches. The mirrors shall be OEM, manually telescoping trailer tow.

#### **Dealer Item, All units keyed alike**

### CAB PATIENT COMPARTMENT

The modular body shall be attached to the cab chassis by means of a rubber bellows with one hundred and fifty square inches of open viewing area.

Does your bid comply with this requirement?

Yes ( )      No ( )

### SUSPENSION SYSTEM

There shall be a Kelderman Air Suspension installed on the rear chassis axle. The model shall be XXXX and shall be installed per the manufacturer's instruction. The rear suspension shall only lower the module when the vehicle is in neutral or park and the parking brake is set.

Does your bid comply with this requirement?

Yes ( )      No ( )

### SWITCHING

Two Momentary Air Dump switches shall be installed XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

City of Long Beach Fire Department  
2009 Dodge Type I Module Ambulance

**Light, Indicator, Air dump**

**Exhaust Modification, Niederman magnet system**

HEATER HOSES

Nomex heater hoses shall be installed.

Does your bid comply with this requirement?

Yes ( )      No ( )

**Heat/AC, D1, Pure air, W/ Ext Cond, Bottom Mnt, ILOS**

DIGITAL THERMOSTAT

There shall be a Master Control Digital Thermostat CM1000 installed in the action area.

Does your bid comply with this requirement?

Yes ( )      No ( )

BATTERY SYSTEM

The vehicle shall be supplied with a triple 12 volt battery system. All batteries will have a minimum cold cranking ampere rating of not less than supplied by the OEM chassis manufacturer. One battery shall be in the OEM under hood location. Two additional batteries shall be located in the right front compartment. A Cole-Hersee #M284, or equivalent, battery selector shall be provided. The ignition switch shall only turn off power the module and not to the chassis. The battery system shall be wired in accordance with KKK - A - 1822E and current Ford Motor QVM specifications. The system must meet SAE J541 for starter circuit voltage drop.

Does your bid comply with this requirement?

Yes ( )      No ( )

**Batteries, (1) Odyssey #31-PC-2150, Gell cell, ILOS**

**Batteries, (1) Odyssey #31-PC-2150, Gell cell, IATS**

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### JUMP START PLUG

A Goodall MFG jump start plug shall be supplied with a male plug at one end and cable clamps at other end. The cable shall be 25 feet long.

Does your bid comply with this requirement?

Yes ( )      No ( )

### INSTRUMENT CONSOLE

A console shall be installed house the switching panel and radio installation. This console shall be attached under the dash below the line of sight of the driver. The console shall extend the full length of the cab between the driver's and passenger's seats. Provisions shall be made available for storage of convenience items for the crew. An access panel shall be installed on the top of the console facilitate servicing. The switches shall be full size rocker switches with LED on the indicators. The switch assembly shall be 1.97 inches tall by 1.064 inches wide with silver plated copper contacts and a .250 inch spade type terminal. The switch and rocker material shall be a thermal set molding material. The complete switch assembly will be tested to withstand one thousand (1,000) volts RMS dielectric. Documentation of switch testing to be included with the bid. The switches must have a positive "throw" feel and an audible "click" upon activation.

Does your bid comply with this requirement?

Yes ( )      No ( )

### ACTION AREA CONSOLE

There shall be a console in the action area of the rear patient compartment house the switches. The console shall be manufactured out of 3/4" birch wood and be angled so that the switches will be easily accessible for an EMT in the attendant seat or a CPR seat.

Does your bid comply with this requirement?

Yes ( )      No ( )



# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### WHEEL COVERS

There shall be Phoenix Wheel Covers installed prior to delivery. They shall be model GDF16 and shall include the extender kit for the rear wheels, model #AML1.

Does your bid comply with this requirement?

Yes ( )      No ( )

### VEHICLE BODY AND PATIENT AREA

#### BODY ACCOMMODATIONS

The ambulance body and patient compartment shall be sufficient in size to meet the requirements of paragraph 3.10.1 of Federal Specification KKK - A1822 - E. The interior layout shall be such that a technician can administer life support treatments to at least one person during transport. The modular body shall be 153 inches in length and 95 inches wide.

Does your bid comply with this requirement?

Yes ( )      No ( )

#### PATIENT COMPARTMENT INTERIOR DIMENSIONS

Length: As measured from the bulkhead to the inside edge of the rear doors at the floor shall be at least one hundred and forty three inches. There shall be at least twenty five inches but not more than thirty inches of clear space at the head of the primary patient, measured from the face of the backrest of the attendant's to the forward edge of the style one cot.

Width: Shall be measured after the installation of the street side cabinets will be forty four and three quarter inches between the cabinet wall and the face of the squad bench.

Height: The patient compartment shall provide at least sixty six inches of height over the primary patient area from the floor to the ceiling.

Does your bid comply with this requirement?

Yes ( )      No ( )

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### GENERAL BODY CONSTRUCTION

It is the intention of this agency to specify a modular body that is constructed solely of aluminum including side skins, roof skin, all structural box tubing, corner and roof extrusions, tapping plates, gusset plates, retention plates, doors, door extrusions, sub structure moisture barrier and drip rails. The modular shall be engineered, built and warranted by the primary manufacturer. This agency will not accept a proposal from a primary manufacturer, as defined within this document, that supplies a modular from an agency, builder, supplier, other than the primary manufacturer. This section shall be the construction parameters this agency has deemed as fair value. Primary manufacturers that deviate from these specifications may take exception as set forth in section A1.1.2.

Does your bid comply with this requirement?

Yes ( )      No ( )

The exterior of the body shall be constructed utilizing a full six sided box framework with a combination of high strength 6061-T1 and 6063-T6 alloy aluminum and having an outer surface of aluminum sheet with a temper and alloy of 5052-H32 for strength, weld integrity and corrosion resistance. The front, sides, and rear of the modular shall be configured from a single sheet of .090 aluminum. The one piece sheets shall be used to maximize integrity against dust, toxic fumes, cracking, and moisture penetration. The openings for doors, warning lights and exterior compartments shall be cut on the horizontal plane with a computer controlled plasma cutter for accuracy and integrity of temper. The roof and side skins shall be installed utilizing a very high bond adhesive to allow absorption of vibration and to eliminate "panning". The skins shall be welded to the interlocking extrusion framework at the outer perimeter of the sheets by a programmable robotic welder using a MIG welding tip and Argon gas.

Does your bid comply with this requirement?

Yes ( )      No ( )

The roof shall be a single .090 sheet of 5052-H32 alloy aluminum. The roof sheet shall be completely welded to the extruded roof assembly. The use of multi-section roofs shall not be acceptable due to the possibility of cracks causing environmental intrusion.

Does your bid comply with this requirement?

Yes ( )      No ( )

The roof substructure assembly shall consist of four perimeter roof rail extrusions, lateral roof bows and interconnecting corner caps. The roof rail extrusions shall be engineered and designed by the primary manufacturer and shall be double hollow of

## City of Long Beach Fire Department 2009 Dodge Type I Module Ambulance

6063-T6 .125 aluminum an integrated roof recess shall be incorporated to create a smooth transition from the one piece roof sheet to the perimeter drip rail. The perimeter drip rail shall be extruded as a design feature of the roof rail extrusion. The roof rail extrusion shall overlay the side skin by one half inch. The roof sheet shall be seam welded to the perimeter roof extrusion. The lateral roof bows shall be two inch by two inch by .125 square extrusions of 6061-T6 alloy aluminum. The structural members shall be located to support the roof skin on fourteen inches between roof bows. The roof bows shall interconnect with the roof rails and be continuously welded at all contact points. The finished roof shall incorporate a machine rolled crown of not less than one and half inches in height to provide additional strength and allow water run off. A one inch by two inch by .125 6063-T6 extrusion shall be secured to the top of the vertical extrusions. The perimeter extrusion shall be welded to the vertical structures with a minimum of six inches of weld. An industrial adhesive shall be applied around the perimeter before the roof assembly is mated to the sill. The roof structure shall be attached to the sill and welded. To insure a complete contact with the industrial adhesive mechanical fasteners shall be employed to cinch the roof structure to the sill.

Does your bid comply with this requirement?

Yes ( )      No ( )

The corner caps shall be designed to interlock with the roof perimeter, vertical corner extrusions and roof sheet. The corner caps shall be cast aluminum made from matched metal dies to insure a smooth and pleasing appearance. The caps shall act as a stress relief device to absorb energy and disperse the force along the roof extrusions in the event of a collision. The outer edge DOT lights shall be installed as described in section 5.1.

Does your bid comply with this requirement?

Yes ( )      No ( )

The corners of the modular body shall be designed and engineered by the primary manufacturer and constructed of 6063-T6 alloy aluminum. The corner extrusion shall be double hollow with a minimum thickness of .125 and .250 at the outer corner. The extrusion is designed with a unique forty five degree angled appearance while maintaining very high strength and impact energy absorption. A polyurethane sealer shall be applied to seal the crevice between the corner extrusions and the side assemblies.

Does your bid comply with this requirement?

Yes ( )      No ( )

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The side assemblies shall be reinforced utilizing 6061-T6 alloy aluminum two by two box tubing. The side structures shall frame a perimeter around all door openings and shall be a minimum of .125 in thickness. Intermediate skin stiffeners shall be located to preclude skin deformation. Additional gusset plates shall be .250 inch aluminum and shall be welded at all contact points between the corner assembly and the roof perimeter.

Does your bid comply with this requirement?

Yes ( )      No ( )

This agency is extremely concerned with purchasing a vehicle from a primary manufacturer who can provide the necessary service after sale. Therefore, as previously stated the modular shall have a fifteen year warranty and be engineered, designed and built by the primary manufacturer.

Does your bid comply with this requirement?

Yes ( )      No ( )

This agency is extremely concerned that the modular body be designed and built with the highest level of integrity and quality. Documentation and certification that the modular body being proposed meets Static Load Test Code for Ambulance Body Structure AMD Standard 001 must be included with this proposal.

This agency is committed to partnering with an ambulance manufacturing company that has programs in place for continual modular body safety improvements. To this end, this agency requires proof that ongoing safety testing and evaluation of modular body safety programs are in place. At a minimum, this agency requires, in addition to roof static load testing, side static load testing with a minimum side load of 22,700 lbs. In addition, dynamic modular body testing in the form of sled testing and drop testing will be required. Modular body drop testing will be at a minimum of 120 (one hundred and twenty feet). The modular body must be dropped in a manner that will simulate a front corner impact. All rear doors must operate to simulate extraction of patient and crew in the event of curbside door failure. Testing material must be available upon request of this agency.

Additionally, all welders employed by the primary manufacturer shall be certified to the American Welding Society Standard AWS D12, and certification documents must be provided if requested.

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All body welds shall not only be inspected by the primary manufacturer but shall also be inspected by an outside engineering firm and said firm shall conduct another visual inspection and a dye penetration test designed to reveal any flaws or imperfections in the welds. Documentation on this process must be provided if requested. **NO EXCEPTIONS.**

Does your bid comply with this requirement?

Yes ( )      No ( )

### VEHICLE BODY STRUCTURE

All parts of the ambulance body, as specified in paragraph 3.10.6 of Federal Specification KKK - A - 1822F, shall, where applicable, be of welded construction. Where fasteners are used in such areas as hinge attachment, hardware attachment, etc., the fasteners shall be ceramic coated aluminum and stainless steel. Any hole drilled into the modular body painted surface shall be coated with an ECK corrosion inhibitor prior to installation of the part. **NO EXCEPTIONS.**

Does your bid comply with this requirement?

Yes ( )      No ( )

Tapping plates of 6061-T6 alloy aluminum varying in widths of one quarter to one half inch shall be welded to the framing to secure the installation of equipment such as; cabinets, benches, partitions, cylinders, cot fasteners, etc. The body and panel joints shall be watertight and all openings between the chassis and modular shall be sealed. In addition a drip rail shall be supplied over each exterior compartment. The drip rail shall be attached in such a manner as to provide for quick and easy replacement. Drips rails attached by mechanical fasteners shall not be used.

Does your bid comply with this requirement?

Yes ( )      No ( )

### BODY MOUNTING

The mounting system shall not cause any chassis frame deformation. There shall be ten mounting points, five on each frame rail. The modular body shall have full perimeter welded sill rails of one half inch by two inch of 6061-T6 alloy aluminum and be attached to the vehicle utilizing one inch by three inch sill plates of 6061-T6 alloy aluminum. The modular body shall be welded to the sill plates at every exposed seam. At all outriggers mounting locations a double compression, neoprene rubber isolator mounts shall be used to minimize chassis vibration transfer to the modular body. The modular body and

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sill plates shall be attached to the frame rails using three quarter inch grade eight bolts. Any method contrary to QVM which may void the chassis warranty shall not be accepted.

Does your bid comply with this requirement?

Yes ( )      No ( )

### FLOOR

The floor shall be at lowest level permitted by clearances, but not more than thirty three inches from the ground. The floor structure shall consist of two by two by .125 structural box sections with 6061-T6 alloy aluminum. The floor structure shall be welded with eight inches of weld at every joint. The openings created for the placement of exterior compartments shall have six inches of weld to insure a smooth surface to fit the compartment in the structure. Tapping plates of one quarter inch and one half inch of 6061-T6 aluminum shall be completely welded both sides to the floor assembly. The finished floor assembly shall be securely welded to the wall structures with eight inches of weld and skipped welded every four inches to the exterior compartments. All critical load points shall be reinforced with one quarter inch by three inch by four inch gusset plates. Above the floor channels there shall be an aluminum moisture shield .050 inches thick. The entire underside of the modular shall be sealed with a waterproof sealant. All hollow structural shapes or cavities shall be sealed utilizing approved expandable foam.

Does your bid comply with this requirement?

Yes ( )      No ( )

The rear patient access shall be equipped with an exterior aluminum threshold mount to the lower door jamb. This threshold will protect the bottom door jamb; in addition the rear patient floor shall have a fourteen gauge stainless steel cot protector.

Does your bid comply with this requirement?

Yes ( )      No ( )

### EXTERIOR STORAGE ACCOMMODATIONS

The exterior compartments shall be constructed of .090 aluminum and shall be formed by a computer controlled brake and shear to decrease the amount of welding to fully enclose the compartment. The compartment therefore, shall be water tight. The compartment shall be welded in place to the side and floor structure with an additional bracket welded to a bracket connecting the exterior wall two with the floor structure. The floor of the exterior compartments shall be at least two inches below the lower door

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frame lip to help prevent equipment from falling out should a door not be closed. The compartment floor shall be supported from beneath with one by two by .125 6061 T-6 rectangular tubing welded to the underside and the floor structure. All exterior compartments shall be vented above the floor line with machine stamp louvers. The exterior compartment shall be lockable with one key fitting all doors. The compartments shall be equipped with handle and door locks. Each exterior compartment shall be provided with a sealed light to be illuminated upon the door opening. The light shall be activated by a mechanical switch. A door open indicator light shall be visible on the driver's console. The compartment configuration shall be as described.

Does your bid comply with this requirement?

Yes ( )      No ( )

### PATIENT COMPARTMENT SOUND LEVEL

The sound level shall meet the requirements of paragraph 3.13.8 of Federal Specification KKK - A - 1822F.

Does your bid comply with this requirement?

Yes ( )      No ( )

### INTERIOR SURFACES

All vertical edges of cabinets shall be of an aluminum extrusion with a 3/4 inch radius designed to free the interior of the patient's compartment of all sharp edges or projections. The face and inside of the cabinets shall be covered by a commercial grade laminate and adhered to the cabinet face by a high quality poly vinyl adhesive using a thermal press application. The wood, adhesive and laminate shall be pressed together at 200 degrees for four minutes in a thermal platen press. There shall be no voids of the adhesive between the laminate and the cabinet surfaces.

Does your bid comply with this requirement?

Yes ( )      No ( )

### 35-052-2001 CABINET CONSTRUCTION

The interior cabinets, squad bench assembly, shelves and doors shall be constructed of Feather ply plywood; due to the product's ability to be customized to fulfill the needs of this agency, the additional acoustical and thermal insulation properties, repair ability, and the safety factor of not producing sharp fragments or shards in the event of a serious collision. The thickness of the finished panels used to construct the cabinets,

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shelves and doors shall be 3/4 inches including mica and adhesive. Any construction material that provides anything less than 3/4 inch panels in cabinet construction is not acceptable to this agency. **NO EXCEPTIONS.**

The squad bench 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 patient compartment wall panel (behind the squad bench) and the cab compartment wall panel shall be constructed of 1/4 inch plywood and covered with color coordinating high pressure laminate.

The cabinets shall be constructed using 8 mm dowels placed no farther than 32 mm apart. The dowels shall be a hardwood and pre-glued.

The doors on the upper cabinets shall be surface mounted with European hinges and 3mm edge banding. The doors on the center and lower cabinets shall be flush mounted using continuous stainless steel piano hinge and a 3 mm edge banding. All doors and cabinet openings shall be covered with a 3 mm edge banding with radius edges.

Does your bid comply with this requirement?

Yes ( )      No ( )

### INTERIOR STOWAGE ACCOMMODATIONS

The interior of the patient compartment shall provide but not be limited to a minimum volume of thirty cubic feet of enclosed cabinets. Interior cabinet, shelf and compartment space shall be conveniently located for medical supplies, devices or other equipment. All interior cabinets shall be fully lined inside with high-pressure plastic laminate. The equipment and supplies necessary for airway management shall be within easy reach of the medic at the head of the stretcher. Interior cabinet dimensions are as described.

Does your bid comply with this requirement?

Yes ( )      No ( )

### INTERIOR HEADROOM

The interior headroom shall be a minimum of 67 inches.

Does your bid comply with this requirement?

Yes ( )      No ( )



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### COMPARTMENT FINISH

The inside of all compartments shall be fully finished with a chip resistant, bacteriostatic, anti-fungal, mildew resistant sprayed on finish.

Does your bid comply with this requirement?

Yes ( )      No ( )

### EXTERIOR COMPARTMENTS

The bottom of compartments B1, B2, D and E shall drop down 3 inches from the door opening for maximum storage space in the compartment.

Does your bid comply with this requirement?

Yes ( )      No ( )

### EXTERIOR COMPARTMENTS

The bottom of compartments A and F shall be flush with the door opening to provide for a sweep out design.

Does your bid comply with this requirement?

Yes ( )      No ( )

### DOORS

The outer face of the door and door edges shall be formed from one sheet of 5052-H32 aluminum. The door shall be flush with the body side. The outer skin shall be 0.125 inches thick and shall be welded every six (6") inches to the inner door frame using a minimum of one and one-half inch (1-1/2") long bead. All corners shall be welded a minimum of two inches (2") in each direction. The edge of the door shall be seamless.

The door frame shall meet with the exterior skin with a smooth seamless transition. There shall be no seams or crevices on the door or the door frame which allows the possibility of corrosion.

Both patient compartment and exterior compartment doors shall be provided with extruded rubber seal system consisting of a hollow cell bulb gasket. The gasket shall insert into an appropriately designed groove in the inner door extrusion. This will provide the best seal possible. Glued on seals or seals that are mounted to the compartment openings are unacceptable as they will easily be torn by loading or loading of equipment stored in the compartment.

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All doors shall be attached using minimum 1/4-20 stainless steel hex bolt with stainless steel piano hinges with a pin of at least 0.250 inch in diameter. The hinge must be slotted to provide field adjustments. An ECK corrosion inhibitor shall be applied to the door frame and jamb bolt holes prior to installing the hinge.

All compartment doors shall be constructed the same as the entry doors. To ensure continued door alignment and successful latching capabilities, all access doors must be encased by a door jamb that is separate from the body skin and welded to the 2" x 2" tubular body frame members. The door jamb shall be a 0.125"/0.380" thick 6063-T6 aluminum extrusion.

The interior surface of the patient compartment doors (rear and curb side) shall be finished in a safe and attractive manner that harmonizes with the interior appointments. The door panels shall be designed to allow removal without disturbing the door latching hardware. Door panels must be flush fitting not overlay. Doors using pliable materials such as upholstery are prohibited due to greater risk of contamination by blood born pathogens through stitching or when cut or torn.

The three (3) patient compartment doors shall be fitted with stainless steel, flush fit, "paddle latch" hardware on the interior and an "automotive style" handle on the exterior. The patient compartment doors shall be provided with a keyed lock and the rear doors and side door shall be lockable from the inside without a key per FMVSS.

When the doors are opened, the hinges, latches and door checks shall not protrude into the access area. All patient compartment doors shall employ the same type locking hardware. All door latches shall comply with requirements of FMVSS 206.

The locking devices shall be two-stage rotary latches and shall be FMVSS 206 certified. Where applicable, there shall be two door latches, one at the top and one at the bottom, controlled by a single locking handle. The latches shall lock into an adjustable "Nader" type pin located in the door frame. The Nader will utilize a captive nut to provide adjustment and replacement without loss of the nut plate. The locking system shall be actuated from the locking handle by metal push rods.

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 .812" deep by 4.125" 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

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doors to provide a barrier between the hinge and the paint.

All entry and compartment doors shall be insulated with 2-1/2" thick closed cell block foam insulation.

Does your bid comply with this requirement?

Yes ( )      No ( )

### COMPARTMENT B1

Compartment B1 is on the passenger side just behind the rear wheel. The door opening dimensions shall be a minimum of 19.25 inches high and 24.5 inches wide. The interior dimensions shall be a minimum of 22.75 inches high and 25.5 inches wide and 18.5 inches deep.

Does your bid comply with this requirement?

Yes ( )      No ( )

### COMPARTMENT B2

Compartment B2 is the passenger side rear compartment. The door opening dimensions shall be a minimum of 81.25 inches high and 11.5 inches wide. The interior dimensions shall be a minimum of 85 inches high and 13.5 inches wide and 18.5 inches deep.

Does your bid comply with this requirement?

Yes ( )      No ( )

### COMPARTMENT D

Compartment D is the driver's side rear compartment. The door opening dimensions shall be a minimum of 36.25 inches high and 29.25 inches wide. The interior dimensions shall be 40 inches high and 32.5 inches wide and 18.5 inches deep.

Does your bid comply with this requirement?

Yes ( )      No ( )

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**COMPARTMENT E**

Compartment E is on the driver's side just forward of the rear wheel. The door opening dimensions shall be a minimum of 36.25 inches high and 33 inches wide. The interior dimensions shall be 39 inches high and 35.75 inches wide and 18.5 inches deep.

Does your bid comply with this requirement?

Yes ( )      No ( )

**COMPARTMENT F**

Compartment F is the driver's side forward compartment. The door opening dimensions shall be a minimum of 58.5 inches high and 15.25 inches wide. The interior dimensions shall be 58.5 inches high and 15.75 inches wide and 18.5 inches deep.

Does your bid comply with this requirement?

Yes ( )      No ( )

**FUEL FILL HOUSING**

A Cast aluminum fuel fill housing shall be installed according to the chassis manufacturer's instructions.

Does your bid comply with this requirement?

Yes ( )      No ( )

**EXTERIOR VERTICAL DIVIDERS**

A vertical divider shall be located in compartment B2. It shall be manufactured of 3/16 inch thick aluminum and be painted with scratch resistant Gray Zolatone paint. The divider shall be approximately 11 inches wide and extend from the top of the compartment to the bottom.

Does your bid comply with this requirement?

Yes ( )      No ( )

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**EXTERIOR VERTICAL DIVIDERS**

A vertical divider shall be located in compartment F. It shall be manufactured of aluminum and be painted with scratch resistant Gray Zolatone paint. The divider shall be approximately 11 inches wide and extend from the top of the compartment to the bottom.

Does your bid comply with this requirement?

Yes ( )      No ( )

**EXTERIOR COMPARTMENT SHELVES**

The exterior compartment shelves shall be manufactured from 0.125 inch aluminum. Each shelf shall have a 0.125 inch thick ribbed rubber mat. Shelves per compartment shall be as follows:

Compt A:    1  
Compt B1:   0  
Compt B2:   0  
Compt D:    0  
Compt E:    0  
Compt F:    0

The shelf track shall be heavy duty extruded aluminum.

Does your bid comply with this requirement?

Yes ( )      No ( )

**EXTERIOR ELECTRICAL SHELF**

A fixed exterior shelf shall be located in compartment "E" near the top of the compartment. It shall serve the sole purpose of holding electrical equipment.

Does your bid comply with this requirement?

Yes ( )      No ( )

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**RUBBER COATING**

Compartment XXXXX shall be coated with a highly durable polyurea with a textured finish. The compartment shall be properly prepped and primed prior to the rubber coating application.

Does your bid comply with this requirement?

Yes ( )      No ( )

Compartment door XXXXX shall be reinforced with 1/4 inch flat bar for an SCBA bracket mounting.

Does your bid comply with this requirement?

Yes ( )      No ( )

**STEP WELL AND WINDOWS**

The curb side door step well shall have a light recessed into wall one of the step well. It shall be automatically lit when the side and rear doors are opened. The light shall be activated by a switch. The step well shall be finished with a polished aluminum diamond plate. There shall be a window in each of the three patient access doors. The window frame shall be of an extruded aluminum design with a protective anodized finish. The curbside entry door window shall include a sliding window to allow for fresh air when needed. The two rear door windows shall have fixed glass. The glass shall have a privacy tint.

The curbside window shall have the following dimensions: 26 1/2 inches high and 19 1/2 inches wide. The rear windows shall be 22 1/2 inches high and 13 1/2 inches wide.

Does your bid comply with this requirement?

Yes ( )      No ( )

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### COMPARTMENT DOOR LATCHES, HINGES AND HARDWARE

When the doors are opened, the hinges, latches and door checks shall not protrude into the patient compartment. All compartment doors shall employ the same type of locking hardware. All door latches shall comply with FMVSS 206. The locking devices shall be two stage rotary latches and shall be in accordance with FMVSS. There shall be two door latches, one at the top and one at the bottom, controlled by a single locking handles. The latches shall lock into an adjustable Nader type pin located in the door frame. The Nader will utilize a captive nut to provide adjustment and replacement without loss of the nut plate.

The compartment door handles shall be Trimark OEM style handle with a large enough space for gloved hands to operate the handle. The door handles shall be free floating with 1008 cold rolled steel mechanical components with Nitrotec treated wear components. The locks shall be a KeyOne Plus lock cylinder with a reversible key. The KeyOne Plus system allows the lock core to be removed with a special key and allows it to be rekeyed for additional security and keying fleets the same. The compartment door entry system shall have been tested to 50,000 cycles. The door handle shall be mounted to the exterior door panel using mechanical fasteners and rubber gaskets that will eliminate the possibility of electrolysis. All doors shall have closed cell block foam insulation.

### POWER DOOR LOCKS

The compartment and entry doors shall include power door locks that enable remote activation.

Does your bid comply with this requirement?

Yes ( )      No ( )

### POWER DOOR LOCKS SWITCHES

A momentary rocker switch shall be located XXXXX and enable the power door locks for the compartment and entry doors.

Does your bid comply with this requirement?

Yes ( )      No ( )

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POWER DOOR LOCKS SWITCHES

A stealth switch shall be located XXXXX and enable the power door locks for the compartment, entry, and cab doors. The switch must be weather resistant.

Does your bid comply with this requirement?

Yes ( )      No ( )

**Circuit, OEM Door Lock to activate Mod Doors, Dodge**

REAR DOOR HOLD OPENS

The rear doors shall be held open by (2) 4.5 inch Cast Grabber. The U shaped piece shall be attached to the door. It shall enter into a rubber insert when the door is in the open position. An ECK corrosion inhibitor shall be applied to the mount-in holes prior to installation.

Does your bid comply with this requirement?

Yes ( )      No ( )

COMPARTMENT DOOR HOLD OPEN

Compartment XXXXX shall have a 30 pound gas strut in lieu of a spring loaded hold open.

Does your bid comply with this requirement?

Yes ( )      No ( )

COMPARTMENT DOOR HOLD OPEN

Compartment XXXXX shall have a 30 pound gas strut in lieu of a spring loaded hold open.

Does your bid comply with this requirement?

Yes ( )      No ( )



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### DOOR PANELS

The upper and lower portion of the curbside and rear door panels shall be brushed stainless steel. The center shall be reflective chevron covered aluminum.

Does your bid comply with this requirement?

Yes ( )      No ( )

### REAR FENDERS

Rubber fenderettes shall be provided around the rear wheel well openings to provide protection from wheel wash. An ECK corrosion inhibitor shall be applied to the mount-in holes prior to installation.

Does your bid comply with this requirement?

Yes ( )      No ( )

### BUMPERS AND STEPS

The chassis manufacturer shall supply the vehicle's front bumper. The rear bumper and step assembly shall be a single unit constructed of ten gauge steel "C" formed channel and .100 inch thick aluminum tread plate as measured at the thinnest point of the tread plate. The center step of the bumper assembly shall be designed to allow it to flip up and out of the way to facilitate patient loading. The flip up section of the rear bumper shall be diamond plate to meet the requirements of KKK - A - 1822E specification. The diamond plate flip up step shall be punched with three rows of raised star-shaped holes to create additional non-skid surface. A 2x2x0.125 aluminum box tube shall be welded inside the step full width on the side farthest from the rear of the vehicle. A stainless steel hinge with a center pin of .250 inch shall be used to attach the flip up section of the rear step to the main rear bumper assembly. There shall be eye beam constructed skid plates with tow eyes mounted as part of the frame of the bumper. This assembly shall be bolted to the frame of the chassis with 5/8 inch Grade 8 bolts. There shall be a one half inch clearance between the bumper assembly and the rear of the modular body to allow water drainage and inhibit water collection. There shall be a three inch red LED marker light on the street side and curb side of the bumper assembly. These lights shall be a sealed unit and the connectors protected with an adhesive heat shrink. The lights shall flash with the turn signals and shall illuminate with the vehicle head light control.

Does your bid comply with this requirement?

Yes ( )      No ( )

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### REAR DOCK BUMPERS

Dock bumpers shall be installed on each outboard pontoon on the rear bumper. The dock bumpers shall measure 10 inches wide and 4 1/2 inches high and 3 inches deep.

Does your bid comply with this requirement?

Yes ( )      No ( )

### RUNNING BOARDS

Diamond plate running boards shall be installed just under the cab doors for both the driver and passenger. The diamond plate step shall be punched with rows of raised star-shaped holes to create additional non-skid surface. The boards shall allow for easy entry into the cab.

Does your bid comply with this requirement?

Yes ( )      No ( )

### SKIRT RAILS

The street side and curbside modular body shall be provided with aluminum diamond plate skirt line trim rails. The rails shall be installed along the lower edge of the body. The rails shall be offset from the sides by a minimum of one half inch to allow water and road wash not to collect between the rail and modular rail. Nylon spacers shall be used to install the rails to eliminate the possibility of electrolysis.

Does your bid comply with this requirement?

Yes ( )      No ( )

### FRONT STONE GUARDS

The lower front corners of the patient compartment shall have stone guards attached to the corner extrusion. They shall be diamond plate aluminum and extend from the bottom edge of the corner extrusion up 24 inches.

Does your bid comply with this requirement?

Yes ( )      No ( )

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### REAR KICK PLATE

Above the rear bumper and below the rear doors, there shall be a full length riser of aluminum diamond plate for a protective kick panel. The kick panel shall be securely fasten-end with ceramic coated stainless steel screws to inhibit rust that could result from electro-lysis and run the full rear width of the module. Pop rivets are not acceptable. There shall be a recess in the center of the kick plate for the rear license tag.

Does your bid comply with this requirement?

Yes ( )      No ( )

### LICENSE PLATE HOLDER

A Cast Products C30002 license plate holder shall be installed in the rear kick plate.

Does your bid comply with this requirement?

Yes ( )      No ( )

### COMPARTMENT SILL PROTECTORS

All compartments shall have a stainless steel sill protector. It shall be manufactured from 20 gauge stainless steel and cover the bottom door frame protecting it from scratches.

Does your bid comply with this requirement?

Yes ( )      No ( )

### ELECTRIC STEP

A Kwikkee Products electric step, model#33 with cover, shall be installed under the curbside entry door. The step shall automatically open when the curbside door is opened.

Does your bid comply with this requirement?

Yes ( )      No ( )

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REAR MUD FLAPS

Rear mud flaps shall be installed just behind the rear tires.

Does your bid comply with this requirement?

Yes ( )      No ( )

PREPARATION FOR PAINTING, COLOR AND MARKERS

All bare aluminum shall be coated with a corrosive resistant self etching primer. An auto-motive urethane sealer shall be used as well as an automotive urethane topcoat. The prim-err, sealer, and topcoat shall be a minimum of three point three mils thick. A small amount of body filler may be used to smooth imperfections in the aluminum. Colors and markings will be determined by this agency. The vehicle shall meet salt spray resistance and vehicle undercoating as set forth in paragraph 3.16.3 and 3.17 respectively of Federal Specification KKK - A - 1822F.

The compartment and entry doors shall be painted separately from the modular body. The doors shall then be installed on a fully painted module. **NO EXCEPTIONS**

The paint scheme shall be as follows: XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

ROOF TOP MARKINGS

A "Star of Life" of not less that 32 inches and conforming to KKK-1822E section 3.16.4.C shall be installed on the ambulance rooftop.

Does your bid comply with this requirement?

Yes ( )      No ( )

ELECTRICAL LABELS

Electrical components such as junction blocks, terminals, breakers, relays, shunt, and batteries shall be labeled.

Does your bid comply with this requirement?

Yes ( )      No ( )

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### ELECTRICAL SYSTEMS AND COMPONENTS

The emergency medical vehicle's electrical system must meet KKK - A1822 - E Section 3.7.1. This agency will specify systems, components, materials, and production methods within this section. However, failures can occur whether the vehicle is under warranty or outside the warranty parameters. This agency operates the vehicle on twenty four hours a day, seven days a week (24/7) basis. Therefore, the primary manufacturer will provide a local service facility during regular business hours and a 24/7 support service staffed by trained technicians to assist this agency.

24/7 Service assistance, phone number \_\_\_\_\_

Does your bid comply with this requirement?

Yes ( )      No ( )

The driver and patient compartment control consoles shall be constructed in a way that the switches and any gauges are easily serviced. They shall be accessible through service panels. These panels will be secured in the closed position in a positive manner, yet can be easily opened for service.

Does your bid comply with this requirement?

Yes ( )      No ( )

The control console gauges shall be internally illuminated and controlled by the headlight switch rheostat. All lights and fixtures installed on the module exterior shall have an ECK corrosion inhibitor applied to all mounting holes prior to installation. **NO EXCEPTIONS.**

Does your bid comply with this requirement?

Yes ( )      No ( )

The driver and patient console shall incorporate full size "Euro-Style" rocker switches. The switch assembly shall be 1.97 inches tall by 1.064 inches wide with silver plated copper contacts and a .250 inch spade type terminal. The rocker switch shall incorporate a LED indicator lamp and rated at 15 Amps continuous service. The switch and rocker shall be of a thermo set molding material. The complete switch assembly shall be designed to withstand one thousand (1,000) volts RMS dielectric test. The switches shall have a positive "throw" feel and an audible click upon activation and deactivation

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Does your bid comply with this requirement?

Yes ( )      No ( )

The rocker switches, as described in section 4.1.3, shall have integrated label lens area that is illuminated by two independent LED's. The LED brightness shall be controlled by the headlight rheostat. The label shall be white legends on black poly carbonate background.

Does your bid comply with this requirement?

Yes ( )      No ( )

The OEM throttle monitor shall be mounted in the primary manufacturer's console. It shall be mounted to be easily accessible to the driver.

Does your bid comply with this requirement?

Yes ( )      No ( )

**WARNING INDICATORS**

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

Does your bid comply with this requirement?

Yes ( )      No ( )

A battery indicator light shall be provided. It will be a green light located in the warning light panel. It shall illuminate when the battery switch is in the "ON" position. The light shall be steady burn to indicate the batteries have been selected.

Does your bid comply with this requirement?

Yes ( )      No ( )

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### WIRING INSTALLATION

The ambulance body and accessory electrical equipment shall be served by circuit(s) separate and distinct from the vehicle chassis circuits. Wiring methods must conform SAE J1292. All wiring provided by the primary manufacturer shall be copper and conform all the SAE J1127 and SAE J1128 requirements. All low tension primary cable shall have GXL or better insulation. All low tension battery cable shall have SGX insulation. Documentation from the wiring manufacturer that the wire used by the primary manufacturer is in compliance with this requirement shall be submitted with the proposal. Bids not meeting this requirement will not be accepted.

Does your bid comply with this requirement?

Yes ( )      No ( )

The wiring shall be permanently color coded to identify wire function. Wires shall be permanently heat ink embossed with both number and function codes. The function code shall be the descriptive name of the circuit served. The number code shall be the exact purpose of that circuit. This number code shall be completely referenced in a detailed wiring schematic provided with the vehicle. The function and number code shall be embossed at a minimum of four inch intervals the entire length of the wire terminating into all switch and control panels. The use of multi-conductor cable must be function and color coded and shown on the wiring diagram.

Does your bid comply with this requirement?

Yes ( )      No ( )

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

Does your bid comply with this requirement?

Yes ( )      No ( )

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Circuit connections shall be made on barrier style terminal blocks utilizing binding post screws for positive mechanical connections. minimize the potential for wiring shorts and voltage drops all wiring terminals shall be brass, tin plated, annealed, ETP copper with nylon high heat insulation. Serration's, inside the barrel, provide maximum contact and tensile strength after crimping. Connection shall be machine crimped, UL standards, with a high quality crimping tool that produces crimps for a given size wire and terminal that are precisely alike in appearance and performance. Crimping pressure must be controlled by a ratchet device on the hand tool or a corresponding pre-calibration in the crimping jaws of an automated machine. Crimping pressure can neither over-stress nor under stress the terminal-barrel-machined dies.

Does your bid comply with this requirement?

Yes ( )      No ( )

No splices shall be permitted except for connection of "pig-tail" devices. Butt splices are permitted for connection of "pig-tail" devices. The use of IDC (Insulation Displacement Connector) connectors, i.e.: "3M Scotchlok" type fasteners, is not acceptable.

Does your bid comply with this requirement?

Yes ( )      No ( )

The various wiring installations as supplied with this vehicle shall be of the automotive "harness" design. For ease of identification and future replacement these harnesses shall be engineered and manufactured in the following sections.

1. Engine compartment harness.
2. Driver's control console harness.
3. Main module harness.
4. Chassis rear lighting harness.

This agency is extremely concerned the primary manufacturer has the ability to control warranty and replace the harnesses. To that end, the primary manufacturer shall not subcontract the construction of these harnesses.

Does your bid comply with this requirement?

Yes ( )      No ( )



# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### WIRING CRITERIA AND CIRCUIT BOARD

All wiring devices, switches, outlets, etc., except circuit breakers, shall be rated carry a minimum of one hundred and twenty-five percent (125%) of the maximum ampere load for which the circuit is protected. All wires carrying a load of more than 5 amperes shall be a minimum of 16 AWG. There shall be a master electrical component panel located in the vehicle. It is preferred that the master panel be mounted on or near the bulkhead of the patient compartment. Standard circuit breakers, relays, and diodes shall be mounted on a printed circuit board that is easily accessible. All components on the circuit board are to be permanently labeled as their function.

Does your bid comply with this requirement?

Yes ( )      No ( )

The printed circuit board shall be designed and manufactured as follows: A screen printed board with all circuits fully numbered and labeled. The circuit board shall be a double-sided copper trace printed circuit with a double-sided laminated isolator. The board shall be non photo image able solder mask over bare copper with hot air leveled solder over non masked copper. Fuse capacity is the beginning factor in calculating trace width to ensure proper current carrying capability. The circuits shall then be oversized as much as space permits for maximum cooling of the board. All holes shall be plated through. The terminal strips shall be mounted on the board for connection of the above mentioned wiring harness. Automotive transient suppressers must be incorporated into circuit board at the point of cable entry to the board. All relays must include built in noise suppression. The suppression must be accomplished with an IN4001 parallel with the coil. The relay must have a 40 ampere continuous contact rating with one form C contact arrangement. Normally open contact must have a maximum initial voltage drop of 200 milli-volts at 40 ampere contact load. The relays must withstand 24 VDC for five minutes conducting rated contact current in case of accidental 24 volt jump start condition. Circuit board options must be programmable via jumpers to facilitate addition of options. The color of wire and circuit number must be screened printed at the terminal block connections on the board for rapid identification and relation schematics.

Documentation that the above requirements are met must be included with the bid document.

Does your bid comply with this requirement?

Yes ( )      No ( )

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

The printed circuit board shall incorporate red LED indicators for on board diagnostics for input, output, and switching circuits for troubleshooting at a glance.

Does your bid comply with this requirement?

Yes ( )      No ( )

### CIRCUIT BOARD CERTIFICATION

The printed circuit board must meet the following specifications:

1. Packaging and Interconnecting Acceptability Standard number IPC 600
2. UL-796
3. Solder mask, IPC number SM-840
4. Solder in conformance with MIL SPEC QS-571
5. Laminate in conformance with IPC number 4101

Certification must be included with this bid.

Does your bid comply with this requirement?

Yes ( )      No ( )

A service loop of wire or harness, per KKK-A1822-E specification, shall be provided at all electrical components, terminals, and connection points. All relays shall be mounted for ease of serviceability. All high current diodes greater than 5 amperes shall be heat sink mounted. provide the optimum circuit "overload" protection, the electrical system's main circuit board shall allow for the use of stud type automatic reset pole breakers. One spare 15 ampere circuit breaker shall be provided for future use. A solid state electronic flasher shall be heat sink mounted to the panel for control of the flashing warning light system. All wiring between the cab and module shall be connected to a terminal strip(s) or block(s) or use multi pin connectors on the electrical component panel and shall provide for future module replacement. All connectors and terminals provided shall comply with SAE J163, J561, or J928 as applicable.

Does your bid comply with this requirement?

Yes ( )      No ( )

City of Long Beach Fire Department  
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MASTER MODULE DISCONNECT SWITCH OR DEVICE

This device shall be located on the driver's compartment console and shall be permanently labeled and back lighted with a LED light and the brightness controlled by the head light rheostat. The "MASTER" disconnect switch shall be considerably different in size and feel from the other console switches.

Does your bid comply with this requirement?

Yes ( )      No ( )

PATIENT COMPARTMENT CONTROLS

All switches and controls for the patient compartment shall be located on a service panel in the Action Area angled slightly toward the rear of the vehicle. The switches and controls shall be identical as referenced in section 4.1.3 of this document. These switches shall not function until the "MASTER" switch in the driver's console is in the "ON" position. The patient compartment switches shall be permanently marked and back lighted by a LED light.

Does your bid comply with this requirement?

Yes ( )      No ( )

ELECTROMAGNETIC RADIATION AND SUPPRESSION

Must meet KKK - A1822 - F specification. Documentation from an independent testing laboratory must be included with the bid.

Does your bid meet this requirement?

Yes ( )      No ( )

**Install Customer supplied Antenna' with coax**

City of Long Beach Fire Department  
2009 Dodge Type I Module Ambulance

INTERNAL 12 VOLT DC POWER

The patient compartment shall be furnished with a 12 volt DC, 20 ampere capacity, separately protected circuit, with two outlets. The outlets shall be Cigar Lighters and shall be located in the Action Area.

Does your bid comply with this requirement?

Yes ( )      No ( )

INTERNAL 12 VOLT DC POWER

A Cigar Lighter outlet shall be installed XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

POWER SOURCE

A 12VDC power source shall power XXXXX. It shall be 15 amp and XXXXX hot.

Does your bid comply with this requirement?

Yes ( )      No ( )

POWER SOURCE

A 12VDC power source shall power XXXXX. It shall be 30 amp and XXXXX hot.

Does your bid comply with this requirement?

Yes ( )      No ( )

BACKUP CAMERA

A Safety Vision backup camera with color LCD monitor shall be installed. The camera shall be mounted on the rear of the module, off center toward the driver's side. The monitor shall be mounted in the cab visible to the driver.

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Does your bid comply with this requirement?

Yes ( )      No ( )

SHORELINE INLET

A 30 amp Auto Eject shoreline inlet with a GFI shall be installed and located XXXXX. The inlet shall have a white cover.

Does your bid comply with this requirement?

Yes ( )      No ( )

115 VOLT AC UTILITY POWER

115 volt AC utility power must meet KKK - A1822 - F. Utility power shall be as described in KKK - A1822 - F paragraph 3.7.8.1. Electrical 115 volt AC receptacles shall be as described in KKK - A1822 - F paragraph 3.7.8.2.

Does your bid comply with this requirement?

Yes ( )      No ( )

110 VAC OUTLETS

Two 110VAC duplex outlets shall be installed in the patient compartment. One outlet shall be located in the action area, and one outlet shall be located in the right front cabinet.

Does your bid comply with this requirement?

Yes ( )      No ( )

ADDITIONAL 110VAC OUTLET

An additional 110VAC duplex outlet shall be installed XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

**City of Long Beach Fire Department**  
**2009 Dodge Type I Module Ambulance**

**INVERTER/CHARGER**

A Fleet Power FP2000 inverter/charger with remote shall be installed. It shall provide power the 110VAC outlets. A switch shall be located in the action area.

Does your bid comply with this requirement?

Yes ( )      No ( )

**ENGINE HOUR METER**

An Engine Hour Meter shall be installed in the front center console. It shall be a Datcon 100-223 12-24.

Does your bid comply with this requirement?

Yes ( )      No ( )

**LOAD MANAGEMENT**

A Kussmaul Sequencer shall manage the electrical load of the vehicle. It shall turn on essential loads such as primary warning lights first and then any optional lighting in a programmed sequential order and it shall turn off in the reverse order. The load manager shall not turn off any components when the vehicle is in gear.

Does your bid comply with this requirement?

Yes ( )      No ( )

**Switch, Emergency Lights, 3 position IATS**

**EMERGENCY MASTER SWITCH**

An Emergency Master Switch shall be located in the Engine Cover Console just the right of the Master Switch. The engaged emergency master switch shall turn on all of the emergency lights in a programmed sequential manner if the master switch is in the on position.

Does your bid comply with this requirement?

Yes ( )      No ( )

City of Long Beach Fire Department  
2009 Dodge Type I Module Ambulance

**Siren Speakers, Dodge Ram SLT**

**Siren, Unitrol TM-4, ILOS**

ADDITIONAL AIR TANK FOR BUELL AIR HORNS

An additional air tank for Buell air horns shall be installed.

Does your bid comply with this requirement?

Yes ( )      No ( )

AIR HORNS

A Buell 5440 air horn system shall be installed with two horns. One horn shall be 10 inches long and one horn shall be 12 inches long. The compressor shall be mounted in compartment E. The trumpets shall be mounted XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

SIREN/HORN SWITCHING

The siren shall be switched through the horn ring.

Does your bid comply with this requirement?

Yes ( )      No ( )

ADDITIONAL SWITCHES

A momentary push button switch shall be located XXXXX and shall power XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### BACKUP ALARM

A backup alarm with a cut off switch shall activate when the vehicle is shifted into reverse. The alarm shall automatically be reset and engage when the vehicle is placed in reverse again. The device must meet OSHA and SAE J994 requirements, and shall be rated (SAE) for Type C or B.

Does your bid comply with this requirement?

Yes ( )      No ( )

### VEHICLE EXTERIOR LIGHTING REQUIREMENTS

The basic exterior ambulance lighting shall comply FMVSS standard number 108 and the requirement herein and include:

1. Amber front, rear directional signals, red brake and hazard warning lights.
2. Front and rear side marker lights.
3. Back up light(s).
4. Loading lights.
5. Clearance lights
6. Ambulance emergency lights.
7. Flood lights.
8. Spotlight(s)

Note: This agency is concerned for the safety of the patients, crew, and the public sharing the roadways. Therefore, this agency requires the primary manufacturer incorporate recessed DOT marker lights at the highest point of the vehicle. The marker lights shall be visible 360 degrees. In addition each corner marker light shall be visible 180 degrees, also at each corner the marker light lens cover shall be tilted upward on a 45 degree angle be visible above the horizontal plane for 360 degrees. These measures will insure the vehicle will be visible in low light conditions with the headlights in the "on" position. **Bolt on upper clearance lights or clearance lights within the support side extrusions will not be acceptable.** The rear side marker light shall be a minimum of two inches in diameter and shall function as a turn signal indicator as described in KKK - A1822 - E.

Does your bid comply with this requirement?

Yes ( )      No ( )



# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### EMERGENCY LIGHTING SYSTEM

The emergency lighting system must provide the vehicle with 360 degrees of visual warn-in ability. The system must display highly perceptible and attention getting signals that function in a modal system and convey the message in the primary mode to clear the right of way. In the secondary mode hazard vehicle stopped on right of way.

Does your bid comply with this requirement?

Yes ( )      No ( )

The basic warning light system shall contain twelve red, one clear and one amber light. These lights shall function in a dual mode system as shown in KKK - A – 1822F and meet the physical and photo metric requirements of paragraph 3.8.2.1 of that same document. The upper body warning lights shall be identical and mounted at the extreme upper corner areas of the ambulance body below the horizontal roof line, with the single clear light mounted between the two front facing red upper corner lights and the amber light centered above the rear doors. The two red grill lights shall be mounted per KKK - A – 1822F specifications without compromising the chassis manufacturer's air intake into the engine compartment.

Does your bid comply with this requirement?

Yes ( )      No ( )

### PHOTO METRIC AND PHYSICAL REQUIREMENTS

As specified by KKK - A – 1822F. All emergency light switches shall be labeled as specified in paragraph 3.7.11 of KKK - A – 1822F, and the primary/secondary mode switch(s) shall have an indicator light to show the driver which mode is activated. All warning light control switches, as described in section 4.3.1 of this document, shall be located in the driver control console and arranged to provide the warning signal modes and combinations as specified in Table 1 of KKK - A – 1822F, page 19. An independent test-in laboratory will certify that the system meets these requirements. Test documents to be included with this proposal.

Does your bid comply with this requirement?

Yes ( )      No ( )

City of Long Beach Fire Department  
2009 Dodge Type I Module Ambulance

**Light Bar, Whelen 4502LF, 86", LLLLOptiLLLL, R/R/C/R/opti/R/C/R/R**

WARNING LIGHT FLANGES

A silver flange shall be installed on the Whelen 900 series warning lights.

Does your bid comply with this requirement?

Yes ( )      No ( )

WARNING LIGHT FLANGES

A silver flange shall be installed on the Whelen 900 series warning lights.

Does your bid comply with this requirement?

Yes ( )      No ( )

A Whelen 90RR5FRR Red Super LED light shall be located XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

A Whelen 90RR5FRR Red Super LED light shall be located XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

A Whelen 90AA5FAR Amber Super LED light shall be located XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

A Whelen 90RA5FCR Red/Amber Super LED light shall be located XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

City of Long Beach Fire Department  
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A Whelen 70R02FRR Red Super LED light shall be installed XXXXX. The lens shall be Red and the LED lights shall be Red.

Does your bid comply with this requirement?

Yes ( )      No ( )

A Whelen 70R02FRR Red Super LED light shall be installed XXXXX. The lens shall be Red and the LED lights shall be Red.

Does your bid comply with this requirement?

Yes ( )      No ( )

A Whelen 70A02FAR Amber Super LED light shall be installed XXXXX. The lens shall be Amber and the LED lights shall be Amber.

Does your bid comply with this requirement?

Yes ( )      No ( )

A Whelen 70RC6FCR Red/Clear Super LED light shall be installed XXXXX. The lens shall be Clear and the LED lights shall be Red/Clear.

Does your bid comply with this requirement?

Yes ( )      No ( )

A Whelen 70RA6FCR Red/Amber Super LED light shall be installed XXXXX. The lens shall be Clear and the LED lights shall be Red/Amber.

Does your bid comply with this requirement?

Yes ( )      No ( )

A Whelen 70R02SRR Red Super LED light shall be installed XXXXX. The lens shall be Red and the LED lights shall be Red.

Does your bid comply with this requirement?

Yes ( )      No ( )

**City of Long Beach Fire Department**  
**2009 Dodge Type I Module Ambulance**

Whelen flanges shall be installed on XXXXX lights.

Does your bid comply with this requirement?

Yes ( )      No ( )

**CLEARANCE LIGHTS**

The primary manufacturer shall incorporate DOT marker lights at the highest point of the vehicle. The marker lights shall be visible 360 degrees. In addition, each corner marker light shall be recessed and visible 180 degrees. Also at each corner, the marker light lens cover shall be tilted upward on a 45 degree angle to be visible above the horizontal plane for 360 degrees. These measures will insure the vehicle will be visible in low light conditions with the headlights in the "on" position. Bolt on upper clearance lights or clearance lights within the support corner extrusions will not be acceptable. Amber lenses shall be installed on the front corners and Red lenses shall be installed on the rear corners. The light shall be LED and flash at high intensity when activated through a separate switch located on the cab console.

Does your bid comply with this requirement?

Yes ( )      No ( )

**MARKER LIGHTS**

Two Red LED marker lights shall be installed in the rear bumper. One shall be installed on the driver's side and one installed on the passenger side of the rear bumper pontoons.

Does your bid comply with this requirement?

Yes ( )      No ( )

**City of Long Beach Fire Department**  
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**EXTERIOR FLOOD LIGHTS**

Four Whelen 90E000ZB Clear lights shall be installed. Flood and loading lights shall not be less than seventy-five inches above the ground and shall not be obstructed by open doors. Two floodlights shall be located on each sides of the vehicle and be firmly fastened to the body surfaces below the roof line. The side flood lights shall be controlled from the cab console and be independently switched.

Does your bid comply with this requirement?

Yes ( )      No ( )

**ADDITIONAL FLOOD LIGHT**

An additional Whelen 90E000ZB Halogen flood light shall be installed XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

**EXTERIOR LOADING LIGHTS**

Two Whelen, 90E000ZB, halogen loading lights shall be provided above the rear doors and shall illuminate the area surrounding the back loading and unloading doors. Rear loading lights shall activate automatically when the rear doors are open regardless of the switch position in the cab console. The rear load lights shall be incorporated with the FMVSS backup lighting system.

Does your bid comply with this requirement?

Yes ( )      No ( )

**SCENE LIGHT ACTIVATION**

The curbside scene lights shall be activated when the curbside door is opened.

Does your bid comply with this requirement?

Yes ( )      No ( )

City of Long Beach Fire Department  
2009 Dodge Type I Module Ambulance

HALOGEN FLASHER

A Vanner 3869WC flasher shall be installed and provide a flash pattern to meet KKK-1822 C or D or E specification.

Does your bid comply with this requirement?

Yes ( )      No ( )

HEAD LIGHT FLASHER

A Sound -Off head light flasher shall be installed. It shall be DRL compatible and have a road runner flash pattern.

Does your bid comply with this requirement?

Yes ( )      No ( )

ELECTRICAL SCHEMATICS

One set of Electrical Schematics shall be shipped with the vehicle. In the case of a multiple vehicle contract only one set must be provided. The schematics must be "AS BUILT".

Does your bid comply with this requirement?

Yes ( )      No ( )

LICENSE TAG LIGHT

There shall be two license tag lights installed on either side of the rear license plate.

Does your bid comply with this requirement?

Yes ( )      No ( )

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### TAIL LIGHTS

Six Trucklite LED lights shall be installed in the rear kick plate. Two lights shall be red tail lights; two lights shall be clear back up lights; and two lights shall be amber turn/hazard lights. One of each of the above lights shall be installed on the passenger side and driver's side of the rear kick plate. A waterproof connection to the OEM tail light harness is required.

Does your bid comply with this requirement?

Yes ( )      No ( )

### MODULE HEADLINER

The module headliner shall be manufactured out of expanded PVC material. The liner shall be white and installed to allow flush mounting of the interior lighting.

Does your bid comply with this requirement?

Yes ( )      No ( )

### VEHICLE INTERIOR LIGHTING

The basic interior compartment shall be provided with seven overhead dual intensity LED lights. The lights shall be Whelen 80C0EECR. There shall be four lights located over the primary patient stretcher and three over the squad bench. These lights shall be mounted into the patient compartment head liner and shall not protrude into the patient compartment. The overhead shall have two levels of intensity, a high and low setting. The attendant shall be able to control the level of light via switches in the action area control panel. The dual lighting shall work together or may be separately selected from side to side. The four lights over the primary patient shall illuminate on the low setting when the side modular or rear modular doors are open. Certification shall be provided by an independent testing laboratory with this proposal.

Does your bid comply with this requirement?

Yes ( )      No ( )

City of Long Beach Fire Department  
2009 Dodge Type I Module Ambulance

STEP WELL LIGHT

A 2" LED step well light shall be provided in the step well area of the modular curb side door and shall be activated upon opening the curb side or rear modular doors.

Does your bid comply with this requirement?

Yes ( )      No ( )

ACTION AREA LIGHT

A twelve volt direct current incandescent light with integral switch shall be provided in the attendant action area. The light shall be a Xantech 105-500.

Does your bid comply with this requirement?

Yes ( )      No ( )

12VDC INTERIOR LIGHTING

A Litco 18 inch fluorescent light shall be located XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

**Light, Dome, Weldon 8086**

HANDHELD SPOTLIGHT

A hand held spotlight shall be provided with a minimum of four hundred thousand candle power lamp. The spotlight shall be a Blue Eye. It shall be in a corrosion proof housing with a protected momentary switch to prevent accidental activation. A minimum eight feet of heavy duty coiled cord will be supplied and it shall be hard wired in the cab area and accessible to the driver and passenger.

Does your bid comply with this requirement?

Yes ( )      No ( )



City of Long Beach Fire Department  
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Light, Streamlight, Vulcan LED 44450 w/charger

Light, Compt, LED, ILOS

DOOR AJAR LIGHT

A 2 inch Red LED light shall be installed in the cab console to alert the driver when a door is open.

Does your bid comply with this requirement?

Yes ( )      No ( )

TIMER

A 5 minute Timer shall be installed XXXXX. The timer shall be wired constant hot and shall power XXXXX and shall be activated by XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

CHECK OUT LIGHTS

A circuit will allow the timer to power the XXXXX bank of dome lights.

Does your bid comply with this requirement?

Yes ( )      No ( )

ELECTRICAL TROUBLESHOOTING LIGHT

A small light with a switch shall be installed in the circuit board area for troubleshooting. The light shall be wired battery hot.

Does your bid comply with this requirement?

Yes ( )      No ( )

City of Long Beach Fire Department  
2009 Dodge Type I Module Ambulance

CLOCK

A digital 24 hour clock shall be installed XXXXX.

Does your bid comply with this requirement?

Yes ( )      No ( )

SUCTION PUMP

A suction pump shall be installed that shall comply with Federal Specifications KKK-1822E.

Does your bid comply with this requirement?

Yes ( )      No ( )

ACOUSTIC AND CLIMATE INSULATION

The primary manufacturer shall supply an insulating material that is non flammable with a Class A, Class 1 fire rating. It shall be certified to meet the smoke and flammability requirements of FMVSS 302. The exposed walls of the exterior compartments and wheel wells that intrude into the interior of the modular shall be covered with reflective insulating material with a value of R-14. The side, front, rear, walls as well as the ceiling shall also be insulated with a reflective insulating material. The reflective insulation shall include a foil lining on each side with a double layer of bubbles sandwiched between.

Does your bid comply with this requirement?

Yes ( )      No ( )

ADDITIONAL GRAB HANDLES

Additional grab handles shall be installed XXXXX. The grab handles shall be 12 inches long and be 7/8 inch diameter stainless steel tube.

Does your bid comply with this requirement?

Yes ( )      No ( )

City of Long Beach Fire Department  
2009 Dodge Type I Module Ambulance

**Grab rail, Overhead, 59IN, Handicap Style, Yellow, IATS**

OVERHEAD GRAB RAIL

An overhead grab rail shall be installed in the patient compartment head liner. The grab rail shall be yellow powder coated stainless steel and handicapped style with rounded ends. The grab rail shall be a minimum of 117 inches long and shall be mounted in a recess in the liner.

Does your bid comply with this requirement?

Yes ( )      No ( )

ENTRY 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 inch diameter brushed stainless steel and handicapped style.

Does your bid comply with this requirement?

Yes ( )      No ( )

EXTERIOR GRAB HANDLE

A grab handle shall be installed XXXXX. The handle shall be 1 inch diameter grooved aluminum and 12 inches long.

Does your bid comply with this requirement?

Yes ( )      No ( )

**City of Long Beach Fire Department**  
**2009 Dodge Type I Module Ambulance**

**OXYGEN CYLINDER RACK**

The oxygen cylinder rack shall be constructed from steel tubing with a wall thickness of 0.125 inches and shall hold an "M" or an "H" tank. The rack shall be painted with a Zolotone paint and shall be located in compartment F.

Does your bid comply with this requirement?

Yes ( )      No ( )

**OXYGEN RETENTION STRAPS**

The oxygen cylinder rack shall include two stainless steel retention straps for securing an "M" oxygen cylinder. The compartment will be designed with a sweep out floor to facilitate loading and unloading.

Does your bid comply with this requirement?

Yes ( )      No ( )

**OXYGEN, MAIN SUPPLY AND INSTALLATION**

The ambulance shall have a hospital type piped oxygen system capable of storing and supplying three thousand liters of medical oxygen. The cylinder controls shall be accessible from inside the patient compartment. The pressure gauge shall be visible from either the attendant's seat or from the squad bench. The oxygen shall be piped to two self sealing Ohio adaptable oxygen outlets located in the action area and one located on the curbside wall at the head of the squad bench. The oxygen system will incorporate electrically conducted oxygen hose with a working pressure of one hundred and fifty pounds per square inch. All oxygen hose and outlets will use machine crimped brass ferrules and high pressure connectors. The entire oxygen delivery system will be pressured tested with a minimum of one hundred and fifty pounds per square inch of pressure of nitrogen gas for a period of four hours. The testing documentation will be delivered with the vehicle.

A vacuum outlet shall also be located in the action area to supply the vacuum to the suction container.

Does your bid comply with this requirement?

Yes ( )      No ( )

# City of Long Beach Fire Department

## 2009 Dodge Type I Module Ambulance

### SUCTION ASPIRATOR

The ambulance shall be equipped with an on board vacuum aspirator. The unit shall be mounted on the action area wall above the action area tray to collect any bio fluids that may be spilled. The unit shall be an SSCOR 22000 with a stainless steel container holder. The container shall be disposable and the regulator panel shall be located in the action area panel. The vacuum pump shall be installed via a twelve volt direct current system. The on/off switch shall be located in the attendant's console.

Does your bid comply with this requirement?

Yes ( )          No ( )

### SEAT, LITTER, RESTRAINT ANCHORAGE

Patient restraints shall be as specified in paragraph 3.11.8 of Federal Specification KKK - A - 1822E. Cot fasteners and safety bets shall be mounted in tapping plates. The cot fastener shall be a Stryker 6360-30-10.

Does your bid comply with this requirement?

Yes ( )          No ( )

### REAR COT SAFETY HOOK

The rear cot safety hook shall be installed on the floor of the patient compartment according to the cot manufacturer's instructions.

Does your bid comply with this requirement?

Yes ( )          No ( )

### IV HOLDERS FOR INTRAVENOUS FLUID CONTAINERS

Shall be as specified in paragraph 3.11.9 of Federal Specification KKK - A - 1822E. There shall be four Cast fold down style recessed IV holders. Two shall be located on the curbside at the head and foot of the cot, and two shall be located on the street side at the head and the foot of the cot.

Does your bid comply with this requirement?

Yes ( )          No ( )

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**IV HOLDERS, ADDITIONAL**

There shall be four Cast fold down style recessed IV holders. Two shall be located on the curbside at the head and foot of the cot, and two shall be located on the street side at the head and the foot of the cot.

Does your bid comply with this requirement?

Yes ( )                      No ( )

**CABINET KICK PLATE**

A brushed stainless steel kick plate shall be installed on the side of the squad bench and shall run the full length of the squad bench. The kick plate shall provide protection to the squad bench cabinet.

Does your bid comply with this requirement?

Yes ( )                      No ( )

**CABINET KICK PLATE**

A brushed stainless steel kick plate shall be installed on the lower portion of the street side wall cabinet and shall run the full length of the wall cabinet. The kick plate shall provide protection to the cabinet.

Does your bid comply with this requirement?

Yes ( )                      No ( )

**TURNOUT HOOKS**

A hook for turnout gear shall be installed XXXXX. It shall be a Ferno Washington #559.

Does your bid comply with this requirement?

Yes ( )                      No ( )

**Bracket, Zico, KD-UH-6-SF**

**Bracket, SCBA Pack, SC-50-H-6-Sf**

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SQUAD SAVER BAR

There shall be a fold down squad saver bar at the head of the squad bench. The bar shall be made of steel and covered in padded upholstery.

Does your bid comply with this requirement?

Yes ( )                      No ( )

OXYGEN WRENCH

An oxygen wrench shall be located in the oxygen compartment. The wrench shall be tethered so that it will not become lost.

Does your bid comply with this requirement?

Yes ( )                      No ( )

COMPARTMENT FLOOR AND SHELF COVERING

All compartment floors and shelves shall have a Red Dri-Deck installed.

Does your bid comply with this requirement?

Yes ( )                      No ( )

CYLINDER HOLDER

A dual wall cylinder holder shall be located XXXXX. It shall be a Cast model 520.

Does your bid comply with this requirement?

Yes ( )                      No ( )

**MODULE INTERIOR**

INTERIOR SURFACES

All vertical edges of cabinets shall be of an aluminum extrusion with a 3/4 inch radius designed to free the interior of the patient's compartment of all sharp edges or projections. The face and inside of the cabinets shall be covered by a commercial grade

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laminated and adhered to the cabinet face by a high quality poly vinyl adhesive using a thermal press application. The wood, adhesive and laminate shall be pressed together at 200 degrees for four minutes in a thermal platen press. There shall be no voids of the adhesive between the laminate and the cabinet surfaces.

Does your bid comply with this requirement?

Yes ( )

No ( )

### CABINET CONSTRUCTION

The interior cabinets, squad bench assembly, shelves and doors shall be constructed of marine grade plywood; due to the product's ability to be customized to fulfill the needs of this agency, the additional acoustical and thermal insulation properties, repair ability, and the safety factor of not producing sharp fragments or shards in the event of a serious collision. The thickness of the finished panels used to construct the cabinets, shelves and doors shall be 3/4 inches including mica, adhesive, and glue. Any construction material that provides anything less than 3/4 inch panels in cabinet construction is not acceptable to this agency. **NO EXCEPTIONS.**

The squad bench 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 patient compartment wall panel (behind the squad bench) and the cab compartment wall panel shall be constructed of 1/4 inch plywood and covered with color coordinating high pressure laminate.

The cabinets shall be constructed using 8 mm dowels placed no farther than 32 mm apart. The dowels shall be a hardwood and pre-glued.

The doors on the upper cabinets shall be surface mounted with European hinges and 3mm edge banding. The doors on the center and lower cabinets shall be flush mounted using continuous stainless steel piano hinge and a 3 mm edge banding. All doors and cabinet openings shall be covered with a 3 mm edge banding with radius edges.

Does your bid comply with this requirement?

Yes ( )

No ( )

### INTERIOR STOWAGE ACCOMMODATIONS

The interior of the patient compartment shall provide but not be limited to a minimum volume of thirty cubic feet of enclosed cabinets. Interior cabinet, shelf and compartment space shall be conveniently located for medical supplies, devices or other equipment.



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All interior cabinets shall be fully lined inside with high-pressure plastic laminate. The equipment and supplies necessary for airway management shall be within easy reach of the medic at the head of the stretcher. Interior cabinet dimensions are as described.

Does your bid comply with this requirement?

Yes ( )                  No ( )

**INTERIOR SURFACES**

The cabinets shall be white gloss in color.

Does your bid comply with this requirement?

Yes ( )                  No ( )

**FLOOR**

A top floor of seven ply three quarter inch marine grade plywood, sanded both sides with no voids, and shall be installed over the moisture barrier. The plywood shall be marine resin coated prior to installation to prevent warping due to ambient moisture absorption. The plywood floor shall be one piece from the bulkhead to the rear doors between the patient door steeple and squad bench and extend under the street side cabinets. The plywood floor shall be securely anchored to the floor sub structure with one quarter inch UNF machine by two and one half inch screws.

Does your bid comply with this requirement?

Yes ( )                  No ( )

**FLOOR COVERINGS**

The patient compartment floor covering shall be a heavy duty material that is impervious to fluids. The flooring shall be glued to the plywood floor using an adhesive compound. The flooring shall be Lonplate II and the color Gunpowder Gray #424. There shall be no adhesive voids between the flooring and the plywood. The floor shall be designed to roll up the side of the street side and bulk head cabinets and squad bench.

Does your bid comply with this requirement?

Yes ( )                  No ( )

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### ATTENDANT SEATING

Seating for the attendant shall consist of a contoured high back padded bucket seat. The seat covering shall be an easy clean vinyl material and be impervious to blood borne pathogens and other contaminants. Therefore, cloth seats or seats with welting seams or visible stitching will not be accepted. The vinyl shall be Gunmetal. Seating must meet OSHA regulation 1910.1030. The seat belt must be certified to KKK - A1822 - E specification and to FMVSS and shall be an integrated three-point harness. An integrated child safety seat shall be incorporated in the seat. Installation shall comply with FMVSS. The seat shall be mounted on a metal box base.

Does your bid comply with this requirement?

Yes ( )

No ( )

### ATTENDANT SEAT BASE DOOR

A diamond plate door shall be installed on the EVS seat base. It shall be hinged on the bottom.

Does your bid comply with this requirement?

Yes ( )

No ( )

### UPHOLSTERY

The finish of the entire patient's compartment, including storage cabinets and equipment, shall be impervious to soap and water, disinfectants, bio fluids, mildew and shall be fire resistant per FMVSS 302. Upholstered cushions shall be a minimum of thirty two ounce nylon reinforced commercial vinyl material. Squad bench cushions and attendant seat and backrest cushions shall be fabricated in such a manner to eliminate exposed welting. Cushions with welting or beaded seams shall not be accepted due to the risk of bio fluid penetration. Describe below your method of cushion construction. The color of the upholstery shall be Gunmetal Gray.

Does your bid comply with this requirement?

Yes ( )

No ( )

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**INTERIOR OXYGEN VIEWING DOOR**

A Lexan door shall be installed on the oxygen viewing opening.

Does your bid comply with this requirement?

Yes ( )

No ( )

**RIGHT FRONT CABINET**

The right front cabinet shall house the Heating and Air Conditioning unit. The intake vent shall be located in the lower left corner of the cabinet. The air shall blow out of a vent lo-cited in the upper portion of the cabinet. Cabinet E1 shall be the upper portion of the cabinet with dimensions 28.25 inches high and 33.25 inches wide and 22.25 inches deep. The lower E2 cabinet shall be located next to the intake vent and shall be 26.75 inches high and 20.5 inches wide and 22.5 inches deep. Both E1 and E2 shall allow access from exterior compartment A.

Does your bid comply with this requirement?

Yes ( )

No ( )

**RIGHT FRONT CABINET DOORS**

The right front cabinet shall have two wood doors. The door for the upper cabinet E-1 shall be a dual wood door, and the door for the lower cabinet E-2 shall be hinged on the left. The doors shall be manufactured from 3/4 inch marine grade plywood and be cover-end in color coordinated high pressure laminate. The doors shall be mounted flush with the cabinet opening.

Does your bid comply with this requirement?

Yes ( )

No ( )

**CABINET HANDLE**

A "C" pull handle shall be installed on each door on the right front cabinet.

Does your bid comply with this requirement?

Yes ( )

No ( )

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CABINET LATCH

A plunger roller latch shall be installed on the right front cabinet doors to keep them secure during transit.

Does your bid comply with this requirement?

Yes ( )                      No ( )

**Latch,Lever,No Key,For EVS Door only**

CABINET LATCH

A lever latch shall be installed XXXXX.

Does your bid comply with this requirement?

Yes ( )                      No ( )

CABINET LATCH

A lever latch with a lock shall be installed XXXXX.

Does your bid comply with this requirement?

Yes ( )                      No ( )

SQUAD BENCH CABINET

The squad bench cabinet shall be located on the curb side of the patient compartment over the rear wheel well. The squad bench shall be a minimum of 72 inches long and be constructed of three quarter inch birch. The lid shall be attached to the squad bench assembly via a stainless steel piano hinge the entire length of the bench. The hinge shall attach with fasteners in a vertical position through the face of the lid and not through the edge of the cabinet and lid. The squad bench shall be equipped with a locking device to automatically secure the lid upon closing. The squad bench shall be furnished with three sets of lap safety belts for seated occupants and for the retention of a cot when positioned on the squad bench. The anchorages for the side facing seat belt assembly shall withstand a minimum of 2,500 pounds force when tested in accordance with FMVSS 210-S5.1. A full length cushion shall be installed on the

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squad bench lid and on the wall as a back rest. The interior of the squad bench shall provide storage. At the head of the squad bench shall be a built in trash disposal area. A trash can shall be accessible under a red flip up lid, and sharps container's circular opening shall be accessible through a round cutout in the squad bench lid. Both the trash can and the sharps container may be removed from the squad bench by lifting up a sectioned portion of the squad bench lid.

Does your bid comply with this requirement?

Yes ( )

No ( )

**Biowaste door, Aluminum Diamond plate ILOS**

**SQUAD BENCH LID**

The squad bench shall have a full length lid that shall be manufactured from three quarter inch birch. The lid shall be split into two fifty percent sections to allow access to each end of the squad bench separately. The lids shall be covered in color coordinating high pressure laminate.

Does your bid comply with this requirement?

Yes ( )

No ( )

**SQUAD BENCH LATCH**

The squad bench lid shall be secured with a paddle handle that latches automatically when the squad bench lid is closed. The latch shall hold the lid secure during transit and shall not open unless the handle is lifted.

Does your bid comply with requirement?

Yes ( )

No ( )

**SQUAD BENCH HARDWARE**

Two chrome handles shall be installed on the squad bench lid.

Does your bid comply with this requirement?

Yes ( )

No ( )

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SQUAD BENCH HOLD OPEN

When the squad bench lid is lifted, it shall be held in place by a 30 pound pneumatic hold open.

Does your bid comply with requirement?

Yes ( )

No ( )

CURBSIDE SPLINT CABINET

A cabinet shall be located above the squad bench near the headliner. The cabinet shall be 4 inches deep, 12 inches high and run the length from the curbside door to the rear wall cabinet. The cabinet shall be separated into two equal cabinets with clear sliding Lexan.

Does your bid comply with this requirement?

Yes ( )

No ( )

STREETSIDE REAR MIDDLE CABINET

Cabinet "H" shall be located on the street side of the patient compartment. It shall be the rear most middle cabinet and shall be 20.75 inches high, 31.75 inches wide and 19.5 inches deep.

Does your bid comply with this requirement?

Yes ( )

No ( )

STREETSIDE MIDDLE LOWER CABINET

Cabinet "O" shall be located on the street side of the patient compartment. It shall be the middle lower cabinet just below cabinet "M" and shall be 15.0 inches high, 22.0 inches wide, and 19.5 inches deep.

Does your bid comply with this requirement?

Yes ( )

No ( )

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CPR SIDE SEAT

A CPR side seat shall be located just above the rear street side wheel well. Seamless upholstered cushions shall be located on the bottom and rear wall of the seat area. Cushions shall also be located above the head area for safety.

Does your bid comply with this requirement?

Yes ( )

No ( )

CPR SEAT STORAGE

A small storage area shall be located under the CPR seat and just above the wheel well. The storage shall be accessed by lifting a lid which holds the bottom seat cushion.

Does your bid comply with this requirement?

Yes ( )

No ( )

STREETSIDE REAR UPPER CABINET

Cabinet "J" shall be located on the street side of the patient compartment. It shall be the rear upper cabinet and shall be 18.5 inches high, 20.25 inches wide and 19.5 inches deep.

Does your bid comply with this requirement?

Yes ( )

No ( )

STREETSIDE REAR UPPER CABINET

Cabinet "K" shall be located on the street side of the patient compartment. It shall be the rear upper cabinet just above cabinet "M" and shall be 18 inches high, 23.5 inches wide, and 19.5 inches deep.

Does your bid comply with this requirement?

Yes ( )

No ( )

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### STREETSIDE FORWARD UPPER CABINET

Cabinet "L" shall be located on the street side of the patient compartment. It shall be the forward upper cabinet just above the action area. The cabinet shall be divided into two separate cabinets "L1" and "L2". Cabinets "L1" and "L2" shall be equal in size 18 inches high, 25 3/4 inches wide and 17 3/4 inches deep.

Does your bid comply with this requirement?

Yes ( )

No ( )

### STORAGE COMPARTMENTS AND CABINET DESIGN

All storage cabinets shall be easily opened but shall not come open during transit. The cabinets shall be accessible through a variety of door options.

When specified to be Lexan, the doors shall be reciprocating horizontal sliding Lexan doors. The door shall be transparent to permit viewing of supplies and the door shall open with a grab anywhere device. The handle shall run the full vertical length of the Lexan. The Lexan shall be three sixteenths of an inch in thickness and shall be enclosed in an extruded aluminum frame. The frame shall cover the entire perimeter of the cabinet opening and the Lexan set within the frame on a track lined with a material to prevent the Lexan from sliding open and shut during transport.

Does your bid comply with this requirement?

Yes ( )

No ( )

### CABINET "H" DOOR

The door to cabinet "H" shall be a Lexan slider. The Lexan shall be gray.

Does your bid comply with this requirement?

Yes ( )

No ( )



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CABINET "O" DOOR

The door to cabinet "O" shall be a Lexan slider. The Lexan shall be gray.

Does your bid comply with this requirement?

Yes ( )

No ( )

ACTION AREA CABINET

The action area shall provide for easy access to switches located in the action from the attendant seat, squad bench and CPR seat, if applicable. The switches shall be located in an angled cabinet on the back wall of the action area.

Does your bid comply with this requirement?

Yes ( )

No ( )

TELEMETRY TRAY

The top of the telemetry cabinet shall provide a clean work area. The countertop shall be one piece with a one inch lip around the tray. The tray shall be manufactured from molded polyester resin to provide a seamless countertop. The tray shall be topped with a durable top coat of gray gel coat. **NO EXCEPTIONS.**

Does your bid comply with this requirement?

Yes ( )

No ( )

ACTION AREA TRAY

The top of the action area cabinet shall provide a clean work area. The countertop shall be one piece with a one inch lip around the tray. The tray shall be manufactured from molded polyester resin to provide a seamless countertop. **NO EXCEPTIONS.** This tray is mandatory to facilitate cleaning and contain any fluids or bio.

Does your bid comply with this requirement?

Yes ( )

No ( )

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INVENTORY CONTROL

A small hole shall be located in both pieces of Lexan in each cabinet to allow for security tabs to be utilized.

Does your bid comply with this requirement?

Yes ( )

No ( )

CABINET "J" DOOR

The door to cabinet "J" shall be a Lexan slider. The Lexan shall be gray.

Does your bid comply with this requirement?

Yes ( )

No ( )

CABINET "K" DOOR

The door to cabinet "K" shall be a Lexan slider. The Lexan shall be gray.

Does your bid comply with this requirement?

Yes ( )

No ( )

CABINET "L1" DOOR

The door to cabinet "L1" shall be a solid wood door hinged on the right.

Does your bid comply with this requirement?

Yes ( )

No ( )

CABINET "L2" DOOR

The door to cabinet "L2" shall be a Lexan slider. The Lexan shall be clear.

Does your bid comply with this requirement?

Yes ( )

No ( )

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STANDARD MANDATORY MISCELLANEOUS EQUIPMENT

Unless otherwise precluded elsewhere in this specification the vehicle shall be equipped with the following:

\*One five pound fire extinguisher that is ABC dry chemical multipurpose with a quick release bracket.

\*No smoking oxygen equipment signs conspicuously place in the cab and patient compartment.

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

In addition, the following items shall be shipped loose in the vehicle:

SPARE TIRE MOUNTING

The spare tire mounting brackets shall be shipped loose in the vehicle.

Does your bid comply with this requirement?

Yes ( )

No ( )

Manual, Owners, Additional

The following EMS items shall be shipped with the vehicle:

**Tactical Vest, Safari-land Body Armor, Level III-A**

**Bolt Cutter, HK Porter 24"**

**Rotary Saw, Husqvarna model K-960**

**Cot, Stryker, PowerPro XT, #6500**

**Evav-U-Splint, Hartwell, Medium**

**FLOWMETER,0-15LPM,W/OHIO ADAPT**

One (1) FLOWMETER,0-15LPM,W/OHIO ADAPTER

**Fasplint, Hartwell, 9000 w/case & plastic pump**

**REGULATOR, BRASS, LSP270-250**

One (1) REGULATOR,BRASS,LSP270-250

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**REGULATOR, LARGE CYLINDER, PRESET 50PSI**

One (1) REGULATOR,LGE CYL,PRESET 50PSI

**Stairchair, Stryker 6252**

One (1) STAIR CHAIR,STRYKER #6252

(2) piece ABS panel seat (6250-021-000)

Locking Rear Lift Handles (6250-031-000)

Polypropylene Restraint Set (Plastic buckles) 6250-160-000

Removable Head Support (6252-040-000)

**SUCTION, PORTABLE, LAERDAL 780020**

One (1) SUCTION,PORTABLE, LAERDAL 780020

**Star Scan Mobile maintenance kit**

**Soft case with shoulder strap for Laerdal suction**

QUALITY ASSURANCE PROVISIONS

Defective components shall not be furnished. Parts, equipment, and assemblies, which have been repaired or modified to overcome deficiencies, shall not be furnished without the written approval of the purchaser. Construction methods utilized shall be in accordance with industry standards. Component parts and units shall be manufactured to definite standard dimensions with proper fits, clearances and uniformity. The general appearance of the vehicle shall not show any evidence of poor workmanship.

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.

The bidder shall be responsible for the performance and test requirements required herein. This agency reserves the right to perform any of the inspections and tests set forth in these specifications where such inspections are deemed necessary to assure conformation of specification. The primary manufacturer shall conform to this agency's representatives with instruments and all such assistance as may be required.

Does your bid comply with this requirement?

Yes ( )

No ( )

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## 2009 Dodge Type I Module Ambulance

The primary manufacturer shall be ISO 9001:2000 certified.

Does your bid comply?

Yes ( )

No ( )

### TESTS

The primary manufacturer is obligated to prove that the vehicle, ambulance components and equipment provided meet the requirements of this specification and are compliant to Federal Ambulance Specification KKK - A - 1822E and any amendments in effect at the time of this bid. Copies shall be provided with this of the test documents and a letter from an independent testing laboratory that has performed the tests certifying that the following tests have been conducted and passed. Test documents or any source other than described above shall not be accepted. Failure to comply with the requirement shall be considered as non-responsive and will not be accepted. The certified tests are as follows and conform to the requirements of this specification and Federal Ambulance Specification KKK - A - 1822E.

- A. Vehicle Physical Dimensions (3.4.11 through 3.4.11.6)
- B. Patient Compartment Interior Dimensions (3.10.4)
- C. Step well, Bumpers and Facilitation (3.11 through 3.10.11, 3.10.3 through 3.10.16 and 3.9.9)
- D. Storage Compartment and Facilitation (3.11 through 3.11.2.1, 3.11.4 and 3.11.6)
- E. Ambulance Body and Patient Area (3.10.1 through 3.10.3, 3.10.6 through 3.10.8, 3.10.20 through 3.10.11, 3.10.3 through 3.10.16 and 3.9.9)
- F. Vehicle Weight Distribution (4.4.3 and 3.5 through 3.5.6 and 3.19)
- G. Water Spray Test (4.4.5)
- H. 115 VAC Utility Power (3.7.8 through 3.7.8.3)
- I. Electrical System Components (3.7.8 through 3.7.8.3, 3.7 through 3.7.5, 3.7.7 through 3.7.7.4, 3.7.9 through 3.7.11, 3.8.1, 3.8.4 and 3.8.50)
- J. Patient compartment Illumination (3.8.5.1)
- K. Electrical Generating System (3.7.6 through 3.7.6.3 and AMD 005)

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- L. Warning Lights and Siren System (3.8.2 through 3.8.4 and 3.14.6)
- M. Door Latches, Hinges and Hardware (3.10.9)
- N. Static Load Test (3.10.5 and AMD 001)
- O. Patient Compartment Interior Surfaces (3.10.17 and FMVSS 302)
- P. Oxygen System Test (4.4.6, 3.12.1 and 3.12.1.1)
- Q. Oxygen Cylinder Restraint Test (3.11.3 and AMD 003)
- R. Litter Fastener and Anchorage (3.11.7 and AMD 003)
- S. Suction Aspirator System (3.12.3 and 3.12.4)
- T. Heating Criteria (3.4.2, 3.7.9 through 3.7.11, 3.6.3.2, 3.13.1 through 3.13.7)
- U. Air Conditioning Criteria (3.4.2, 3.7.9 through 3.7.11, 3.6.3.2, 3.13.7, 3.6.4.5.1 through 3.6.4.5.1)
- V. Ventilation Criteria (3.13.6)
- W. Patient Compartment Sound Level (3.13.8 and AMD 006)
- X. Patient Color and Markings (3.16 through 3.16.2 and 3.16.4)
- Y. Manuals and Handbooks (3.20 and 6.8)
- Z. Seat Belt Test (3.11.6)
- AA. Electromagnetic Radiation and Suppression (3.7.12)
- BB. Standard Miscellaneous Equipment (3.15.2)
- CC. Miscellaneous Equipment (3.7.5 and 3.9.5)

Does your bid comply with this requirement?

Yes ( )

No ( )

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### EXCEPTIONS

Exceptions shall be submitted as set forth in section A1.1.2 of this document. This agency will accept proposals from any business entity proclaiming to manufacturer vehicle(s) to conform to this specification. Further, this agency will not deny the right of any manufacturer to present their product. However, it should be noted, that any primary manufacturer that does not take exceptions shall produce the vehicle exactly as described. Failure to produce said vehicle may be grounds for this agency to pursue a resolution of damages through civil and criminal court.

Does your bid comply with this requirement?

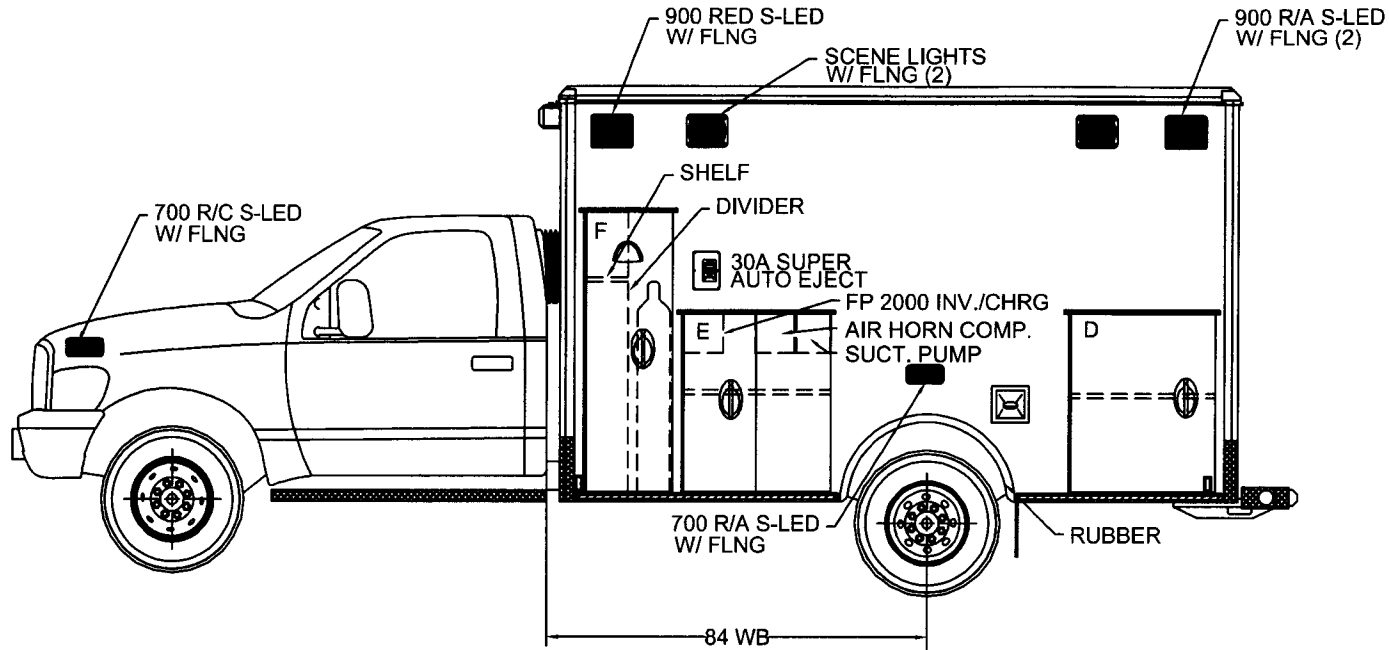
Yes ( )

No ( )

CA090673

CITY OF LONG BEACH

153 x 95 x 70



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
D	38.75	31.75	18.50								
E	38.75	32.00	18.50								
F	59.00	20.00	18.50								



DODGE 4500  
LEFT EXTERIOR

45" AISLE WIDTH  
FOR REFERENCE ONLY

DUE TO ONGOING MODIFICATIONS, SPECIFICATIONS  
CAN CHANGE WITHOUT NOTICE.

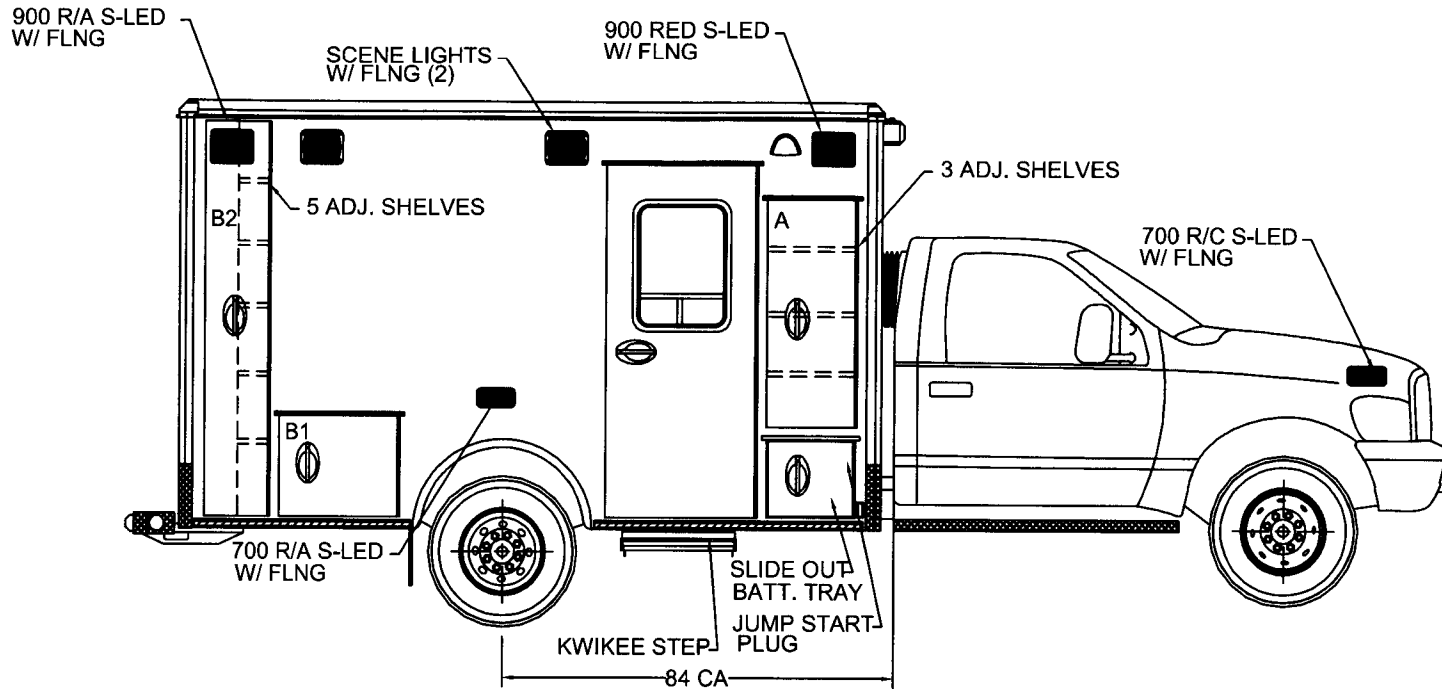
DATE: 07/15/09 SCALE:  
DRAWN BY: LJG DWG NO: CA090673  
153 x 95 x 70



CA090674

CITY OF LONG BEACH

153 x 95 x 70



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				46.00	17.25						
B1	22.25	24.00	18.50								
B2	82.75	15.25	18.50								



DODGE 4500  
RIGHT EXTERIOR

DATE: 07/15/09 SCALE:  
DRAWN BY: LJG DWG NO: CA090674

FOR REFERENCE ONLY

45" AISLE SPACE

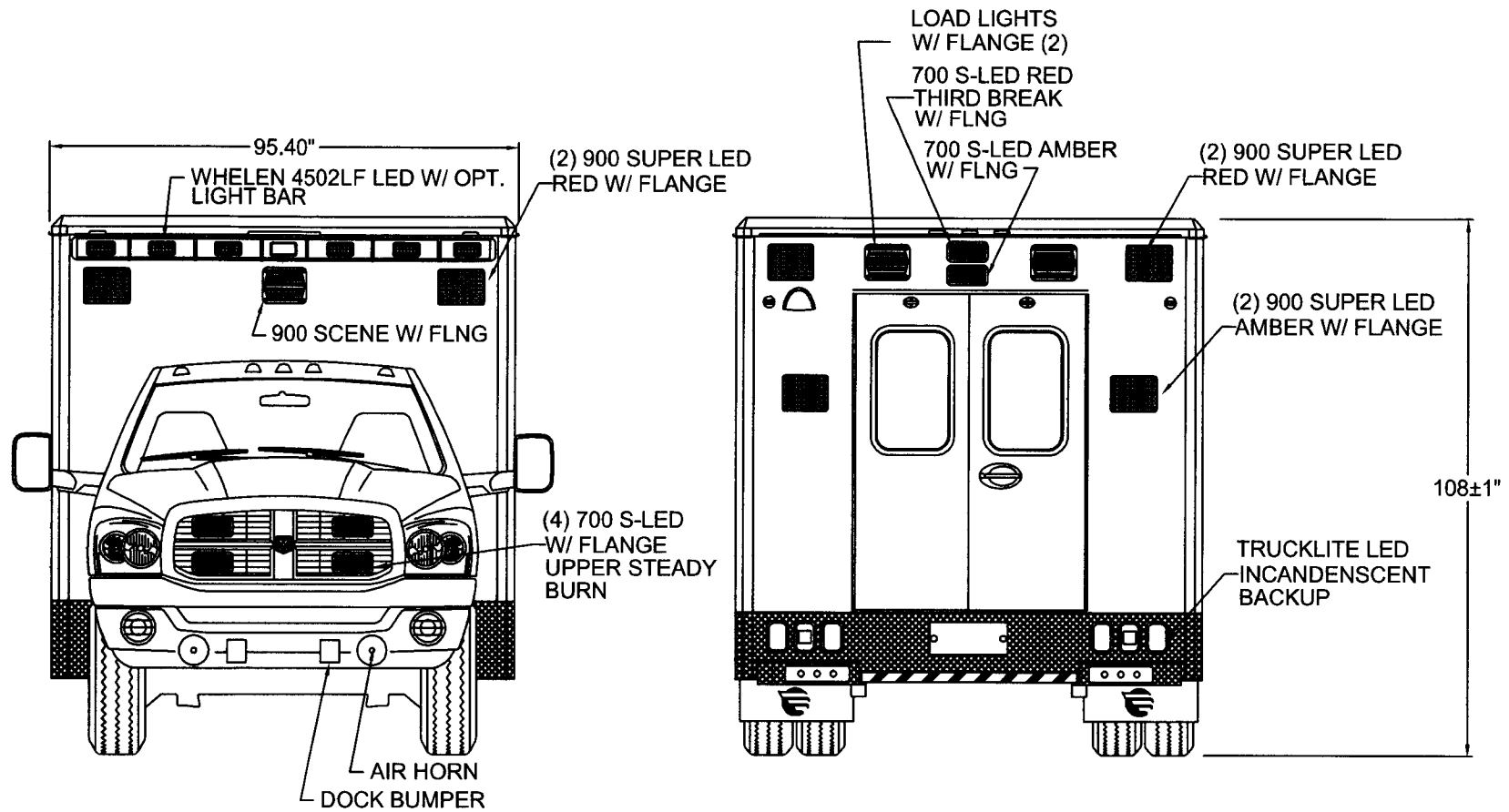
DUE TO ONGOING MODIFICATIONS, SPECIFICATIONS CAN CHANGE WITHOUT NOTICE.

153 x 95 x 70

CA090672

CITY OF LONG BEACH

153 x 95 x 70



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



2008 DODGE 4500  
FRONT / REAR  
EXTERIOR VIEWS  
DURASEAM DOOR SYSTEM

DATE: 07/15/09  
DRAWN BY: LJG  
DWG NO: CA090672

FOR REFERENCE ONLY

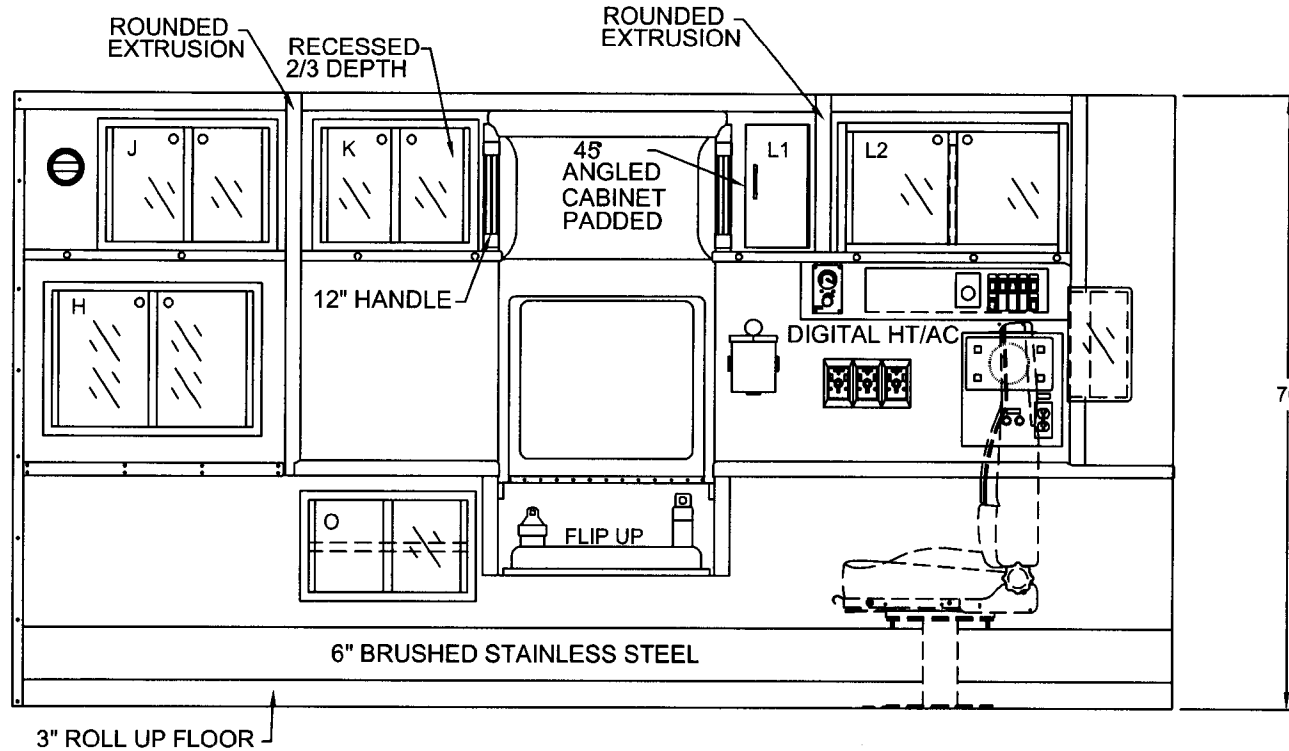
DUE TO ONGOING MODIFICATIONS, SPECIFICATIONS CAN CHANGE WITHOUT NOTICE.

153 x 95 x 70

CA090676

CITY OF LONG BEACH

153 x 95 x 70



INTERIOR CABINET DIMENSIONS IN INCHES

CABINET	HEIGHT	WIDTH	DEPTH	CABINET	HEIGHT	WIDTH	DEPTH
H	20.75	33.00	19.50				
J	18.25	24.00	19.50				
K	18.25	18.75	12.00	O	15.00	22.25	19.50
L1	18.25	10.00	10.00				
L2	18.25	25.25	10.00				



DODGE 4500  
LEFT INTERIOR

45" AISLE SPACE  
FOR REFERENCE ONLY

DATE 07/15/09

SCALE CA090676

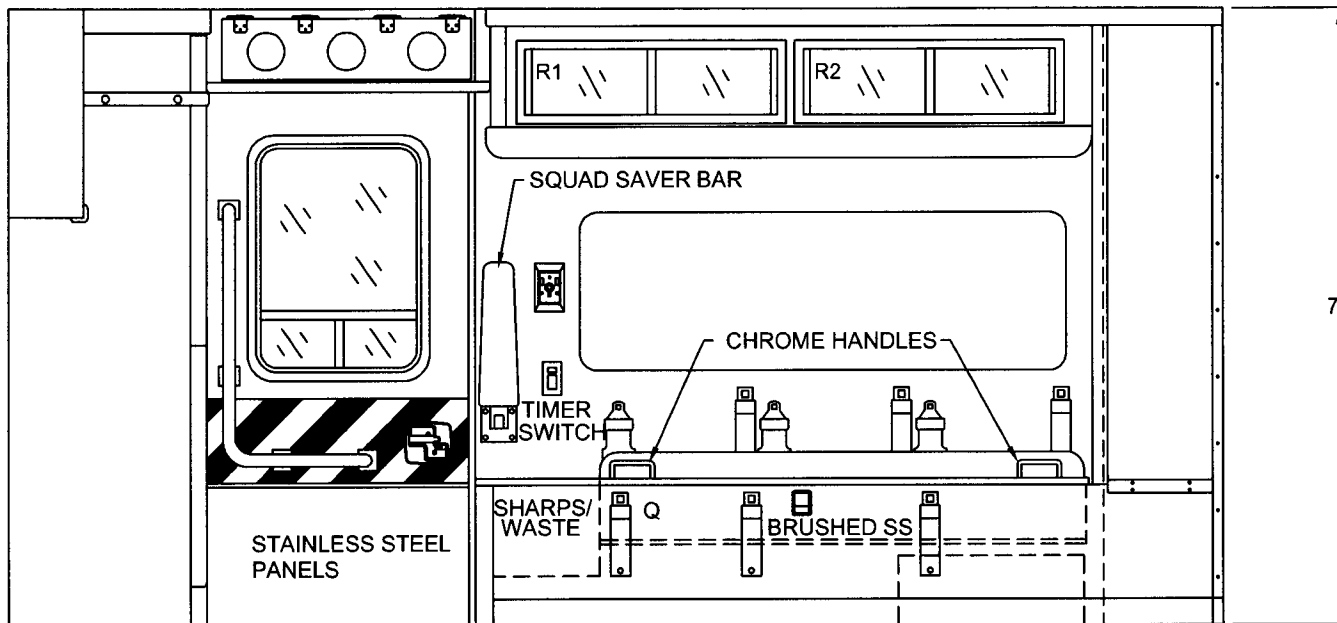
DRAWN BY L.J.G.

DWG NO 153 x 95 x 70

CA090677

CITY OF LONG BEACH

153 x 95 x 70



INTERIOR CABINET DIMENSIONS IN INCHES

CABINET	HEIGHT	WIDTH	DEPTH	CABINET	HEIGHT	WIDTH	DEPTH
R1/R2	11.25	30.00	4.00				
Q	7.25	59.75	19.00				



DODGE 4500  
RIGHT INTERIOR

DATE 07/15/09 SCALE CA090677  
DRAWN BY LYG DWG NO 153 x 95 x 70

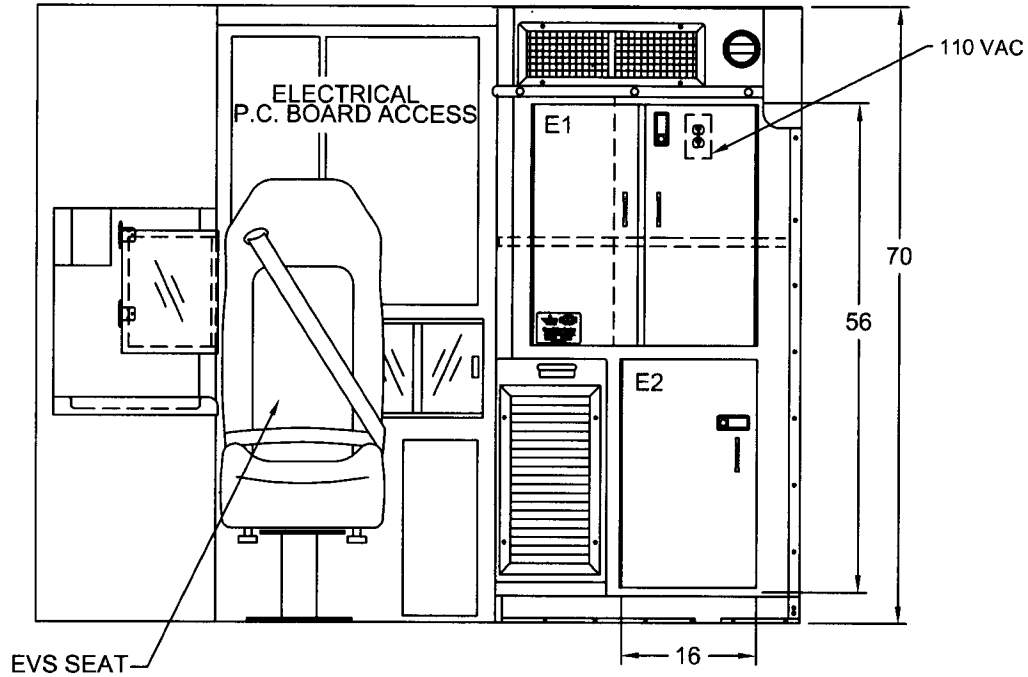
45" AISLE SPACE

FOR REFERENCE ONLY

CA090675

CITY OF LONG BEACH

153 x 95 x 70



INTERIOR CABINET DIMENSIONS IN INCHES

CABINET	HEIGHT	WIDTH	DEPTH	CABINET	HEIGHT	WIDTH	DEPTH
E1	27.25	33.50	21.25				
E2	26.75	20.50	21.25				



DODGE 4500  
BULKHEAD INTERIOR  
PASS THRU  
2001 PAF RIGHT FRT CABINET

DATE 07/15/09

SCALE CA090675

DRAWN BY LJJ

DWG NO 153 x 95 x 70

45" AISLE SPACE  
FOR REFERENCE ONLY

**Mark Verbeck**

---

**From:** Erin Grinstead  
**Sent:** Thursday, July 16, 2009 4:18 PM  
**To:** Travis Grinstead  
**Cc:** Jerry Grinstead Jr; grinsteadsr@aol.com; Mark Verbeck  
**Subject:** FW: SBE Certification



## **CITY OF LONG BEACH**

**Department of Financial Management  
Business Relations Bureau**

---

333 West Ocean Blvd., 7th Floor, Long Beach, CA 90802 (562) 570-6200 Fax (562) 499-1014 sbe@longbeach.gov

**Certified Small Business Enterprise**

**Date:** 07/16/2009

**Vendor Account Number:** 2693  
TRAVIS GRINSTEAD  
Emergency Vehicle Group, Inc.  
2883 E. Coronado St.  
Anaheim, CA, 92806

Thank you for submitting your Vendor Application seeking Small Business Enterprise recognition. Per our evaluation of the information you provided in your application and the North American Industry Classification System codes you identified, your status as a Small Business Enterprise (SBE) has been approved. This certification is recognized by the following organizations:

***City of Long Beach***

City of Long Beach is pleased to issue this SBE Certificate subject to the terms and conditions identified below:

<p><b>NAICS code(s) for which SBE status is recognized:</b> <b>441229,336211,441110,336322,441120</b> <b>SBE Certificate Effective Date: 07/16/09</b> <b>SBE Certificate Expiration Date: 07/16/12</b></p>
--

Work Performed by your firm that falls within the above-mentioned NAICS code(s) will be counted as SBE participation for work performed on contracts procured by the above agencies.

7/21/2009

The agencies reserve the right to withdraw this certification if at any time it is determined that certification was knowingly obtained by false, misleading or incorrect information and reserve the right to audit all statements. If any firm attempts to falsify or misrepresent information to obtain certification, the firm may be disqualified from participation in any contracts for a period of up to five years.

**SBE Certification is valid for a period of three (3) years. To maintain SBE status, firms must update their existing SBE Vendor Application on or before the expiration date mentioned above. All information is subject to verification.**

If there are any changes in your status that may impact your certification, you are required to update your account information online. A copy of your information can be viewed by logging into [www.planetbids.com/LongBeach/VendorProfile.cfm](http://www.planetbids.com/LongBeach/VendorProfile.cfm), and selecting the link to the "Small Business Certification Status".

Sincerely,  
Erik Sund  
Business Relations Bureau Manager

---

**From:** Lena Mihranian [mailto:LenaM@mail.planetbids.com]  
**Sent:** Thu 7/16/2009 3:48 PM  
**To:** Erin Grinstead  
**Subject:** SBE Certification

Dear Emergency Vehicle Group, Inc.:

Your SBE Certification has been Approved. Please visit <http://www.planetbids.com/LongBeach/vendorprofile.cfm> to login and then choose Retrieve My Approval Letter link to obtain your approval letter.

Sincerely,  
Erik Sund  
City of Long Beach  
Business Relations Bureau Manager

7/21/2009

## California Certification Report

**46783 - EMERGENCY VEHICLE GROUP, INC. - SB**

Legal Business Name	EMERGENCY VEHICLE GROUP, INC.		
Doing Business As	EMERGENCY VEHICLE GROUP, INC.		
Address	4544 E. EISENHOWER CIR.	Phone	(714) 779-9720
	ANAHEIM, CA 92807	FAX	(714) 779-9721
Email	egrinstead@evginc.net		
Web Page	<a href="http://www.evginc.net">http://www.evginc.net</a>		
Active Certifications	SB Jul 23, 2008 - Jul 31, 2009		
Business Types	Service; Non-Manufacturer;		
Classifications	[423110] Automobile and Other Motor Vehicle Merchant Wholesalers		
Keywords	EMERGENCY VEHICLE DEALER OF FIRE AND AMBULANCE APPARATUS, PARTS SALES, SERVICE WORK.		



**Certified Small Business Enterprise**

5/17/2007

Account #: ~~27170~~ 46783  
Mrs. Erin Grinstead  
Emergency Vehicle Group, inc.  
4544 E. Eisenhower Circle  
Anaheim, CA 92807

Thank you for submitting your Vendor Application seeking Small Business Enterprise recognition with a *Coalition of Southern California Public Agencies*. Per our evaluation of the information you provided in your application and the North American Industry Classification System codes you identified, your status as a Small Business Enterprise (SBE) has been approved. This certification is recognized by the following organizations:

<i>Metropolitan Water District</i>	<i>City of San Diego</i>	<i>San Diego County Water Authority</i>
<i>Minority Business Devel. Agency</i>	<i>Port of Long Beach</i>	<i>Los Angeles Unified School District</i>
<i>Los Angeles Community College Dist.</i>		

Metropolitan is pleased to issue this SBE Certificate subject to the terms and conditions identified below:

**NAICS code(s) for which SBE status is recognized: 336211**

**SBE Certificate Effective Date: 5/17/2007**

**SBE Certificate Expiration Date: 5/17/2010**

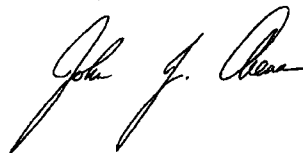
Work performed by your firm that falls within the above-mentioned NAICS code(s) will be counted as SBE participation for work performed on contracts procured by the above agencies.

The agencies reserve the right to withdraw this certification if at any time it is determined that certification was knowingly obtained by false, misleading or incorrect information and reserve the right to audit all statements. If any firm attempts to falsify or misrepresent information to obtain certification, the firm may be disqualified from participation in any contracts for a period of up to five years.

**SBE Certification is valid for a period of three (3) years. To maintain SBE status, firms must update their existing SBE Vendor Application on or before the expiration date mentioned above. All information is subject to verification.**

If there are any changes in your status that may impact your certification, you are required to update your account information online. A copy of your information can be viewed by logging into your main menu and selecting the link to the "Small Business Certification Form".

Sincerely,



John J. Arena  
Metropolitan Water District of Southern California  
Interim Business Outreach Program Manager

DISPLAY CONSPICUOUSLY AT PLACE OF BUSINESS FOR WHICH ISSUED

CALIFORNIA STATE BOARD OF EQUALIZATION

## SELLER'S PERMIT



ACCOUNT NUMBER

6/1/2005 SR EA 100-590189

EMERGENCY VEHICLE GROUP INC  
4544 E EISENHOWER CIR  
ANAHEIM, CA 92807-1823

THIS PERMIT DOES NOT  
ALTERNATE THE COLLECTOR  
TO F.A.C.E. IN ANY  
BUSINESS CONTRARY TO  
LAWS RELATING TO  
BUSINESS OR TO  
POSSESS OR OBTAIN  
ANY ILLEGAL DEVICE.

SELLER IS AUTHORIZED PURSUANT TO SALES AND USE TAX LAW TO ENGAGE IN THE  
BUSINESS OF SELLING TANGIBLE PERSONAL PROPERTY AT THE ABOVE LOCATION.

THIS PERMIT IS VALID UNTIL REVOKED OR CANCELED BUT IS NOT TRANSFERABLE. IF YOU SELL YOUR BUSINESS,  
OR PART OF IT, TO ANOTHER PERSON, YOU WILL BE RESPONSIBLE FOR SALES AND USE TAXES  
DUE BY THE NEW OPERATOR OF THE BUSINESS.

Not valid at any other address.

For general tax questions, please telephone our Information Center at 800-400-7115.

For information on your rights, contact the Taxpayers' Rights Advocate office at 888-324-2798 or 916-324-2788.

303-482-HIRE, 14 (10-05)

### A MESSAGE TO OUR NEW PERMIT HOLDER

As a seller, you have rights and responsibilities under the Sales and Use Tax Law. In order to assist you in your endeavor and to better understand the law, we offer the following sources of help:

- Visiting our website at [www.Doe.ca.gov](http://www.Doe.ca.gov)
- Visiting a district office
- Attending a Basic Sales and Use Tax Law class offered at one of our district offices
- Sending your questions in writing to any one of our offices
- Calling our toll-free Information Center at 800-400-7115

As a seller, you have the right to issue resale certificates for merchandise that you intend to resell. Conversely, you have the responsibility of not misusing resale certificates. While the sales tax is imposed upon the retailer;

- You have the right to seek reimbursement of the tax from your customer
- You are responsible for filing and paying your sales and use tax returns timely
- You have the right to be treated in a fair and equitable manner by the employees of the Board
- You are responsible for following the regulations set forth by the Board

As a seller, you are expected to maintain the normal books and records of a prudent businessperson. You are required to maintain these books and records for no less than four years, and make them available for inspection by a Board representative when requested. You are also expected to notify us if you are buying, selling, adding a location, or discontinuing your business, adding or dropping a partner, officer, or member, or when you are moving any or all of your business locations. If it becomes necessary to surrender this permit, you should only do so by mailing it to a Board office, or giving it to a Board representative.

If you would like to know more about your rights as a taxpayer, or if you are unable to resolve an issue with the Board, please contact the Taxpayers' Rights Advocate office for help by calling toll-free, 888-324-2798 or 916-324-2788. Their fax number is 916-323-3319.

Please post this permit at the address for which it was issued and at a location visible to your customers.

THE STATE BOARD OF EQUALIZATION  
Sales and Use Tax Department

REGISTRATION

VEHICLE DEALER

Vehicle No. 64202

Expires OCT 1, 2007

Expires SEP 30, 2009

This license is valid for the period indicated above. The license shall be signed and displayed on the other  
side of the license. Below are listed the California Vehicle Code sections:

ISSUED TO EMERGENCY VEHICLE GROUP INC  
4544 E EISENHOWER CIR  
ANAHEIM CA 92807

A/C NEW  
TRL NEW  
RTR NEW  
MH NEW

EXEMPT FROM OR RENAISSANCE LICENSES, REGISTRATION AND FEES: 1) California Vehicle  
Code Sections 11196, 11195.5, 11202, 11403, 11506, 11800 or 11717.

Vehicle No. 808775

*T. R. [Signature]*

See Attached Address Change

**DEPARTMENT OF MOTOR VEHICLES  
OCCUPATIONAL LICENSING SECTION**

**TEMPORARY PERMIT**

**TYPE OF LICENSE**

<input checked="" type="checkbox"/> DEALER	<input type="checkbox"/> DISTRIBUTOR	<input type="checkbox"/> LESSOR-RETAILER	<input type="checkbox"/> DEALER-REMANUFACTURER ONLY
<input type="checkbox"/> DEALER-WHOLESALE ONLY	<input type="checkbox"/> TRANSPORTER	<input type="checkbox"/> DRIVING SCHOOL OWNER	<input type="checkbox"/> ATV TRAINING ORGANIZATION
<input type="checkbox"/> DEALER AUTOBROKER	<input type="checkbox"/> REMANUFACTURER	<input type="checkbox"/> DRIVING SCHOOL OPERATOR	<input type="checkbox"/> REGISTRATION SERVICE
<input type="checkbox"/> MANUFACTURER	<input type="checkbox"/> DISMANTLER		

**TYPE OF VEHICLES — Place an "X" in all that apply.**

	AUTO COMMERCIAL	TRAILER	MOTORCYCLE	ALL-TERRAIN VEHICLE	RECREATIONAL TRAILER	MOTORHOME	SNOWMOBILE
NEW	X	X				X	
USED	X	X				X	

FIRM OR INDIVIDUAL NAME <b>EMERGENCY VEHICLE GROUP, INC.</b>			O/L NUMBER <b>64202</b>
ADDRESS <b>2883 E. CORONADO ST</b>	CITY <b>ANAHEIM</b>	STATE <b>CA</b>	ZIP CODE <b>92806</b>

**NOTICE: This is not a license!** This is a temporary permit enabling the entity shown above to operate in the capacity indicated pending the issuance of a license or permit. ***This temporary permit may be cancelled at any time and automatically expires 02-28-2009.***

ISSUING EMPLOYEE'S TYPED NAME AND NUMBER <b>Inspector Saenz # 781</b>	ISSUING EMPLOYEE'S SIGNATURE <b>X [Signature] #781</b>	OFFICE/REGION <b>Irvine R5 OL</b>
SIGNATURE OF APPLICANT <b>X [Signature]</b>	DATE <b>10-21-2008</b>	

# ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
7/20/2009

PRODUCER (616)942-5070 FAX: (616)942-8199

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

Van Wyk Risk & Financial Management  
2237 Wealthy Street SE  
Suite 200  
Grand Rapids MI 49506

**INSURERS AFFORDING COVERAGE**

NAIC #

**INSURED**

Emergency Vehicle Group, Inc.  
2883 E. Coronado St.

INSURER A: **Employers Mutual Casualty**

INSURER B: **Travelers Prop & Casualty**

INSURER C:

INSURER D:

INSURER E:

Anaheim CA 92806

**COVERAGES**

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADDL INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
		<b>GENERAL LIABILITY</b> <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC				EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$
A		<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	348544-04	9/8/2008	9/8/2009	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B		<b>GARAGE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO	GA-6330M909	9/8/2008	9/8/2009	AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ 1,000,000 AUTO ONLY: AGG \$ 3,000,000
		<b>EXCESS/UMBRELLA LIABILITY</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE  <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$
B		<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below	YE-UB-3612N73-1-09	4/6/2009	9/1/2009	<input checked="" type="checkbox"/> WC STATU-TORY LIMITS <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
		<b>OTHER</b>				

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS  
 Certificate holder added as additional insured to the general liability.

**CERTIFICATE HOLDER**

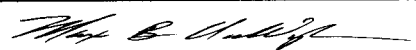
City of Long Beach  
333 West Ocean Boulevard  
Plaza Level  
Long Beach, CA 90802

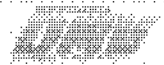
**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Max Van Wyk/PATTI





4 Paper (Vehicle Code)

**VEHICLE MANUFACTURER**

12491

Issue Date: **JUL 1, 2009**

Expiration Date: **JUN 30, 2011**

This license is valid for the person indicated above. The license shall be signed and displayed in the office with the address shown (state, pursuant to the California Vehicle Code).

ISSUED TO  
WHEELED COACH INDUSTRIES INC  
2737 N FORSYTH RD  
WINTER PARK FL 32792

A/C

License must be returned prior to expiration date pursuant to California Vehicle Code Sections 11400, 11500, 11504, 11410, 11600, 11620 or 11711.

Serial Number: 10

**944693**

Department of Motor Vehicles



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
06/04/2009

**PRODUCER**  
Marsh USA, Inc.  
4400 Comerica Bank Tower  
1717 Main St.  
Dallas, TX 75201-7357  
Attn: Dallas.Certs@Marsh.com Fax: 212-948-0519  
932536-GAGU-09-10 11M

THIS CERTIFICATION IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

**INSURED**  
Wheeled Coach Industries, Inc.  
2737 N. Forsyth Road  
Winter Park, FL 32792

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: Lexington Insurance Company	19437
INSURER B: National Union Fire Ins Co Pittsburgh PA	19445
INSURER C: Travelers Property Casualty Company Of	25674
INSURER D:	
INSURER E: N/A	N/A

## COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS
A	<b>GENERAL LIABILITY</b>	021435717	06/06/2009	06/06/2010	EACH OCCURRENCE \$ 2,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> SIR Value: \$200,000 Products <input checked="" type="checkbox"/> \$25,000 All Other GENERAL AGGREGATE LIMIT APPLIES PER <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC				DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000
C	<b>AUTOMOBILE LIABILITY</b>	810-1796L264-TIL-09 (AOS)	06/06/2009	06/06/2010	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS	BA-1796L264-09 (TX)	06/06/2009	06/06/2010	BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	<b>GARAGE LIABILITY</b>	810-1796L264-TIL-09 (AOS)	06/06/2009	06/06/2010	AUTO ONLY - EA ACCIDENT \$ 500,000
	<input checked="" type="checkbox"/> ANY AUTO	BA-1796L264-09 (TX)	06/06/2009	06/06/2010	OTHER THAN AUTO ONLY EA ACC \$ AGG \$
B	<b>EXCESS / UMBRELLA LIABILITY</b>	BE5007278	06/06/2009	06/06/2010	EACH OCCURRENCE \$ 11,000,000
	<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input checked="" type="checkbox"/> RETENTION \$ 10,000				AGGREGATE \$ 11,000,000 \$ \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b>				<input type="checkbox"/> IWC STATU- TORY LIMITS <input type="checkbox"/> OTHER ANY PROPRIETOR/PARTNER/EXECUTIVE Y / N OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> N (Mandatory in NH) If yes, describe under SPECIAL PROVISIONS below
	<b>OTHER</b>				E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

### DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADOED BY ENDORSEMENT/SPECIAL PROVISIONS

For Evidence of Insurance  
The Automobile Liability Policy No. 8101796L264 for the state of Florida includes PIP in the amount for \$10,000.

**CERTIFICATE HOLDER** HOU-001133317-15

Wheeled Coach Industries, Inc.  
2737 N. Forsyth Rd.  
Winter Park, FL 32792

### CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE  
of Marsh USA Inc.  
William Hines

ACORD 25 (2009/01)

© 1998-2009 ACORD CORPORATION. All Rights Reserved

The ACORD name and logo are registered marks of ACORD



Ford Motor Company

*is proud to recognize*

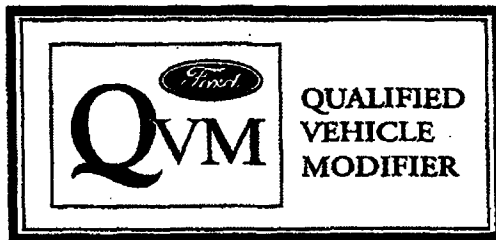
*Wheeled Coach Industries - Winter Park, FL*

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*as a participant of the*

*Qualified Vehicle Modifier Program*

*- October 2004 -*



*Alex J. Jones*

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QVM Program Manager