

INVITATION TO BID

INVITATION TO BID #05-11

BID DESCRIPTION: TWIN AGENT AIRCRAFT RESCUE FIRE FIGHTING RAPID INTERVENTION VEHICLE

ISSUE DATE: Wednesday, April 6, 2005

BID OPENING DATE: Thursday, April 21, 2005

BID OPENING TIME: 10:00 AM

BID RESPONSES MUST BE RECEIVED NO LATER THAN THE PUBLIC BID OPENING DATE AND TIME (LOCAL TIME) SPECIFIED ABOVE. BIDS WILL BE OPENED AND READ ALOUD AT THAT TIME. LATE BIDS WILL NOT BE CONSIDERED.

TO ALL PROSPECTIVE CONTRACTORS/BIDDERS:

You are hereby invited to submit your bid for the item(s) to be furnished and delivered, shipped f.o.b. to the address specified herein.

All bids must be received in **DUPLICATE** in sealed envelopes.

All bids are subject to staff analysis and Board approval. The Greater Rockford Airport Authority (Authority) reserves the right to accept or reject any and all bids received and waive any and all technicalities.

Bids must be delivered prior to the public bid opening date and time to:

**Greater Rockford Airport Authority
60 Airport Drive
Rockford, IL 61109-2902**

Direct any and all inquiries about this bid to Amy M. Ott, Deputy Director of Finance & Administration, at 815-969-4445 or aott@flyrfd.com.

Instructions to Bidders

1.1 Bid Preparation

Bids must be submitted, in duplicate, on the blank Bid Form furnished with these contract documents and shall conform to the terms and conditions set forth in the “Instructions to Bidders,” “General Terms and Conditions” and “Special Terms and Conditions” of the contract. Bids submitted in any other manner, or which fail to furnish all information or certificates required, may be summarily rejected. Bids may be modified or withdrawn prior to the time specified for the opening of bids. Bids shall be filled out legibly in ink or typewritten with all erasures, strikeouts and corrections initialed in ink by the person signing the bid.

1.2 Bid Execution

If the Bidder is a corporation, the President shall execute the bid. In the event that the bid is executed by other than the President, a certified copy of that section of the corporate by-laws or other authorization by the corporation, which permits the person to execute the bid for the corporation, shall be submitted. If the Bidder is a partnership, all partners shall execute the bid, unless one partner has been authorized to sign for the partnership, in which case, evidence of such authority satisfactory to the Deputy Director/Finance & Administration shall be submitted. If the Bidder is a sole proprietor, the owner shall execute the bid. A “Partnership” or “Sole Proprietor” operating under an Assumed Name shall be registered with the Illinois County in which located, as provided in the Illinois Compiled Statutes, 805/ILCS 405/1.

1.3 Bid Submission

The Greater Rockford Airport Authority must receive all bids by the specified opening time of the bid. Bids arriving after the specified time will not be accepted and will be returned unopened. All bids shall be submitted in sealed envelopes with the following information explicitly shown (centered both vertically and horizontally on the envelope): name and address of bidder and bid number. Further, the sealed envelope must be clearly marked “SEALED BID.” The Bidder shall be responsible for the delivery of the bid before the date and hour set forth for the opening of bids.

1.4 Error in Bid

Bidders are cautioned to verify their bids before submission. Negligence on the part of the Bidder in preparing the bid confers no right for withdrawal or modifications of the bid after it has been opened. In case of error in the extension of prices in the bid, the unit price will prevail.

1.5 Variances and Deviations

Variances and deviations shall be described fully on the Bid Form. In the absence of such statement, the bid shall be considered as if submitted in strict compliance with all terms, conditions, and specifications; the Contractor shall be held liable. Contractors are cautioned to avoid making variiances and deviations to the specifications, which may result in rejection of their bid.

1.6 Reserved Rights

Greater Rockford Airport Authority reserves the right at any time and for any reason to cancel this Invitation to Bid, accept or reject any or all bids or any portion thereof, or to accept an alternate bid. The Authority reserves the right to waive any immaterial defects or irregularities in any bid. The Authority may seek clarification from any Bidder at any time and failure to respond promptly is cause for rejection. The Authority has sixty (60) days to accept the bid.

1.7 Interpretation or Correction of Bidding Documents

Bidders shall promptly notify the Authority no later than one (1) week before bid opening of any ambiguity, inconsistency or error, which they may discover upon examination of the bidding documents. Interpretations, corrections and changes will be made by written addendum. Each bidder shall ascertain prior to submitting a bid that all addenda have been received and acknowledged in the bid. Oral explanations will not be binding.

1.8 Incurred Costs

The Authority will not be liable for any costs incurred by Bidders in replying to this Invitation to Bid.

1.9 No Bid Response

If your firm declines to bid on this invitation, but desires to remain on the Authority's Bidders' List for future invitations, please submit in a letter stating why you are declining to bid.

1.10 Basis of Award

It is the intent of the Authority to award a contract to the lowest responsible bidder meeting specifications. Further, the Authority reserves the right to determine the lowest responsible bidder in any way determined to be in the best interests of the Authority. Award will be based on the following factors (where applicable): (a) adherence to all conditions and requirements of the bid specifications; (b) price; (c) qualifications of the bidder, including past performance, financial responsibility, general reputation, experience, service capabilities, and facilities; (d) delivery or completion date; (e) product appearance, workmanship, finish, taste, feel, overall quality, and results of product testing; (f) maintenance costs and warranty provisions; and (g) repurchase or residual value.

1.11 Pre-Bid Conference

If a Pre-Bid Conference is a requirement of this contract, it will be shown on the Title Page.

End of Instructions to Bidders

General Terms and Conditions

2.1 Non-Discrimination

Contractor shall comply with the Illinois Human Rights Act, 775, ILCS 5/1-101 et seq., as amended and any rules and regulations promulgated in accordance therewith, including, but not limited to the Equal Opportunity Clause, Illinois Administrative Code, Title 44, Part 750 (Appendix A), which is incorporated herein by reference. Furthermore, the Contractor shall comply with the Public Works Employment Discrimination Act, 775 ILCS 10/0.01 et seq., as amended.

During the performance of this Contract, the Contractor agrees that it shall not discriminate against any worker, employee or applicant, or any member of the public, on the basis of race, color, religion, sex, national origin, ancestry, age, marital status, physical or mental handicap, or sexual orientation. Upon request of the Authority, the Contractor also agrees to submit in writing an affirmative action plan demonstrating compliance with equal employment opportunity laws and policies. Contractor further agrees that this clause will be incorporated by the Contractor in all contracts entered into with suppliers or materials or services, sub-contractors and all labor organizations furnishing skilled, unskilled and craft union skilled labor, or any other person or organization performing services in connection with this Contract.

2.2 Drug-Free Workplace

The Contractor agrees to provide a drug free workplace as provided for in the Drug Free Workplace Act, 30 ILCS 580/1, et seq.

2.3 Tax Exemption

The Greater Rockford Airport Authority is not subject to Federal Excise Tax. Per Illinois Compiled Statutes, 35 ILCS 120/2-5, the Greater Rockford Airport Authority is exempt from state and local taxes. Our exempt number is E9992-3521-04

2.4 Warranties

Contractor warrants that all goods and services furnished hereunder will conform in all respects to the terms of this solicitation, including any drawings, specifications or standards incorporated herein, and that they will be free from latent and patent defects in materials, workmanship and title, and will be free from such defects in design. In addition, Contractor warrants that said goods and services are suitable for, and will perform in accordance with, the purposes for which they are purchased, fabricated, manufactured and designed or for such other purposes as are expressly specified in this solicitation. The Authority may return any nonconforming or defective items to the Contractor or require correction or replacement of the item at the time the defect is discovered, all at the Contractor's risk and expense. Acceptance shall not relieve the Contractor of its responsibility.

The Contractor further agrees, upon written notice from the Authority, to promptly and without charge, make changes, corrections and/or replacement, to the satisfaction of the Authority, which may be required to make good all defects in design and material under its intended use, for a period of one (1) year, with the one (1) year period commencing on the date of acceptance by the Authority. The Contractor shall receive no compensation for cost in replacement of goods or workmanship.

2.5 Indemnification

Contractor agrees to indemnify, save harmless and defend the Greater Rockford Airport Authority, its agents, servants, Commissioners, and employees, and each of them against and hold it and them harmless from any and all lawsuits, claims, demands, liabilities, losses or expenses, including court costs and attorneys' fees, for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to any property, which may arise or which may be alleged to have arisen, in whole or in part, out of or in connection with the work covered by this contract. The foregoing indemnity shall apply except if such injury, death or damage is caused directly and solely by the negligence or other fault of the Greater Rockford Airport Authority, its agents, servants, Commissioners, or employees or any other person indemnified hereunder. This indemnification obligation is not limited by, but is in addition to the insurance obligations, which may be contained in this contract. The provision of this paragraph shall not be waived.

General Terms and Conditions

2.6 Termination and Default

Time is of the essence of this contract and if delivery of acceptable items or rendering of services is not completed by the time promised, the Authority reserves the right, without liability, in addition to its other rights and remedies, to terminate the contract by notice effective when received by Contractor, as to stated items not yet shipped or services not yet rendered and to purchase substitute items or services elsewhere and charge the Contractor with any or all losses incurred. The Authority shall be entitled to recover its attorney's fees and expenses in any successful action by the Authority to enforce this contract.

2.7 Royalties and Patents

Contractor shall pay all royalties and license fees. Contractor shall defend all suits or claims for infringement of any patent, copyright or trademark rights and shall hold the Authority harmless from loss on account thereof.

2.8 Regulatory Compliance

Contractor represents and warrants that the goods or services furnished hereunder (including all labels, packages and containers for said goods) comply with all applicable standards, rules and regulations in effect under the requirements of all Federal, State and local laws, rules and regulations as applicable, including the Occupational Safety and Health Act as amended, with respect to design, construction, manufacture or use for their intended purpose of said goods or services. Contractor shall furnish "Material Safety Data Sheets" in compliance with the Illinois Toxic Substances Disclosure to Employees Act.

Pursuant to Illinois Municipal Code 65 ILCS 5/11-42.1-1, by signing this bid the Contractor certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue.

The Contractor certifies that they are not barred from bidding on this contract as a result of engaging in or being convicted of: (a) bid-rigging in violation of Section 3; or (b) bid-rotating in violation of Section 4, of the Illinois Criminal Code of 1961, as amended [720 ILCS 5/33E-3 and 4].

2.9 Discounts

Prices quoted must be net after deducting all trade and quantity discounts. Where cash discounts for prompt payment are offered, the discount period shall begin with the date of receipt of a correct invoice or receipt or final acceptance of goods, whichever is later.

2.10 Inspections

The Authority shall have the right to inspect any materials, components, equipment, supplies, services, or completed work specified herein. Any of said items not complying with these specifications are subject to rejection at the option of the Authority. Any items rejected shall be removed from the premises of the Authority and/or replaced at the entire expense of the Contractor.

2.11 References

To allow the Authority to evaluate the experience of the Contractor, as it relates to this purchase, the Contractor must submit a minimum of three (3) references of organizations that have purchased similar items. Failure to include references may result in bid disqualification. References must be submitted on the Bid Form.

2.12 Law Governing

This contract shall be governed by and construed according to the laws of the State of Illinois.

End of General Terms and Conditions

Special Terms and Conditions

- 3.1 Pricing
The price quoted for each item is the full purchase price, including delivery to destination, and includes all transportation and handling charges, premiums on bonds, material or service costs, patent royalties and all other overhead charges of every kind and nature. Unless otherwise specified, prices shall remain firm for the contract period.
- 3.2 Specifications
See attached Specification ARFF RIV Attachment A sections 1.0 through 18.0.
- 3.3 Retainer
The Authority will retain 10% of the total bid package until final inspection is deemed full and complete.
- 3.4 Invoicing and Payment
The goal of the Authority is to pay properly submitted Contractor invoices within thirty (30) days of receipt, providing goods have been delivered and/or services have been performed, approved and accepted by the Greater Rockford Airport Authority. Original invoices must be presented for payment in accordance with instructions contained on the Purchase Order including reference to Purchase Order number and submitted to the correct address for processing.
- 3.5 Insurance
The Contractor shall maintain at all times a minimum commercial liability insurance policy in the amount of \$2,000,000.00 and must name the Greater Rockford Airport Authority as additional insured on Contractors policy. Proof of adequate insurance in the form of a Certificate of Insurance must be provided to the Authority upon contract acceptance.

End of Special Terms and Conditions

Full Name of Bidder: _____

Business Address: _____

City, State, Zip: _____

Telephone Number: _____ FAX: _____

Email: _____

Contract Person: _____

FEIN: _____

The undersigned, being duly sworn, certifies that he/she is:

- The Owner/
Sole Proprietor a Member of the
Partnership an Officer of the
Corporation a Member of the
Joint Venture

Further, the Contractor declares that the only person or parties interested in this bid as principals are those named herein.

Further, the undersigned hereby certifies that they have read and understand the contents of this bid and agree to furnish at the prices shown any or all of the items above, subject to all instructions, conditions, specifications, warranties and attachments, including Addenda No. _____ and _____ issued thereto, except only to the extent that the Contractor has taken express written exception in this bid, hereto. Failure to have read all the provisions of this bid shall not be cause to alter any resulting contract or request additional compensations.

Further, by signing this bid document, the bidder hereby certifies that they are not barred from bidding on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961, as amended.

Further, by signing this bid document, the Contractor hereby certifies that pursuant to Illinois Compiled Statutes, 65 ILCS 5/11-42-1, the Contractor is not delinquent in the payment of any tax administered by the Department of Revenue.

Our State of Illinois Certification Number under the Fair Employment Practices Law is _____.

- (check if applicable) We do not have a State Pre-Qualification Statement. In lieu thereof, we will make an application at 312.814.2432 within thirty (30) days from the date of this bid opening.

Further, the Contractor agrees to provide a drug free workplace as provided for in the Drug Free Workplace Act, 30 ILCS 580.1 et seq.

Authorized Signature: _____

Typed/Printed Name: _____

Title: _____

Date: _____

PART A

Base Bid of vehicle **EXCLUDING** all options:

\$ _____

Price of each as if order separately:

- 1) 3 ea. Fills of training foam/dry chem./
Recharge cylinders \$ _____
- 2) Complete FLIR camera system: \$ _____
- 3) Wheel Simulators \$ _____
- 4) Running Boards \$ _____
- 5) Winterization Package \$ _____
- 6) Fire Department Radio \$ _____
- 7) Airport Ground Radio \$ _____
- 8) Hand Tools list in Advisor Circular \$ _____
- 9) Specialty Tool – Extrication \$ _____

Total Bid **INCLUDING** all options:

\$ _____

PART B

Provide a list of names and telephone numbers of fire stations and airport fire stations that the bidder has constructed in the last three (3) years totaling a minimum of one hundred (100) pieces of fire apparatus. Submit this list on bidder's letterhead and attach to the Bid Form.

PART C

Submit good standing member certification for NFPA: yes _____ no _____
Submit good standing member certification for FAMA: yes _____ no _____

PART D

Submit attached Bid Security Bond per specifications, page 5, paragraph 1.4, Consent of Surety.

**BID SECURITY BOND
To Be Completed and Submitted With Bid**

KNOW ALL PERSONS BY THESE PRESENTS:

THAT _____ hereinafter called Principal, and
(Contractor)

_____ hereinafter called Surety, are
(Surety)

jointly and severally held and firmly bound unto the (Name of Agency), (city), (state), hereinafter called (Agency), in the penal sum of ten percent (10%) of the aggregate of the bid of Principal for the work, this sum not to exceed (\$ _____) dollars lawful money of the United States, for the payment whereof unto (Agency), Principal and Surety jointly and severally bind themselves forever firmly by these presents.

WHEREAS, Principal is herewith submitting a bid to:

(bid title)

NOW, THEREFORE, the condition of this obligation is such that if Principal is awarded a contract for the work, and if Principal within that time specified in the bid enters into, executes and delivers to (Agency) a contract in the form provided herewith, and if Principal within the time specified in the bid gives to (Agency) the performance bond and the payment bond on the forms provided herewith, and evidence of required liability and worker's compensation insurance, then this obligation shall be void.

If, however, Principal shall fail or refuse to furnish, execute, and deliver to (Agency) said performance and payment bonds, and evidence of required liability and worker's compensation insurance in the time stated in the bid, then Principal and Surety shall forfeit to (Agency) the penal sum hereof.

AND IT IS HEREBY DECLARED AND AGREED that Surety shall be liable under this obligation as Principal, and that nothing of any kind or nature whatsoever that will not discharge Principal shall operate as a discharge or a release of liability of Surety.

IT IS HEREBY FURTHER DECLARED AND AGREED that this obligation shall be binding upon and inure to the benefit of Principal, Surety and (Agency) and their respective heirs, executors, administrators, successors and assigns.

SIGNED AND SEALED THIS _____ day of _____, 200__

Name of Principal

Signature of Principal's Authorized Representative

Name and Title of Signer

(Seal and signature of Notary Public), (Attach notary acknowledgment of Surety)

Variances and Deviations

Variance 1: _____

Variance 2: _____

Variance 3: _____

Variance 4: _____

References

Company Name: _____

Address: _____

Contact Person: _____

Telephone #: _____

Company Name: _____

Address: _____

Contact Person: _____

Telephone #: _____

Company Name: _____

Address: _____

Contact Person: _____

Telephone #: _____

Company Name: _____

Address: _____

Contact Person: _____

Telephone #: _____

**NORTHWEST CHICAGOLAND INTERNATIONAL
AIRPORT @ ROCKFORD (RFD)**

**SPECIFICATIONS FOR TWIN AGENT
AIRCRAFT RESCUE FIRE FIGHTING
RAPID INTERVENTION VEHICLE**

**150 Gallon Tri-Max Foam System
500 lbs. Purple K Dry Chemical
w/Hydro-Chem Technology**

F-550 with Custom Aluminum Body

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NO	COMMENT	YES

1.0 GENERAL SECTION

1.1 These specifications will be for a twin agent rescue vehicle. This vehicle shall be capable of carrying up to two (2) fire fighters with gear. This vehicle shall also be configured to carry the necessary rescue equipment that would be needed for a quick response and a quick knock down capability.

This vehicle and apparatus must meet or exceed the U. S. Department of Transportation, Federal Aviation Administration Advisory Circular No. 150/5220-19, Dated 12/7/93. Entitled GUIDE SPECIFICATIONS FOR SMALL DUAL AGENT AIRCRAFT RESCUE AND FIRE FIGHTING VEHICLES. Any deviations from this Specification must be noted in BOLD PRINT next to the item or section referencing or describing the function and or operation.

Again: **Any and all exclusions, omissions, or deviations to this Advisory Circular must be brought to the attention of the Authority within the Bid submission packet and prior to bid award.**

Proposed specifications must be on the Greater Rockford Airport Authority’s (Authority) Bid Form. Each bidder is required to provide in the bid package to the Authority a complete and accurate description of the apparatus being proposed. Additionally, each bidder must comply with the “yes” or “no” questionnaire shown on the right margin of these specifications. Any exceptions, clarifications, or comments of these specifications, please check (√) the center (yellow) column, and note it on the Variances and Deviations Bid Form referencing the section and the exception or clarification offered. Any exception or clarification shall be clearly defined with details as to the proposed alternative. A general exception or clarification cannot be taken for any paragraph. The specification package, along with any herein listed exceptions and clarifications, shall be submitted as a part of the bidder’s entire bid proposal. So do not detach or omit any sheet.

Manufacturer’s Qualifications

To assist the Authority in determining the ability of the bidder to fulfill the requirements of these specifications, the bidder shall submit the names and telephone numbers of fire departments and airports fire departments to demonstrate that the bidder has constructed a minimum of one hundred (100) pieces of fire apparatus in the last three (3) years.

Additionally, each bidder shall be required to submit certification to the Authority that the bidder is a member in good standing with the National Fire Protection Association (NFPA) and the Fire Apparatus Manufacturer’s Association (FAMA).

NO	COMMENT	YES

Order Placement & Delivery Schedules: It is the desire of the Authority to have flexibility in ordering and guaranteed delivery of the vehicle. Please complete the following:

To achieve a delivery date of: **Order placement no later than:**

August 01, 2005 Date: _____

August 15, 2005 Date: _____

September 01, 2005 Date: _____

1.2 Items required with Bid

- 1) Colored engineering large size drawing of the completed unit showing the following:
 - A driver’s side view of the completed unit
 - A passenger’s side view of the completed unit
 - A rear view of the completed unit
 - All principle dimensions (i.e. height, width, and length)

- 2) A copy of the warranty supplied with the completed apparatus:
 - Record of construction details
 - Electrical system load analysis
 - Electrical system performance test per NFPA Standards

1.3 Items required at Delivery

Each bidder must agree to provide the following items at delivery of the completed apparatus:

- 1) Record of construction details
- 2) Electrical system load analysis
- 3) Certification of satisfactory electrical system performance testing per NFPA standards
- 4) Certification of water tank capacity per NFPA Standards
- 5) Certified weight scale ticket of the completed apparatus with all systems full and unit operationally functional
- 6) Detailed drawings of the as-built electrical system
- 7) Complete manuals for both the pump, and the apparatus body
- 8) Copy of warranties outlining the following coverage’s:
 - a. Warranty of the vehicle
 - b. GENERAL WARRANTY – The bidder shall warrant the fire apparatus manufactured to the Authority against defects in material and workmanship for a period of (two) years from the date of delivery.
 - c. RUST & CORROSION WARRANTY – The bidder shall warrant the apparatus body against rust and or corrosion to the Authority for a period of not less than 3 years.

NO	COMMENT	YES

- d. CHASSIS WARRANTY – The chassis will be warranted by the chassis manufacturer as per the chassis manufacturer’s issued warranty.
- e. TANK WARRANTY – The specified tank manufacturer’s warranty shall apply and be provided to the Authority.

1.4 Consent of Surety

To insure the bidder shall enter into a contract with the Authority at the bid amount, the bidder shall be required to submit a bid bond or certified check for at least 10% of the total bid amount (including all options) with the bid.

In consideration of the financial and contractual interests of the Authority, the bidder shall also be required to submit with its bid a letter of consent from a surety indicating its willingness to issue a contract bond insuring the bidder’s faithful performance of the Authority’s contract. The consent shall be from a surety that is listed by the Treasury Department of the U.S. Government and has at least an “A+” superior rating by Best’s Surety Rating Guide. See Bid Form – Part D.

1.5 Final Inspection and Delivery

Final inspection by the Authority and/or a designated representative(s) shall be **at the factory** and shall continue for a period of 30 days. Refer to Section 18.0, Owner Inspection Visit To Manufacturing Plant.

The bidder shall have sixty (60) days after the date of delivery to correct any items not conforming to the specifications. All expenses associated with this item shall be the responsibility of the bidder.

1.6 Delivery

Delivery of the completed vehicle will be to the Maintenance Building at 5751 Falcon Rd., Rockford, Illinois of the Northwest Chicagoland International Airport @ Rockford (RFD). Delivery will be coordinated with Management Personnel or designated representative. Vehicle will be transported, not driven, on open highways from the manufacturer to the Authority’s Maintenance Building. Vehicle will have a clean and new appearance both interior and exterior upon delivery. All optional equipment/items will be delivered with the prime vehicle.

1.7 Product

The completed vehicle shall be delivered with enough products to fill all reservoirs to capacity. Upon filling, the vehicle will be “ON-LINE” and

NO	COMMENT	YES

fully functional. **Additionally, please include (3) three complete fills of training foam/dry chemical and charging cylinders.**

1.8 Workmanship

The installation of hardware parts such as hinges, catches, handles, or knobs shall be accomplished to avoid damaging the hardware or the mounting surfaces. After Fabrication, all parts shall be cleaned of the following: smudges; loose, spattered, or excess welding; metal chips or filings; and/or other foreign material which might detract from the intended operation, function, or appearance of the apparatus or its equipment. This would include any particles, which could loosen or become dislodged during the normal expected life of the equipment. Whenever possible, this cleaning shall take place before the parts are assembled.

Threaded parts or devices shall show no evidence of cross threading, mutilation, or detrimental burrs. All screw type and rivet fasteners shall be tight to allow not relative movement between the attached parts. All bolts and screws shall not be tightened in excess of the SAE torque standards established for the grade, screw, and tread type.

All welds shall be free of harmful defects such as cracks, porosity, undercuts, voids, and gaps. There shall be no weld burns through any materials. Fillets shall be uniform and smooth. There shall be no damage to adjacent parts resulting from the welding.

2.0 2006 FORD F-550 4X4 165"WB CHASSIS SPECIFICATIONS

2.1 Standard Equipment

Power train

- Powerstroke 6.0L V-8 OHV direct diesel injection 32 valve
- Inter-cooled turbo diesel engine
- (2) (dual) 130 amp alternators
- 750 amp 78 amp hours (Ah) battery dual batteries
- Engine block heater, transmission oil cooler
- 5-speed electronic automatic transmission with overdrive, lock-up, driver selection
- Part-time four-wheel drive with manual transfer case shift, automatic locking hubs
- Limited slip differential
- 4.88 axle ratio
- Stainless steel exhaust

NO	COMMENT	YES

Steering and Suspension

- Hydraulic power-assist re-circulating ball steering
- 4 wheel disc brakes with front and rear vented discs
- Firm ride suspension
- Mono-beam non-independent front suspension
- Front leaf suspension
- Front anti-roll bar
- HD front leaf springs
- HD front shocks
- Rigid rear axle
- Rear leaf suspension
- Rear anti-roll bar
- HD rear leaf springs
- HD rear shocks
- Front and rear 19.5” X 6.00” argent steel wheels
- Tires: LT225/70Rx19.5F BSW Traction
- Spare tire and wheel (not mounted on vehicle)

Safety

- 4-wheel anti-lock braking system
- Dual airbags, passenger side front-impact cancelable airbag
- Front height adjustable seatbelts
- Panic alarm

Comfort & Convenience

- Air conditioning
- Premium AM/FM stereo, clock, seek-scan, cassette, in-dash mounted single CD, 4 speakers, amplifier, fixed antenna
- Cruise control with steering wheel controls
- Power door locks with 2 stage unlock, key fob (all doors) keyless entry
- 2 12V DC power accessory outlets, retained accessory power, ashtray, front lighter element (s)
- Analog instrumentation display includes tachometer, oil pressure gauge, engine temperature gauge, transmission fluid temp gauge, trip odometer
- Warning indicators include oil pressure, water temp warning, battery, key in ignition, low fuel, door ajar
- Steering wheel with tilt adjustment
- Power front windows with light tint, driver 1-touch down
- Variable intermittent front windshield wipers, sliding rear window

NO	COMMENT	YES

- Passenger side vanity mirror
- Day-night rearview mirror
- Interior lights include front reading lights, illuminated entry
- Glove box with light, front cup holder, instrument panel bin, dashboard storage, driver and passenger door bins

Seating and Interior

- Seating capacity of 2
- 40-00-40 split-bench front seat with fixed head restraints,
- 8-way adjustable (6-way power) driver seat includes lumbar support
- 4-way adjustable passenger seat includes lumbar support
- Cloth faced front seats with carpet back material
- Vinyl door trim insert
- Full cloth headliner
- Full color-keyed carpet floor covering with floor mats
- Plastic/ rubber gear shift knob
- Cab back insulator

Exterior

- Side impact bars
- Black side, front and rear window moldings
- Black door handles
- Front chrome bumper with tow hooks
- 2 doors
- Trailer harness
- Driver and passenger remote black heated folding outside mirrors with turn signal
- Integrated, molded black cab steps
- Aero-composite halogen fully automatic headlamps with delay-off feature
- Additional exterior lights include cab clearance lights, under hood light

Dimensions and Capacities

- GVWR 17,500 lbs.
- Cab to axle 84"
- Wheelbase 165.0"

NO	COMMENT	YES

2.2 Center Console

A center console shall be constructed in order to provide easy use of all installed electronic equipment for both the driver and passenger.

3.0 CRASH RESPONSE BODY 84” CA

3.1 Aluminum Treadplate Access Doors

One (1) aluminum tread plate cover shall be manufactured of aluminum tread plate. The cover shall be hinged for access to the foam system. The door shall include a rubber hood type latching system. The doors shall be of a shoebox design as to allow extra clearance for the chemical tanks and to keep water from entering the rear area. The doors shall be hinged on the passenger side of the apparatus. The doors shall be held in the open position with pneumatic gas shocks.

The body system is a lightweight, corrosion-resistant body designed for emergency service application. The body is all-welded in a combination of formed-plate and aluminum extrusion to give the product superior strength and dependability. The unit is designed with an 84” cab to axle to provide excellent maneuverability and flexibility.

3.2 Body

The body is constructed of 5052 3/16” high strength aluminum for dependability in the application of rapid intervention.

An independent custom extruded sub-frame supports the body. The sub-frame floats independent of the chassis frame.

The sub-frame is constructed of customized 3” 6061 aluminum “C” channel. The aluminum channel is mig-welded into position.

The sub-frame is designed for emergency service application. It provides each compartment with total support to prevent the body from prematurely cracking under the extreme conditions common to the emergency service field.

The body is held in position by the U-Bolt method recommended and approved by the chassis manufacturer.

3.3 Front Body Panel

The front of the body is manufactured of aluminum tread plate for ease of maintenance and protection of the lower body area.

NO	COMMENT	YES

3.4 Aluminum Wheel Wells

The rear wheel housing is constructed of 5052 3/16” aluminum. The wheel well incorporates a wheel well liner to prevent road debris from entering the compartment area. A bright trim skirt is installed on the fender opening to prevent an excess of road splash exposure to the outside body panels.

4.0 COMPARTMENTATION

Compartments shall be constructed of 5052 3/16” emergency service aluminum for longevity and dependability.

The compartment seams are continuous mig-welded to provide the durability and strength necessary for emergency service application.

All compartments are of sweep-out design for ease of maintenance.

The compartment tops are covered with aluminum tread-plate. Each compartment top offers support for 500 pounds of weight (Both sides offer a combined total of 1000 lb. of weight carrying capacity). The compartment top area is coated with a Tectyl 185GW material prior to final assembly to act as a barrier and to prevent corrosion.

The side compartments shall each have black, Turtle Tile, plastic flooring on the floor of each compartment. The tile shall be opened face to allow drainage and ventilation while preventing moisture buildup against equipment stored in the compartment.

Note: Lift up access hatch assembly.

The compartment dimensions and layout are as follows:

4.1 LEFT SIDE:

L1

A roll-up door compartment assembly approximately 56" wide x 56" high x 21" deep/transverse, with a door opening of 51-1/2" wide x 47-1/2" high shall be provided ahead of the rear wheels on the left side. The transverse area shall be 20" wide through the body area. Four roll out trays in the divided compartment, with pike pole and backboard storage at the top.

L2

A roll-up door compartment assembly approximately 48" wide x 33" high x 21" deep, with a door opening of 40" wide x 24" high shall be provided over the rear wheels on the left side. One roll out tray in the L2 compartment.

NO	COMMENT	YES

L3

A roll-up door compartment assembly approximately 32" wide x 46" high x 21" deep, with a door opening of 27-1/2" wide x 37-1/2" high shall be provided behind the rear wheels on the left side. Two adjustable shelves in the L3 compartment.

4.2 RIGHT SIDE:

R1

A roll-up door compartment assembly approximately 56" wide x 56" high x 21" deep/transverse, with a door opening of 51-1/2" wide x 47-1/2" high shall be provided ahead of the rear wheels on the right side. Four roll out trays in the divided R1 compartment, with pike pole and backboard storage at the top.

The transverse area shall be 20" wide through the body area.

R2

A roll-up door compartment assembly approximately 48" wide x 33" high x 21" deep, with a door opening of 40" wide x 24" high shall be provided over the rear wheels on the right side. One roll out tray in the R2 compartment.

R3

A roll-up door compartment assembly approximately 32" wide x 46" high x 21" deep, with a door opening of 27-1/2" wide x 37-1/2" high shall be provided behind the rear wheels on the right side. One adjustable shelf in the R3 compartment.

4.3 REAR COMPARTMENT AREA

The rear compartment shall have a roll up door. The door shall be 45" wide x 39" high. The area shall be 48" wide x 48" high x 113 " deep

4.4 COMPARTMENT DOOR CONSTRUCTION

The designated compartments shall have Robinson Roll-up Shutter Doors with a satin finish. The doors shall be made of an anodized aluminum slat incorporating an exclusive seal that prohibits water intrusion, absorbs shock, eliminates clatter, and provides quiet, vibration-free performance.

The doors shall be roll-up with a satin finish. All compartment doors shall be locking.

NO	COMMENT	YES

4.5 REAR BODY AREA

The body shall be designed for aviation application. The body shall be designed for a high angle of departure with the intent of a 30-degree angle of departure.

4.6 RUB RAILS

Bolt on aluminum rub rails shall be installed below the compartment doors. The rub rails will be fabricated from 1/2" thick x 2" wide aluminum, mounted to the body surface utilizing 1" plastic spacers.

4.7 UNISTRUT IN COMPARTMENT

There shall be uni-strut tracking mounted in the specified compartments to allow for the future installation of adjustable shelving: a total quantity of six (6).

5.0 12 VOLT ELECTRICAL

5.1 The electrical system will be fabricated in modules as is the apparatus. The body and chassis will be individually wired as independent modules and connected as a completed unit at the final assembly via waterproof electrical connectors located in the electrical compartment. All GXL/SXL wiring for the apparatus body will be within a temperature resistant harness rated at a minimum of 280 degrees. All wires in each harness must be color and function coded. Wiring will be run along structural rails and tied in a neat and orderly manner. Wiring passing through compartments shall be protected from tears, abrasions, and cuts caused by loose items moving in the compartment space. All circuits added to the chassis electrical system shall be relay switched and circuit breaker protected. All electrical circuits, breakers and wiring will be rated at 125% of the maximum load being imposed per NFPA.

The electrical junction box for all apparatus connections, relays, circuit breakers, etc., will be located on the aft wall of the cab behind the driver and passenger seats. An audible and visual low voltage-warning indicator will be installed in the cab.

5.2 REAR DRIVING SIGNALS

The rear driving signals shall consist of two (2) lights; one (1) on each side of the apparatus. They shall be Weldon LED Vertical Taillight Assembly in Polished Bezel # 3884-0000-28 & 3884-0000-29 series signals and are to be surface mounted on the rear of the side compartments. Each shall be color coded as follows: Red - Stop/Tail, Amber - Turn, and White - Backup. www.weldoninc.com The lights shall be wired to a terminal strip in L-3 Compartment.

NO	COMMENT	YES

5.3 ICC LIGHTING

Clearance lights shall be installed on the apparatus. They shall be hermitically sealed cartridge lights for ease of service and durability. The ICC lights shall be wired to a terminal strip in L-3 compartment.

5.4 COMPARTMENT LIGHT

One (1) 5-inch 12-volt light shall be installed in each apparatus compartment. The compartment lights shall be switched from a single switch inside the chassis cab. The compartment lights shall be wired to a terminal strip in the L-3 compartment.

5.5 CHASSIS FINISH- REAR QUARTER PANEL

The rear quarter panels of the chassis shall be painted job color prior to the body module being mounted to the chassis frame.

5.6 ON-BOARD CHARGER/CONDITIONER

The on-board charger/conditioner shall charge all batteries simultaneously. This unit shall be protected from damage due to road spray and debris and shall be in a position where it can be serviced when necessary. This unit shall be a Kussmaul Pump Plus 1000 kit, Model #091-9-1000. This kit includes battery charger rated at 18 amps w/remote bar graph charge indicator mounted in a sealed unit and 12 vdc air compressor. **No exceptions.**

5.7 MASTER SWITCH

A single “on” position master switch will be supplied by the body manufacturer. When in the off position, this switch will disrupt power to the electrical system except for chassis critical functions. There will be a green pilot light visible to the driver, which illuminates when the master switch is activated.

5.8 BACKUP ALARM

One (1) backup alarm shall be installed and have a minimum of 112 dB rating. It shall be energized automatically when the chassis is placed into reverse gear.

5.9 “DO NOT MOVE APPARATUS” LIGHT

A red “Do Not Move Apparatus” light with flat back and black base shall be located in the cab and shall flash automatically when a lighted compartment

ON	COMPLIANT	YES

door is open, a cab door is open, an equipment rack is not in the stowed position, or another hazard exists.

5.10 SIX SWITCH PANEL BELOW DASHBOARD

The electrical control panel shall be located to the right of the driver’s position just below the dashboard. A communication organizer will hold the switch panel as described. Final location to be determined between the contractor and the airport. The panel shall consist of six (6) lighted rocker switches that are heavy duty rated to service the maximum imposed electrical load. The electrical panel shall have backlighted identification plates on a non-glare panel face. The panel shall be illuminated whenever the master switch and the dash light switch are in the on position. The switch lineup shall be in accordance with the attached switch lineup sheet located elsewhere in these specifications.

6.0 PAINT

6.1 The fabrication of the body compartment assemblies and prior to being mounted to the apparatus shall be properly primed, sealed and finish painted. The body compartments shall have all seams and flanges caulked with a non-silicone automotive type caulk

6.2 An epoxy primer adhesion promoter shall be applied to all surfaces to provide corrosion protection and to create a strong bond between the substrate and surface application. In addition, major components shall be coated with a low Volatile Organic Compound (VOC), high solid sealer to enhance surface smoothness and top coat gloss. The primed surfaces shall be sanded smooth, thus removing all texture and surface imperfections and creating a finish base that will meet the rigid requirements of the fire and emergency services.

6.3 The vehicle and body shall be painted Lime/Yellow. Both the cab and body shall be identical in color. Final coating shall be a low VOC (3.5 pounds per gallon), high solid polyurethane color, 2+ mills minimum thickness, designed to provide a long-wearing, deep-gloss finish under virtually any condition. Paint shall be color coat/clear coat system.

7.0 STRIPING AND LETTERING

7.1 4” black reflective stripes shall be applied to both sides of the vehicle.

7.2 Lettering and numbering shall be applied per customer specifications as follows:
 Black E/2, one on each side of the unit in an unrestricted, highly visible location and one E/2 on the chassis cab roof. Size and font shall be in accordance with AC 150/5220-19.

NO	COMMENT	YES

8.0 TWIN AGENT HIGH ENERGY COLD FOAM (TRI-MAX) AND ENCAPSULATED PURPLE K DRY CHEMICAL (HYDRO-CHEM)

8.1 FOAM AGENT TANK

The agent tank shall hold 150 gallons of pre-mix foam. The foam tank shall be of welded steel construction according to the latest ASME unfired pressure vessel code for a working pressure of 250 psi. and shall be epoxy coated for corrosion resistance. The tank fill shall include a large removable cap to facilitate easy foam and water filling. An approved ASME pressure relief valve shall be furnished to prevent the tank pressure from exceeding 10% of the maximum working pressure.

IC Foam Level Indicator & IC Water Level Indicator

Two (2 each) Innovative Controls five (5) light indicators, shall be installed to monitor the foam tank level and the water tank level. Indicators will be located in close proximity to each other in plain view of the vehicle operator and labeled appropriately. The tank sensing probes shall be made of stainless steel in a chemical resistant PVC housing.

Please refer to “1.0 General” Section, Delivery for Product to be delivered with the vehicle & optional training foam.

8.2 DRY CHEMICAL SYSTEM

A 500 lb. dry chemical system shall be installed and piped to the bumper turret and dual agent reel. The dry chemical tank shall be of welded steel construction according to the latest ASME unfired pressure vessel code for a working pressure of 250 psi. The dry chemical tank shall be fitted with a gas tube arrangement to adequately fluidize the dry chemical, pressurize the tank and maintain a constant pressure during discharge. The dry chemical tank shall be fitted with a 4” I.D. fill opening and provided with a discharge outlet suitable for specific turret and hand line. An approved ASME pressure relief valve shall be furnished to prevent the tank pressure from exceeding 10% of the maximum working pressure.

Please refer to “1.0 General Section, 1.7 Product”, for product to be delivered with the vehicle.

Valve and piping shall be provided so that after the extinguisher is used the hose lines and turret may be flushed of agent by venting pressure in the top of the tank or redirecting nitrogen flow.

NO	COMMENT	YES

8.3 AIR SUPPLY

Three (3) 400 cu. ft., 2600 psi. air cylinders shall be provided. One (1) air cylinder shall be capable of discharging the full agent tank at normal blend-air setting and one (1) shall be capable of discharging the dry chemical tank at normal blend-air settings. The third air cylinder shall be used for foam injection (compressed air foam) and for blow-down to clean the discharge system of agent. The nitrogen cylinders shall be mounted horizontally, designed to permit easy access for operation or replacement. High-pressure air hose and connection shall be rated for 6,000 psi. and shall include a stainless steel braided cover. Three (3) high volume air regulators shall be provided, matched to the discharge flow rating. All low-pressure air hose shall be 1/4" 300 psi @ 210 degree F and shall include stainless steel braided cover. Pressure gauge shall be provided to indicate system operating pressure(s).

Each air cylinder shall be equipped with a high-pressure 12-volt electric solenoid valve and manual override lever. Remote actuation of the cylinders shall be provided at both the console inside the cab and at the twin agent hose reel.

To reservice the cylinders, a central point fill shall be provided. The gas of choice shall be nitrogen, however, the vehicle shall be provided with an adaptor to convert from nitrogen to compressed air.

8.4 ELECTRIC REWIND HOSE REEL

A twin agent electric rewind aluminum hose reel shall be provided with capacity for 100 ft. of twin agent hose. Hose rollers shall be provided for easy removal and rewinding of the hose. The rewind button shall be easily accessible to the operator. The reel shall include 100 ft. of 1" lightweight, molded twin agent hose and one (1) 1" Hydro-Chem™ nozzle with twin ball shut-off. The foam discharge shall be smooth bore design for unrestricted high-energy cold foam discharge. The dry chemical discharge shall be encapsulated within the high-energy cold foam to provide extended projection and precise application of the agent.

8.5 DISCHARGE SYSTEM

Discharge piping shall be compatible with the dry chemical and foam agent and provide the required turret/hand line flows with minimum friction loss. Rigid piping shall be stainless steel or brass, flexible piping shall include stainless steel fittings. Manual ball valves shall be installed at the twin agent reel for dry chemical and foam activation. A blend-air valve shall be conveniently located to adjust the foam expansion ration to 5:1 to 20:1 or more.

NO	COMMENT	YES

8.6 HIGH ENERGY COLD FOAM

A minimum of one (1) 400 cubic ft. air cylinder shall be dedicated for enhanced foam expansion and quality. The air injections system shall use a high volume regulator to allow for expansion ratios of 15 to 1 or more. The high-pressure stored air will be cooled to 32°F or less while passing through the regulator. The resulting foam shall consist of small, uniform bubbles cooled to near 32°F, thus producing thicker, long-lasting foam.

9.0 BUMPER TURRET

9.1 The bumper turret shall be constructed of a durable, lightweight aluminum alloy. Rotation gears shall be stainless steel and fully enclosed. The waterway shall be flow enhanced with internal vanes. The unit shall be capable of flows up to 300 GPM of high-energy cold foam. Vertical travel shall be 150 degrees and the horizontal travel shall be 180 degrees. Operation shall be 12 volt electric. The gear motor is to be fully enclosed and sealed. Swivels shall be double ball bearing races with stainless steel bearings. The unit shall be capable of a maximum working pressure of 300 psi.

9.2 A 2-axis joystick control shall be provided. Moving the joystick forward and back shall cause the nozzle to be moved up and down. Moving the joystick left and right shall cause the nozzle to be moved left and right. A joystick momentary trigger switch shall be provided for foam discharge with a separate toggle switch for continuous discharge. A thumb switch shall be provided for dry chemical discharge. A solid state, modular, load distribution relay system shall be used for maximum reliability. Wiring shall be color-coded and function coded with plug-in connectors.

9.3 This nozzle shall be Hydro-Chem™ twin agent type. Foam discharge shall be smooth bore design for unrestricted high-energy foam discharge. The dry chemical discharge shall be encapsulated within the high-energy cold foam to provide extended projection and precise application of the agent. Guarded toggle switches are required.

10.0 PRE-CONNECT HAND-LINE WITH PIERCING NOZZLE

10.1 One (1) pre-connect hand line with Akron Saberjet nozzle and 100 ft. of 1- 1/2 inch single jacket hose shall be provided, stored in a compartment for easy deployment. The pre-connect shall be piped to the pre-mix foam tank. A quarter turn ball valve shall be provided for charging the hand line. A 10 ft. length of 1-1/2 inch single jacket hose shall be attached directly to the ball valve to provide a coupling connection for adding additional hose.

10.2 A piercing nozzle (Flame-fighter Model 906) shall be provided for attachment to the pre-connect hand-line when needed. A quick opening ball valve shall be

provided with 3 ft. of 1-1/2 inch hose attached between the ball valve and the piercing nozzle for activating the piercing nozzle flow.

NO	COMMENT	YES

11.0 EMERGENCY WARNING EQUIPMENT

This vehicle shall be equipped with warning equipment to include the following items:

- 11.1 One (1) aerodynamic light bar on cab roof with red lens — Whelen C4002000 Centurion lightbar with Alley lights CDALY and Take Down lights CDTD2 on the bottom tier of the light bar. The outer sections of the lightbar shall each have red lenses. These sections shall also each have a halogen rotator with a V mirror. The center section of the lightbar shall have a clear lens and a halogen rotator with two V mirrors. The center section shall be blocked towards the rear to prevent white light from shining rearward. The center section shall be wired so that it turns off when the chassis transmission is in park or neutral in order to meet NFPA requirements for blocking mode.
- 11.2 One (1) 100 watt electronic siren with PA microphone — Whelen 295HFSA1 (or equal) The control head to be mounted in the communication organizer.
- 11.3 One (1) 100 watt siren speaker mounted at front of truck under the bumper and connected to the siren control head — Whelen SA314P (or equal).
- 11.4 Two (2) amber 50W halogen rotators to be mounted on the rear corners of the body mounted on top to be visible 360 degrees around the vehicle – Whelen RB6.
- 11.5 Two (2) LED lighthoods grille-mounted, two (2) LED lighthoods mounted on upper rear and two (2) LED lighthoods mounted above the rear wheels — (Whelen series 700 red in color with chrome plated housing kits).
- 11.6 Two (2) HID Pole Mounted Scene Light (A9710FM Marine HID 12V Lighting System 35W (3,200 lumens @ 3.2A) mounted using the Pole Mount Kit) (**Fire Research LT530 Side mounting/Bottom raising**). These poles mount to a vertical wall at the rear of the vehicle, on the front surface of the Crash Response 84” CA body, by "L-bracket" type castings. Used to deploy the lights from street level by pushing the light up. Final location to be determined between the contractor and the Authority.

www.jwspeaker.com

www.aps-supply.com



NO	COMMENT	YES

12.0 **WARRANTY**

12.1 Vehicle and fire fighting unit shall be covered under warranty for one year after delivery.

13.0 **FLIR CAMERA**

An infrared thermal imaging camera system for nighttime and low visibility shall be provided with a 46-degree field of view, attached to the bumper turret. A 10.4-inch flat screen monitor shall be provided in the cab. This system will have joystick control pan and tilt, in conjunction with the turret movement and may be used as a driving aid for poor visibility conditions.

14.0 **VEHICLE COMMUNICATIONS DEVICES**

The intent of this specification is to provide equipment with the following functionality. Both the vehicle operator and vehicle passenger will have the capability of monitoring and transmitting to both the airfield radio and also the local fire band radio. All equipment necessary, although not mentioned or described, should be included. **The installation/location of these radios should be coordinated with the Authority. All connections WILL BE soldered and shrink wrapped. Purchase and installation costs are the responsibility of the contractor.** A centralized center radio cluster may be needed to localize the radios for dual person usage. There should be external speaker(s) for monitoring both radios external of the cabin. An On/Off switch for the external speaker

NO	COM	YES

should be positioned in the cabin, mounted for vehicle operator usage. Both radios shall be 12volt, negative ground with their power supply through the vehicle’s electrical master disconnect switch.

Local Vendor/Installer information:

Airfield Radio:

Model: Bendix King KY-97A
 Mic: Shure 590T
 Mic Cord: Shure ALM-6
 Install Kit: Bendix King KY97A
 Antenna Kit: Andrew Corp. ASPC201L

Vendor: AVIONICS PLACE
 5257 FALCON RD.
 ROCKFORD, ILLINOIS 61109
 815-229-5360
 CONTACT: David Wright

Fire Department Radio:

Model: Vertex VX-4000
 250 channel, 50 watts
 With extended speaker and antennae coax cable

Vendor: KWIK KALL COMMUNICATIONS
 1008 ELM STREET
 ROCKFORD, ILLINOIS 61102
 815-964-7871
 CONTACT: Charles Brown

15.0 ACCESSORIES & VEHICLE WINTERIZATION

15.1 AIR PAK FIFTY SCBA

- (2) Air Pak Fifty SCBA 4.5 (including standard unit 202 edition w/quick connect, EZ Flo regulator, EBSS.
- (2) Scott 4500 PSIG 30 minute carbon cylinders.
- (2) Scott Pak Alert SE Factory Installed.
- (2) Scott AV 2000 Silicone Face Piece w/Kevlar.

15.2 WINTERIZATION OF VEHICLE

A WINTERIZATION KIT for the firefighting equipment should be included as

NO	COMM	YES

an option. Equipment should be able to be completely operational in all weather conditions indicative to Illinois weather. Vehicle should be able to withstand several hours of outdoor winter usage without complications or malfunctions due to freezing, frost, high winds etc.

15.3 CABIN ENTRANCE- SAFETY STEP (Running Boards)

Contractor to supply and install Safety Entrance Side Steps (running boards).

Running boards should not extend past the rear edge of the vehicle cab. Steps should be aluminum diamond plate (chrome) in design. Designed and installed allowing / assisting firefighting personnel into the cab taking into consideration the larger boots. Also, running boards should have a solid, end cap on both ends attaching the step plate to the cab. The forward end cap should be large enough to serve as a mud guard. The forward kick plate of the driver’s side running board may be used as the location for the charging receptacle as described in section 5.5.

15.4 WHEEL SIMULATORS

Contractor to supply and install Polished Stainless Steel Wheel Simulators-
 “Real Wheel-American Road Series Model # RW1900-2AK.”
www.realwheels.com

16.0 SPECIALTY EXTRICATION TOOL (FORCING TOOL)

Include in the tool category the following:

Manufacturer; TNT Rescue System, Inc.
 2490 West Oak Street
 Ashippun, Wisconsin 53003
 Phone: (800) 474-4189
 Fax. (902) 474-4477

One hydraulic extraction tool:

- | | |
|------------|-----------------------|
| Item: | Model Number |
| Power Unit | BF-6.5 |
| Spreader | S-100-28-LP |
| Cutter | C-20-LP |
| Ram | R-30-LP |
| Hose | 1 ea. EXT-H-30-LP-BLU |
| Hose | 1 ea. EXT-H-30-LP-RED |
| Chain Pkg | 1 ea. CP-10 |
| Extension | 1 ea. R-EXT-S |

NO	COMMENT	YES

17.0 TRAINING

Bidder shall make provisions for three (3) training sessions. The Airport Fire Station has (3) three working shifts. It is important to provide each shift with adequate training on the operations and functionally of the equipment. Additionally, video training tapes should be provided if available. On-site training may be video-filmed for local use.

Equipment maintenance, training, vehicle and apparatus manuals will be made available to the Authority, to the vehicle maintenance personnel. Three (3) sets of all operating, repair, and parts manuals will be provided at time of delivery.

18.0 OWNER INSPECTION VISIT TO MANUFACTURER PLANT

The Authority reserves the right to visit (with proper notification) any location where this vehicle or apparatus is being manufactured, assembled, or otherwise being constructed to meet this specification. Within 15 days of Notification of Award the bidder should receive a build/construction schedule for the entire vehicle. The Authority should be kept current as to any changes or events that may effect the shipping and/or delivery dates. Additionally, the contractor shall furnish two (2) all expense paid inspection tours for the Authority and/or his designee, to the place of manufacturing; (1) prior to when the apparatus is ready to be painted and all major construction is completed; and (2) prior to shipping to the Northwest Chicagoland International Airport @ Rockford (RFD). This shall **NOT** constitute acceptance of the vehicle, which will be completed in Rockford, Illinois.

FAILURE TO MEET THE BID LISTED DELIVERY DATES MAY RESULT IN CANCELLATION OF THE VEHICLE. CANCELLATION WILL BE WITHOUT ANY COST OR EXPENSE TO THE AIRPORT AUTHORITY.

UNACKNOWLEDGED OR UNACCEPTABLE DELAYS OF THE DELIVERY OF ANYTHING LESS THAN A FUNCTIONAL AND OPERATIONAL VEHICLE MAY RESULT IN CANCELLATION, WITHOUT PENTALY OR COST TO THE AIRPORT AUTHORITY, OF THE VEHICLE.