STATE OF NEW JERSEY
DEPARTMENT OF THE TREASURY
PURCHASE BUREAU
33 WEST STATE STREET
PO BOX 230
TRENTON, NEW JERSEY 08625-0230

NOTICE OF AWARD (NOA)

FOR

Tactical Response Truck, 35,000 Lb. GVWR with 17-1/2' Custom Van Body (T-2241)

Bid Number: 04-X-36489

Date Issued: 3/5/04

Using Agency
State of New Jersey
Cooperative Purchasing Members

This NOA consists of the following:

1. Original request for proposal (RFP) specifications
2. Information inserted in the above (as provided in the bid proposal by the contractors)
3. Vendor information sheet
4. Contract items by vendor
5. Contract items by price lines (in numerical order)

Note:

For information pertinent to this contract and all other New Jersey Motor Vehicle contracts (both road and off-road vehicles), visit the Motor Vehicle contracts website at the following address (lowercase):
http://www.state.nj.us/treasury/purchase/mvcontracts.htm

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SPECIFICATIONS

FOR

Tactical Response Truck, 35,000 Lb. GVWR with 17-1/2' Custom Van Body (T-2241)

Bid Number: 04-X-36489

1.0 INFORMATION FOR BIDDERS

1.1 PURPOSE AND INTENT

This Request for Proposal (RFP) is issued by the Purchase Bureau, Division of Purchase and Property, Department of the Treasury on behalf of the Department of Law and Public Safety, Division of State Police. The purpose of this RFP is to solicit bid proposals for Tactical Response Truck, 35,000 Lb. GVWR with 17-1/2' Custom Van Body.

The intent of this RFP is to award a contract to that responsible bidder whose bid proposal, conforming to this RFP is most advantageous to the State, price and other factors considered.

The Standard Terms & Conditions of this RFP will apply to all contracts or purchase agreements made with the State of New Jersey. These terms are in addition to the terms and conditions set forth in this RFP and should be read in conjunction with same unless the RFP specifically indicates otherwise.

The State intends to extend the awarded contract to the Purchase Bureau's cooperative purchasing partners. These partners include quasi-state agencies, counties, municipalities, school districts, volunteer fire departments, first aid squads, independent institutions of higher learning, County colleges and State colleges.

Although the State, with the assent of the vendor(s), is making the use of any contract resulting from this RFP available to non-State Agencies, the State makes no representation as to the acceptability of any State RFP terms and conditions under the Local Public Contracts Law or any other enabling statute or regulation.

1.2 BACKGROUND

This is the first time that an RFP has been developed to establish a term contract for the specified unit.

1.3 KEY EVENTS

1.3.1 QUESTIONS AND INQUIRIES

It is the policy of the Purchase Bureau to accept questions and inquiries from all vendors. Written questions should be mailed, e-mailed or faxed to the Purchase Bureau to the attention of the assigned Purchase Bureau buyer at the following address:

Attn: Manan Desai
State of New Jersey
Division of Purchase and Property
Purchase Bureau
PO Box 230
Trenton, New Jersey 08625-0230

E- Mail: Manan.Desai@treas.state.nj.us
Phone Number: (609) 984-6237
Fax Number: (609) 292-0490

After the submission of bid proposals, unless requested by the State, contact with the State is limited to status inquiries only and such inquiries are only to be directed to the buyer. Any further contact or information about the proposal to the buyer or any other State official connected with the solicitation will be considered an impermissible supplementation of the bidder's bid proposal.

1.3.1.1 QUESTION PROTOCOL

Questions should be submitted in writing to the attention of the assigned Purchase Bureau buyer. Written questions should be directly tied to the RFP by the writer. Questions should be asked in consecutive order, from beginning to end, following the organization of the RFP. Each question should begin by referencing the RFP page number and section number to which it relates.

Short procedural inquiries may be accepted by telephone by the Purchase Bureau buyer, however, oral explanations or instructions given over the telephone shall not be binding on the State. Vendors shall not contact the Using Agency directly, in person, or by telephone, concerning this RFP.

1.3.1.2 CUT-OFF DATE FOR QUESTIONS AND INQUIRIES

The cut-off date for questions and inquiries relating to this RFP is fourteen (14) days prior to the bid opening date.

1.3.2 MANDATORY SITE VISIT

Not applicable.

1.3.2 OPTIONAL SITE VISIT

Not applicable.

1.3.3 MANDATORY PRE-BID CONFERENCE

Not applicable.

1.3.4 OPTIONAL PRE-BID CONFERENCE

Not applicable.

1.4 ADDITIONAL INFORMATION

1.4.1 REVISIONS TO THIS RFP

In the event it becomes necessary to clarify or revise this RFP, such clarification or revision will be made by addendum. Addendum, if any, to this RFP will be posted to the Purchase Bureau website. It is the vendor's responsibility to check the website regularly between the time the RFP is issued to the bid opening date for any Addenda. The website is (lowercase): http://www.state.nj.us/treasury/purchase/bid/summary/bid.shtml

1.4.2 ADDENDUM AS A PART OF THIS RFP

Any addendum to this RFP shall become part of this RFP and part of any contract awarded as a result of this RFP.

1.4.3 ISSUING OFFICE

This RFP is issued by the Purchase Bureau, Division of Purchase and Property. The buyer noted in Section 1.3.1 is the sole point of contact between the vendor and the State for purposes of this RFP.

1.4.4 BIDDER RESPONSIBILITY

The bidder assumes sole responsibility for the complete effort required in submitting a bid proposal in response to this RFP. No special consideration will be given after bid proposals are opened because of a bidder's failure to be knowledgeable as to all of the requirements of this RFP. By submitting a bid proposal in response to this RFP, the bidder represents that it has satisfied itself, from its own investigation, as to all of the requirements of this RFP.

1.4.5 COST LIABILITY

The State assumes no responsibility and bears no liability for costs incurred by a bidder in the preparation and submittal of a bid proposal in response to this RFP.

1.4.6 CONTENTS OF BID PROPOSAL

The entire content of every bid proposal will be publicly opened and will become a matter of public record. This is the case notwithstanding any statement to the contrary made by a bidder in its bid proposal. All bid proposals, as public records, are available for public inspection. Interested parties can make an appointment to inspect bid proposals received in response to this RFP by contacting the Purchase Bureau buyer.

1.4.7 PRICE ALTERATION

Bid prices must be typed or written in ink. Any price change (including "white-outs") must be initialed. Failure to initial price changes shall preclude a contract award being made to the bidder.

1.4.8 JOINT VENTURE

If a joint venture is submitting a bid proposal, the agreement between the parties relating to such joint venture should be submitted with the joint venture's bid proposal. Authorized signatories from each party comprising the joint venture must sign the bid proposal. A separate Ownership Disclosure Form, Affirmative Action Employee Information Report, MacBride Principles Certification and business registration must be supplied by each party to the joint venture.

2.0 DEFINITIONS

2.1 GENERAL DEFINITIONS

The following definitions shall be part of any contract awarded or order placed as a result of this RFP.

Addendum - Written clarification or revision to this RFP, issued by the Purchase Bureau.

Amendment - A change in the scope of work to be performed by the contractor. An amendment is not effective until signed by the Director, Division of Purchase and Property.

Bidder – A vendor submitting a bid proposal in response to this RFP.

Contract - This RFP, any addendum to this RFP, the bidder's bid proposal submitted in response to this RFP and the Division's Notice of Acceptance.

Contractor - The contractor is the bidder awarded a contract.

Director - Director, Division of Purchase and Property, Department of the Treasury. By statutory authority, the Director is the chief contracting officer for the State of New Jersey.

Division - The Division of Purchase and Property.

May - Denotes that which is permissible, but not mandatory.

Request for Proposal (RFP) - This document, which establishes the bidding and contract requirements and solicits bid proposals to meet the purchase needs of [the] Using Agency[ies], as identified herein.

Shall or Must - Denotes that which is a mandatory requirement. Failure to meet a mandatory requirement shall result in the rejection of a bid proposal, as materially non-responsive.

Should - Denotes that which is recommended, but not mandatory.

State - State of New Jersey

Using Agency[ies] or Agency[ies] - The entity[ies] for which the Division has issued this RFP.

2.2 CONTRACT SPECIFIC DEFINITIONS

State Agency - Any department or Agency, which is a part of the New Jersey State government, such as the Department of Transportation, Department of Environmental Protection, Department of Corrections, Department of Human Services, Department of Law

and Public Safety and Department of the Treasury. For a complete list of all State Agencies, visit the State website at (lowercase): www.state.nj.us.

Non-State Agency - Any using Agency other than the State Agency. Any quasi-State Agency or political sub-division is a non-State Agency.

Unit - Vehicle ("truck", "product", "commodity" or "item") as listed in 1.1 of this RFP and specified herein.

GVWR - Gross Vehicle Weight Rating; the maximum legal weight carrying capacity of a vehicle, including its own weight, as published by the vehicle/chassis manufacturer. GVWR shall not exceed the sum of front and rear GAWRs.

GAWR - Gross Axle Weight Rating; the maximum legal weight carrying capacity of axle components, including their own dry weights, as published by the vehicle/chassis manufacturer. GAWR equals the capacity of the least rated axle component.

Dry Weight - Curb weight or tare weight of a vehicle - weight of an empty vehicle, without any payload, driver and passenger, with fluids filled to half capacity.

Payload - Weight carrying capacity of a vehicle, excluding its dry weight, driver and passenger. Payload, when added to dry weight, shall not exceed the GVWR. Payload is limited by the front or rear GAWR.

WB - Wheelbase, the distance between the centerlines of front and rear axles.

CA - Cab-to-axle, the distance from the back of cab to the centerline of rear axle.

BBC - The distance from the front bumper to the back of the cab.

BL - Body length, overall length less BBC

RBM - Resisting bending moment, a measure of chassis frame stiffness.

SAE - Society of Automotive Engineers

ASTM - American Society for Testing Materials

NJDMV - New Jersey Division of Motor Vehicles

FMVSS - Federal Motor Vehicle Safety Standards, as established by National Highway Traffic Safety Administration

3.0 COMMODITY DESCRIPTION/SCOPE OF WORK

3.1 CONTRACT UTILIZATION:

3.1.1 This RFP has been developed to establish a term contract to procure the specified units as a service to cooperative purchasing participants. It is anticipated that the Division of State Police will purchase one (1) unit.

3.1.2 Total amount of all contract purchases during the contract term listed on the cover sheet of this RFP (shown at the top of the cover sheet) is only an estimate. The State makes no representation and provides no guarantee as to the minimum, average or maximum volume of

purchase for this term contract. The State, however, reserves the right to bid for any specific large volume purchases during the term of this contract.

3.2 CONTRACT SPECIFIC REQUIREMENTS:

3.2.1 The bidder must be able to certify that it is a franchised and/or authorized factory representative and is able to furnish the specified unit. The State reserves the right to require that such certification be delivered within five (5) working days from the time it is requested.

3.2.2 Has the bidder, its parent company or any of its subsidiaries or related companies ever received a fine or other action of a disciplinary nature from the vehicle manufacturer represented by the bidder in this bid?

No

3.2.3 Has the bidder, its parent company or any of its subsidiaries or related companies ever been the subject of a claim by a public entity for violations of any contract provision, including price?

No

3.2.4 Manufacturer's Certificate:

Dealers or agents submitting a bid proposal may be required to submit a letter of certification from the manufacturer whose product is bid, certifying that the bidder is authorized by the manufacturer to bid the unit specified. It will be the responsibility of the manufacturer to notify the State of New Jersey of any changes in the status of the bidder franchise.

3.2.5 By submitting a bid proposal, the bidder covenants and agrees that it has satisfied itself that it fully understands its obligation and that it will not make any claim for, or have any right to cancellation or relief, without penalty, because of any misunderstanding.

3.2.6 The unit outlined in this specification is for a standard manufacturer's product line available to the general public. This RFP is intended to be non-restrictive to allow bidders to bid any unit make, which is equal in performance to the one specified herein.

3.2.7 A bidder shall provide a new unit only. No used unit is acceptable.

3.2.8 This RFP is for the outright purchase of the contract unit only; leasing of the contract unit or trade-in against the purchase of the contract unit is not permitted.

3.2.9 The bidder shall ensure that the manufacturer whose product is bid has a servicing dealer or service location within a reasonable distance from Trenton, NJ, deemed reasonable by the State, for warranty service and/or repair. The servicing dealer or location must be equipped with and able to deliver new spare parts within twenty-four (24) hours.

3.2.10 All components of each unit supplied under the contract established based on this RFP shall be identical, i.e., alternators, filters, distributors, etc.

3.2.11 Subcontracting is permitted. Any intent to subcontract must be described in 3.2.11.5 with a list of subcontractor(s), other than the prime unit manufacturer, who will supply or install all aftermarket options required. If the bidder is a dealer or distributor for the aftermarket equipment, the bidder must so state in 3.2.11.5 and will be solely responsible for the equipment, installation and warranty. If a bid proposal does not provide a subcontractor(s)' list and/or

dealer declaration, the State reserves the right to request such information from the bidder. The bidder must respond to such request within twenty-four (24) hours. If the information requested is not received within twenty-four (24) hours, the bid proposal shall be rejected.

3.2.11.1 The contractor is responsible for assuring subcontractor(s)' compliance with all terms and conditions of this RFP. The contractor will assume sole responsibility for any payments due the subcontractor(s). Nothing contained in the RFP shall be construed as creating any contractual relationship between any subcontractor(s) and the State.

3.2.11.2 The State reserves the right to approve the use of subcontractor(s) and all contractual agreements between the contractor and the subcontractor(s).

3.2.11.3 If a contractor desires to substitute any subcontractor(s) listed in the bid proposal, the contractor will so notify the State and provide the required information on the proposed subcontractor(s). The State reserves the right to reject any proposed substitute subcontractor(s).

3.2.11.4 The State reserves the right to demand the same information on any subcontractor(s) as is required from the bidder under this RFP.

3.2.11.5 List of Subcontractors:

Name, address, phone number, fax number and e-mail address of subcontractor(s):

None.

3.2.12 Post-Order Pre-Production Meeting and Inspections:

3.2.12.1 The contractor shall coordinate and attend a post-order pre-production meeting, if required by the ordering agency, at a location convenient to the ordering agency, to provide all necessary information prior to building any prototype unit or scheduling the production.

3.2.12.2 Only after the post-order meeting, if required by the ordering agency, and subsequent approval from the ordering agency shall the contractor begin the production.

3.2.12.3 The contractor shall coordinate with the ordering agency for a pre-paint inspection for each unit ordered, if required by the ordering agency.

3.2.12.4 The ordering agency reserves the right to inspect the unit at the contractor's facility or require that the unit be available for inspection at the agency site. If, during inspection at the agency site, it becomes apparent that corrections/alterations have to be made to the unit to comply with the contract specifications which cannot be accomplished at the ordering agency facility, the unit will be rejected and the contractor must transport the unit to its facility at no expense to the agency. After the unit is brought up to the contract specifications, it will be delivered back to the ordering agency for re-inspection at the expense of the contractor. For further pre-acceptance requirements, refer to 3.5 of this RFP.

3.2.12.5 For all inspections performed at the contractor's site, the contractor must provide a bay in the repair shop to facilitate the inspection of the unit.

3.2.12.6 The final inspection and acceptance of the unit shall be at the ordering agency.

3.2.13 Brand names: Brand names have been kept to a minimum in this RFP; but if a brand name is given, unless specified otherwise, the term "or approved equal" is considered to follow

the brand name. Wherever a brand name is used, it is meant to denote the minimum level of quality and performance. Any item supplied as an "equal" must be approved by the State during the bid evaluation and prior to an award. It should be understood that specifying a brand name, components or equipment in this specification shall not relieve the contractor from its responsibility to produce the vehicle in accordance with the performance warranty and contractual requirements, industry standards and practices, Federal and New Jersey Safety Standards and Regulations, Society of Automotive Engineers (SAE) standards and other applicable standards.

3.2.14 The bidder is required to have, and maintain throughout the contract term and any extensions(s) thereof, a service location responsible for delivery, inspection(s) and servicing of the contract units within a reasonable distance from Trenton, New Jersey, deemed reasonable by the State. Bidders may use a subcontractor's location to satisfy this requirement, provided such disclosure is made in the bid proposal. As stated in 3.2.11, any use of subcontractor(s) shall not relieve the contractor from its obligations under the contract established as a result of this RFP.

3.2.15 The State reserves the right to inspect the bidder's and/or subcontractor(s)' facility. This provision applies during the evaluation period, the contract term and any extension(s) thereof.

3.2.16 The bidder shall provide the vehicle as a certified low emission vehicle (LEV) or cleaner if available from the manufacturer at no extra charge.

3.3 VEHICLE SPECIFICATIONS - GENERAL PROVISIONS:

3.3.1 I M P O R T A N T N O T E: Each unit and its components shall be completely assembled, serviced and ready for use when delivered to the ordering agency. unless specified otherwise; any parts, components, equipment, controls, materials, features, performances, capacities, ratings or designs which are standard and/or necessary to form an efficient and complete working unit shall be furnished whether specifically required herein or not. Any item not specified herein but deemed necessary for the application shall be supplied and shall meet the industry standards and practices, Federal and New Jersey Safety Standards and Regulations, and SAE and other applicable standards.

3.3.2 Undercoating: The frame, fenders, underbody, cab, etc., except driveshaft, exhaust system and mechanical components, are to be completely undercoated. Undercoating to be composed of a non-volatile base, grit and abrasive free materials, dispersed in a petroleum solvent, which provides a homogenous formulation. All undercoating shall be applied to a uniform thickness with no bare spots.

3.3.3 Finish: See "Vehicle Painting" (3.4.2.40).

3.3.4 Weight:

NOTE: Bidders will supply the following information with the bid proposal. Failure to provide this information may disqualify the bid.

3.3.4.1 Dry Weight:

Estimated dry weight of the finished truck with all components installed:

Front axle----------9,000 lbs.

Rear axle----------14,000 lbs.

Total----------23,000 lbs.

Contractor must supply dry weight of unit and components at time of delivery, in the form of a weigh station weight slip, as follows:

Dry weight of finished truck with all components installed:

Front----------_____lbs.

Rear----------_____lbs.

Total----------_____lbs.

3.3.4.2 Bidder must complete the following chart at the time of submission of the bid.

Gross Vehicle Weight Rating Chart

Wheelbase: 186" Cab-To-Axle (CA): 120"

Front Component Ratings		Rear Component Ratings	
Component	Rating lbs.	Component	Ratings lbs.
Front axle	12,000	Rear axle	23,000
Front springs/ suspension	12,000	Rear springs/ suspension	23,000
Front tires/ rims	12,000	Rear tires/ rims	23,000

Front G.A.W.R. 12,000 Rear G.A.W.R. 23,000
(least rated front component) (least rated rear component)

G.V.W.R. 35,000 lbs.
(Total of front GAWR and rear GAWR)

3.3.5 Manuals: If available, the contractor shall supply one line set sheet for each unit. A unit shall comprise each and every assembly system and/or component. In addition to any line set sheet, the contractor shall provide the operation and maintenance manuals for each and every assembly system and/or component that makes up the unit. The contractor shall also include any other manuals that the manufacturers provide as the standard manuals.

Examples of, but not necessarily limited to, assembly system and/or component includes:

a) Engine
b) Drive system
c) Electrical system
d) Body

The manuals shall be delivered directly to the ordering agency, upon delivery of the first unit. Failure to supply these manuals shall hold up processing of invoices for payment.

3.3.6 Training: Complete instructions on the operation and maintenance of each unit and a demonstration on the operation of the unit shall be given by the contractor, if requested by the using agency. Training is to include driver training with instruction on proper operation of the vehicle. Basic preventive maintenance of the vehicle to also be included in this training session. This demonstration shall be a formal training session and shall be arranged with the contractor, conducted within two (2) weeks of delivery of the first unit, at the convenience of the ordering agency. The training session shall be conducted at the location of delivery or at any field location, within the State of New Jersey.

3.3.7 Guarantee/Warranty: The contractor must guarantee that the unit and all its component parts will comply with the current, applicable Federal Motor Vehicle Safety Standards (FMVSS) and New Jersey State motor vehicle code regulations, performs their functions adequately, and operates successfully without undue wear or vibration. The contractor agrees to immediately replace and install free of charge, any part that may break or fail by reason of defective material or workmanship within a period of one (1) year from the date of acceptance by the agency.

The successful bidder must supply the following at the time of delivery:

1. Diesel emissions approval sticker
2. Manufacturer's Certificate of Origin

Bidder to indicate standard guarantee which exceeds the specified one year period:

3.3.7.1 Cab and Chassis:

Coverage: Complete.

Warranty period: Two (2) years, unlimited mileage.

Parts and/or labor 100% covered. Yes.

Deductible: None.

3.3.7.2 Engine:

Coverage: Complete.

Warranty period: Five (5) years, unlimited mileage.

Parts and/or labor 100% covered. Yes.

Deductible: None.

3.3.7.3 Transmission:

Coverage: Complete.

Warranty period: Five (5) years, unlimited mileage.

Parts and/or labor 100% covered. Yes.

Deductible: None.

3.3.7.4 Corrosion:

Coverage: Complete.

Warranty period: Five (5) years, unlimited mileage.

Parts and/or labor 100% covered. Yes.

Deductible: None.

3.3.7.5 Body:

Coverage: Complete.

Warranty period: Lifetime or 100,000 miles to purchaser.

Parts and/or labor 100% covered. Yes.

Deductible: None.

3.3.7.6 Emergency Warning System:

Coverage: All Whelen Engineering Emergency warning products.

Warranty period: Two (2) years.

Parts and/or labor 100% covered. Yes.

Deductible: None.

3.3.7.7 Generator:

Coverage: Onan generator.

Warranty period: Three (3) years.

Parts and/or labor 100% covered. Yes.

Deductible: None.

Deviation or Substitution: None.

3.4 VEHICLE SPECIFICATIONS - TECHNICAL PROVISIONS:

3.4.1 35,000 Lb. GVWR Cab & Chassis, to Accommodate 17-1/2' Body (Price Line 1)

3.4.1.1 Application: A 35,000 lb. GVWR conventional cab and chassis shall provide the

foundation for the straight truck, for rescue and severe emergency service on mostly highway/city terrain. The chassis shall have set-back front axle.

3.4.1.2 Dimensions and Capacities (approximate):

GVWR---------35,000 lb.
BBC----------106"
CA----------126"
WB----------186"

Body Length----------17' 6"
Front Axle Set-back----------46"
Rear Frame Overhang-------7'

Overall Vehicle Length--------26' 4"
Overall Vehicle Height---------10' 4"
Overall Vehicle Width----------8' 3"

Top of frame to top of cab----------59 in. Minimum

Deviation or Substitution: None.

3.4.1.3 Axles:

Front - Type----------Heat treated forged steel I-beam
Capacity----------12,000 lbs.

Rear - Type----------One piece forged steel housing, single speed, single reduction
Capacity----------23,000 lbs.

Rear axle ratio----------nearest to 5.38, will be selected at the time of ordering, to yield 65 mph top speed with full load.

Bidder to list the rear axle ratio bid: 5.83

Bidder to list other available ratios, available at no extra charge:

Other ratios available upon request.

Deviation or Substitution: None.

3.4.1.4 Brakes:

Note: Brakes are to incorporate manufacturer's non-asbestos type brake linings.

Parking - Type----------Air, piggy-back spring actuated air released, with cab control.

Location----------Front or rear axle

Service - Type----------Air, heavy duty w/automatic slack adjusters.

Location----------All wheels

Air reservoir with 12 CFM capacity compressor, primary and secondary air pressure gauges, low pressure warning light and buzzer, and air dryer with automatic drain valve shall be provided. Drain valve to have a heater with thermostat and separate fuse in cab.

Anti-lock brake system shall be provided. The unit shall be equipped with reinforced nylon, fabric braid and wire braid air lines.

Deviation or Substitution: None.

3.4.1.5 Cab:

Type cab----------Conventional

Capacity - (2) personnel

Seats: Bucket type seats, mid-back, with 4-1/2" of total adjustment up and down and 4-1/2" of total adjustment fore and aft. Bostrom or approved equal. Both seats to be equipped with safety belts.

The unit is to be equipped with all steel with safety glass windows, fiberglass tilt nose and fenders, internal push-button door locks, external keyed alike locks, safety latches, windshield washers, dual electric horns, dual air horns, dual sunvisors, dome light, ashtray, dual armrests, tinted windshield, light switches and ignition (keyed alike door). Two complete sets of keys to be supplied.

Cab interior to be gray vinyl. Black mats with single insulation, floor mounted center storage console, cab silencer package, PTO controls with indicator lights and diagnostic interface connector to be provided.

Gauges----------Ammeter or voltmeter, oil pressure, water temperature, fuel, speedometer, odometer, tachometer and engine hour meter. All gauges to be calibrated in respective units.

Outside rear view mirrors (quantity)----2, with 8" convex mirror mounted below main mirror assembly. Mirrors to be mounted, one each side, retractable West coast mountings. Right hand down-view mirror to be provided.

Windshield wipers----------Left and right
Type----------Intermittent, electric
Capacity----------To be of sufficient capacity to handle continuous snow load.

Heater and defroster----------Heavy duty, fresh air type

Air conditioning----------Manufacturer's standard or optional

Outside grab handles----------Two (2), one each side of cab

AM/FM radio----------Manufacturer's standard

Deviation or Substitution: None.

3.4.1.6 Cooling System:

Radiator - Type----------Heavy duty increased capacity tubular type. System to be capable of maintaining a safe operating temperature over extended idling periods.

System to be protected with long-life coolant (ec-1) to -34 degrees F.

Deviation or Substitution: None.

3.4.1.7 Electrical System:

Alternator (volts)----------12
Alternator (amps)----------270
Starter (volts)----------12
Battery (quantity)----------3
Battery (volts) each----------12
Battery (CCA)----------2850 total cold cranking amps at 0 degrees F

Deviation or Substitution: None.

3.4.1.8 Reserved.

3.4.1.9 Engine:

Type----------4 cycle diesel
Horsepower----------300 HP
Torque----------800 lb. ft.

1000 watt/120-volt electrical block heater with chrome receptacle, mounted under driver-side door, shall be provided.

Exhaust----------Horizontal muffler, with vertical discharge pipe, single passenger side of vehicle. The exhaust system is to include heavy duty mounting brackets, elbows, piping, rain cap, expansion joints and aluminum heat shielding.

Single stage Donaldson air cleaner and restriction indicator to be provided.

Automatic engine shutdown with automatic override for low oil pressure and high water temperature. System to have low oil pressure and high engine temperature warning light, and audible alarm. The shutdown may be controlled by the engine's ECM.

Deviation or Substitution: None.

3.4.1.10 Frame:

Side rail - Type----------Channel

Resisting bending moment per side------1,200,000 lb.-in.

12" front bumper, chromed steel, and frame mounted tow hooks shall be provided.

Deviation or Substitution: None.

3.4.1.11 Fuel System:

Tank - Type----------Right side-frame rail mounted step tank
Capacity----------45 gallons

Note: Tank to be properly and clearly labeled: "Diesel Only". Unit to be delivered with fuel tank half full.

Spin-on fuel filter shall be provided.

Deviation or Substitution: None.

3.4.1.12 Steering:

Type----------Power, TRW TAS-65

19", or maximum available, steering wheel shall be provided.

Bidder to list steering wheel size bid: 18"

Deviation or Substitution: None.

3.4.1.13 Suspension:

Front - Type----------Taper leaf, Steel

Capacity----------12,000 lbs.

Rear - Type----------Steel leaf springs with auxiliary stabilizer

Capacity----------23,000 lbs.

Heavy duty front shock absorbers to be included.

Deviation or Substitution: None.

3.4.1.14 Transmission:

Main - Type----------Automatic - Allison 3000 EVS
Speeds (Fwd)----------5
Speeds (Rev)----------1

The transmission is to be programmed for fire and emergency severe service.

Push-button electronic shift control, dash mounted, to be provided.

Transmission oil cooler and right hand side PTO to be provided.

Deviation or Substitution: None.

3.4.1.15 Wheels:

Type----------Disc, hub piloted.
Size----------22.5 X 8.25, 10-H

Deviation or Substitution: None.

3.4.1.16 Tires:

Type----------Tubeless, radial, highway tread on front and traction on rear
Size----------11R22.5
Ply rating----------14

Deviation or Substitution: None.

3.4.2 17-1/2' Custom Van Body

3.4.2.1 Body Construction:

Body exterior shall be aluminum.

Frames: The module body shall consist of an electric welded, unitized aluminum roll cage structure throughout. The framework shall consist of six individual frames that are constructed in such a manner to insure squareness and flatness before being assembled into a box configuration.

Material: All material used on any frame member, corner and upper cove shall be high strength aluminum alloy. This alloy shall be 6061-T6.

Welding: All welding done on any part of the frame structure shall be done in accordance with the latest applicable standards, including AWS standards. All butt welds shall have 100% weld penetration using a filler wire approved for the aluminum alloy used.

Floor Frame: The main floor structure shall consist of a primary load bearing support frame. The frame members are to be 3" x 3" x .375". The secondary support frames of the floor frames are to consist of 2" x 3" x .250" and 1-1/2" x 3" x .1875" square wall tubular aluminum. Areas between exterior compartments and sub-floor support members are to be 2" x 3" x.250.

Vertical Frames, Left and Right Sides: The vertical left and right side frames shall consist of heavy duty aluminum extrusion members. The vertical corner and horizontal upper "Main Beam" shall consist of an extrusion member of 5-3/4" x 3-7/8" x .1875". Built into the inside edge of the vertical and horizontal section shall be an area where the exterior door seal shall mate. This door jam area shall be designed into, and be part of the main corner extrusion. Door jam sections which are welded in place are unacceptable due to the possibility of the welds cracking which in turn leads to door and or exterior paint cracking and failure. The inside door jam which is part of the structural member (not a welded section) is to be 1" x 1-1/4" x .1875". This door seal and jam section shall be recessed behind the exterior surface of the body approximately 7/8" to allow for the door seal to be placed outboard of the door latches and provide for a full uninterrupted hollow core door seal mounted on every door. Each door of the vehicle shall seal on this integrated section of the extrusion. The FMVSS 206 Rated door closure bolt shall be mounted directly to this structural member and not to a welded door jam section. Door alignment shall be maintained by discrete alignment grooves extruded in the custom shape. This feature eliminates the need for excessive adjustment allowance. The area of the structural member which is in contact with the roof box beams is to incorporate a 1/2" flange to carry the load of the roof structure and resulting static load when applied. This support flange is utilized to prevent the need for the roof and roof structure to be held in place by the welds only.

The main support, structural members around the door openings shall incorporate a built in door seal and jam surface similar to the one found around the main corner extrusion. Doors which are placed in the modular body which are not adjacent to any other door shall utilize an extrusion with the overall dimensions of 3" wide x 2" deep. This extrusion shall form the two vertical and two horizontal door seal, and jam surfaces. Doors of this type which are placed on the forward most or rear most positions of the body, shall utilize the main corner extrusion with its built in door seal to act as one side of the structural door seal and jam surface. For the same reason a door which extends the full height of the modular body shall utilize the upper most main corner extrusion for the top horizontal door seal and jam surface. Door configurations which have two doors adjacent to one another shall utilize a structural body extrusion of 4" wide x 2" deep. Between each door shall be a minimum of a 2" structural wall and floor support. Two adjacent compartments are to include this 2" structural member. This member is to incorporate two built-in door sealing surfaces without the need for welding additional parts.

The remaining structural members of the vertical side frames shall utilize 2" x 2" x .125" wall and 1-1/2" x 2" x .125 wall structural box beam members. All members of the side vertical frames shall be placed at a maximum of 16" center. Closer spacing shall be utilized in areas of critical strength requirements. Along the floor line shall be 2" x 1-1/2" x .1875" structural angle attached to the side frame, which then shall be fully welded to the floor frame. These members shall act as the main attachment point for the side frames, and allow for full welds at these critical locations.

Vertical Frames, Front and Rear: The front and rear frames shall be fabricated utilizing the same main structural corner extrusion as the side vertical frame along the horizontal top edge. The remaining structural members of this frame shall utilize 2" x 2" and 2" x 1-1/2" x .125" structural box beam members. These structural members shall be placed on a maximum of 20" center. A closer spacing shall be utilized in areas of critical strength. The door openings shall be exactly as specified for the doors located on the vertical side frames.

Roof Frame: The roof frame of the vehicle shall be fabricated from 2" x 2" x .125" and 2" x 1-1/2" x .125" box beam structural members. The transverse frame members shall be spaced a maximum of 12" center.

Module Assembly: The six frames shall be assembled into a module - including the floor, front, rear, two sides and roof subframe before any of the exterior skin is applied. The structural framework shall be a self supporting body and not require the use of the exterior skin for structural integrity. The framed body, without the skin, shall be capable of supporting the roof of the vehicle which in turn shall be capable of supporting 5000 pounds for use as a command platform if required. The full perimeter welding and center bonding of the exterior panels shall enhance the overall strength of the modular body.

Exterior Panels: The two sides, front and rear shall be covered with .1875" thick 5052-H32 stretcher leveled aluminum sheet. The center areas of the sheets shall be applied using "Very High Bond" structural bonding tape. Before any tape is applied to the structure, both the sheets and the structure shall be thoroughly cleaned with an appropriate solvent. No welding shall be done on any sheets in the center where weld dimple can be seen. Full or skip welded skins without the use of structural bonding tape is not acceptable.

Corner and Roof Corner Extrusions: The exterior body corners and coves shall be an extruded aluminum section made of 6061-T6 aluminum. Both the corners and roof corner extrusions shall have a 1-5/8" radius hollow extrusion design with an inside flat mating surface. The exterior surface shall be designed to form a smooth transition at all corners of the body. The corners shall be designed in such a way as to provide an interlocking surface with the "Main Beam" extrusion. This surface contact shall provide a weld surface to attach the corners to the

main beam. The process of attachment shall include threaded mechanical fasteners to pull the two surfaces tight prior to the welding. This provides a completely tight interface surface. To enhance the corner waterproof integrity a recessed sealant groove shall be incorporated into the exterior flanged surface which is in contact with the body and roof exterior panels. This groove allows the surfaces to be sealed to prevent water infiltration and prevent corrosion. The corners shall be designed so they are NOT a structural component of the body, but means to provide a smooth exterior transition and water tight surface.

Corner Castings: The upper four corners of the module shall have a cast aluminum ball corner that matches the radius of the corner extrusions. This ball corner shall be completely welded in place to prevent water leaks and finished to have a smooth transition at the corner.

Wheel Well Housings: Wheel well housings shall be designed to chassis manufacturer recommended clearances. The inner well shall be formed to follow the contours of the wheel and be fabricated from 0.125" aluminum sheet, and extend down to the lower body skirt level. Tolerances shall include clearance for full tire chains. All wheel well housings shall be completely sealed and undercoated prior to mounting the body.

Interior Headroom, Walk-In: The headroom clearance from the finished floor to the overhead ceiling panel shall be 76".

Body Mounting: The modular body shall be secured by high strength 5/8" U-bolts, positioned to prevent any side movement of the body. The forwardmost pair of U-bolts shall be spring-loaded. A 5/16" rubber isolator material shall be installed between the body frame and the chassis. The isolator shall be installed between a 1" x 3" aluminum bar completely welded to the underside of the floor frame and the chassis frame rails. It is required that the vehicle has the lowest possible height.

Exterior Fasteners: All fasteners used on the exterior of the vehicle body shall be high quality stainless steel. Stainless steel fasteners shall include machine screws and heavy-duty nuts and bolts. Rivets and similar fastening devices shall not be used in the construction of the vehicle.

Rear Entrance Doors: The rear doors of the vehicle shall be flush with the rear of the vehicle.

3.4.2.2 Roof Construction:

Roof Sheet, Aluminum Diamond Plate, .1875": The roof sheet shall be fabricated from NFPA compliant non-skid .1875" polished aluminum diamond plate. The roof sheet shall be fully welded to the roof sub-frame from the inside. Any seams and the outside perimeter of the roof sheet where it meets the upper cove shall be 100% welded to eliminate the need for caulks or sealers and the possibilities of water leaks into the body.

Roof Access Hatch: A 20" square roof access hatch shall be installed on the roof of the vehicle. The roof hatch shall be manufactured by Bomar Nibo, Model #1039-10A, and include both an emergency exit hatch and a partially open ventilation position. The opening added to the vehicle roof shall reinforced and finished with inner trim panels.

3.4.2.3 Personnel Entrance Door Construction: All personnel entrance doors shall be constructed of 6061-T6 aluminum alloy extrusion, used in combination with a "Bent Box Pan" exterior door panel. The bent exterior door panel shall be fabricated from .1875" thick 5052-H32 stretcher leveled aluminum sheet. Each door pan shall be manufactured with a 3/4" sharp inside corner bend to minimize outside bend radius. The custom extrusion shall have a 45-degree miter cut and fit into the 3/4" recessed area of the pan. The extrusion shall be fully welded to the door pan along the entire perimeter in addition to 100% welding on the outside

corners of the door pan. The door shall have an overall dimension of 2 1/2", with the primary door seal being mounted to the door at the 3/4" dimension of the door exterior pan. The door latching hardware shall be mounted inboard of the seal in all cases. The door shall have gussets welded from the inside and shall be reinforced in areas where windows are to be installed and for areas where heavy objects might be hung from them.

The door extrusion shall be designed in such a way that provides two surface grooves which are used for proper alignment of the door hardware concealed within the door. The grooves shall be used for proper in-out placement of the hardware so that proper alignment is always maintained. All slots and cutouts required for the rotary latches shall be machined or stamped prior to the construction of the door.

Door configurations requiring double doors shall utilize a structural member attached to the adjoining edge of the second opening door. This structural member shall match the seal surface of the door jams on the balance of the door opening. This member shall be welded in place and be a permanent member of the door.

Door Seals: The door shall incorporate a continuous unbroken seal permanently attached around the entire perimeter of the door. Automotive latching hardware shall not interrupt the seal surface. The seal shall be a custom designed hollow core seal specifically designed for hinged doors. It shall be a "dynamic" type seal with vent holes on the outside edge to allow for easier closing of door against seal. Flat open or closed cell solid rubber "static" seals are not acceptable for hinged doors.

Door Hinges: Each door shall be hung with stainless steel continuous hinges. The hinge shall have a 1/4" pin which is staked every six inches to prevent the pin from sliding. The hinges shall be held to the door and to the body using 1/4-20 stainless steel threaded machine fasteners every 4", on both sides. All hinges installed on the body shall include a Dielectric barrier between the dissimilar stainless steel hinge surface and the painted aluminum body. Only dielectric tape specifically designed for this purpose is acceptable. The tape shall have a dielectric barrier of .0035" and have a dielectric strength of 10,000 volt.

Door Latch Hardware: All doors used for personnel access shall utilize two latches, one located on the top of the door and the other at the bottom.

All rotary slam latches shall be activated by adjustable steel rods. All door hardware and rod assemblies shall be designed to minimize hardware rattle.

All door hardware, including rods and latches, shall be concealed within the inner door panel.

Anodized Aluminum Drip Moldings: Anodized extruded aluminum drip moldings shall be installed above all exterior entrance doors. The moldings shall be attached without the use of unsightly screws and shall be easily replaceable if damaged. This molding shall direct excess water away from the compartment and entrance door opening.

Door Sweep Gasket: All modular body entrance doors shall be equipped with a door sweep rubber gasket. The rubber shall be attached to the top of the door and prevent water from collecting on the top of the door extrusion and dumping on the operator when the door is opened. The gasket/sweep material shall be installed in such a way as to prevent being torn off and increase its sealing potential when hit with a stream of water.

Locking Rear Single Entrance Door With Paddle Handle: The rear entrance door shall have a stainless steel, locking, paddle handle. The handle shall have a spring return built into handle

to allow handle to return to resting position. The handle shall activate the steel rods as described.

This door shall utilize two automotive rotary latches per door. All latches shall be activated by corrosion resistant steel rods with adjustable ball joint swivel ends. All rods shall include an anti-rattle device to prevent noise.

Gas Spring Door Holder, Entrance Door: All entrance doors shall incorporate a pneumatic gas spring door holder. The mounting bracket, piston end for the door side, shall be secured to the 1/4" gusset welded within the door. The door holder gas spring end shall be attached to a structural angle attached to the upper door header. The gas spring shall be installed with a 10-degree pitch downward to improve function and extend life of gas spring.

Stainless Steel Protection Plates: Heavy-duty stainless steel protection plates shall be installed on the lower edge of all entrance door openings. The plates shall be a formed polished stainless steel angle with dimensions of 1/2" x 1" on the lower edge of the door and a second formed angle at the sweep out level of the compartment floor. The stainless steel angles shall be full width of the door opening. The angle plates shall be permanent mounted without the use of screws and be removable for any replacement. All edges shall be filed and de-burred for a finished appearance.

3.4.2.4 Stepwell Compartment: Inside the entrance door shall be a recessed stepwell compartment. The compartment shall extend into the body and be the full width of the entrance door. The vertical sides of the compartment shall be fabricated from polished aluminum diamond plate. The sub-floor of the compartment shall be fabricated from 3/16" aluminum plate to provide a heavy-duty walk surface which will not flex under foot. The upper edge where the stepwell meets the flooring material shall include non-slip polished aluminum threshold trim which is screwed in place. An intermediate Grip-Strut step shall be welded to the side of the stepwell to act as an additional step.

3.4.2.5 Exterior Compartment Doors:

Door Construction: See "Entrance Door Construction"

Door Seals: See "Entrance Door Construction"

Door Hinges: See "Entrance Door Construction"

Door Latch Hardware: Every door shall utilize two (2) automotive type rotary slam latches, one located on the top of the door and the other at the bottom. The latches shall meet FMVSS 206.

All rotary slam latches shall be activated by adjustable steel rods. All door hardware and rod assemblies shall be designed to minimize hardware rattle.

Compartments that require double opening doors shall incorporate two (2) point latches on first closing door in addition to second closing door. The latches shall be activated by an inside 4" lever handle and corrosion resistant steel rods.

All door hardware, including rods and latches, shall be concealed within the inner door panel.

Anodized Aluminum Drip Moldings: See "Drip Moldings" in "Entrance Doors"

Compartment Door Bumpers: Heavy-duty screw on type rubber bumpers shall be installed on all compartments that may come in contact with one another.

Compartments L2, L3, R2, R3, and R4.

Compartment Door Handles: All compartment door handles shall be stainless steel, locking, Hansen 6" bent D-Ring handles. The handles shall have a spring return built-into handle to allow handle to return to resting position. The handle shall activate the steel rods as described.

All doors shall utilize two (2) automotive rotary latches per door. All latches shall be activated by corrosion resistant steel rods with adjustable ball joint swivel ends. All rods shall include an anti-rattle device to prevent noise.

Gas Spring Vertically Hinged Compartment Door Holders: All hinged compartment doors shall incorporate a pneumatic gas spring door holder. The mounting bracket, piston end for the door side, shall be secured to the 1/4" gusset welded within the door. The door holder gas spring end shall be attached to a structural angle attached to the upper door header. The gas spring shall be installed with a 10-degree pitch downward to improve function and extend life of gas spring.

Double Door Compartment Door Handles: Each exterior compartment door shall include an exterior release handle in double door compartments, to eliminate the need to reach inside to release the second opening door.

Compartment Door Panels: Interior door panels on compartment doors shall be made of .125" polished aluminum diamond plate held on with threaded fasteners that provide access for repairs or replacement of hardware.

Roll-Up Exterior Compartment Doors: All doors as listed in the compartment description as roll-up doors shall be "Roll-O-Matic" Robinson shutter-type. The doors shall have an anodized aluminum finish, full length door seals and nylon shoes on every slat. The doors shall be configured in each compartment with the front roll design, and a full front lift bar. The lift bar shall have an integral proximity door switch mounted in the handle of the lift bar release mechanism. Each door shall include a full length drip rail above each door, to aid in rain runoff.

The doors shall be key locking.

Compartments L1 and R1.

Roll-up door tracks to have anodized finish.

3.4.2.6 Exterior Compartment Layout:

All compartment dimensions are approximate.

Left Side Compartment Layout:

<u>Left Side L-1:</u>

Compartment L-1: Left side, 36" wide x 88" high x 26" deep, transverse above floor.

Compartment to have roll-up door.

Floor extended to door.

Left Side L-2:

Compartment L-2: Left side, 40" wide x 14" high x 26" deep.

Compartment to be slide out drawer type.

Left Side L-3:

Compartment L-3: Left side, 38" wide x 14" high x 26" deep.

Compartment to be slide out drawer type.

Right Side Compartment Layout:

Right Side R-1:

Compartment R-1: Right side, 36" wide x 88" high x 26" deep, transverse above floor.

Compartment to have roll-up door.

Right Side R-2:

Compartment R-2: Right side, 40" wide x 14" high x 26" deep.

Compartment to be slide out drawer type.

Right Side R-3:

Compartment R-3: Right side, 58" wide x 62" high x 26" deep.

Compartment depth to be reduced by recessing of SCBA brackets in interior.

Compartment to be lift up type.

Right Side R-4:

Compartment R-4: Right side, 38" wide x 14" high x 26" deep.

Compartment to be slide out drawer type.

Compartment Floor Extended to Door: The compartment floor shall be extended to the exterior compartment door at the same level as the center transverse area.

Drop Frame with 2" Receiver/Towing System: Incorporated into the rear of the vehicle shall be a 2" receiver/towing system. The system shall include steel reinforced members attached to the vehicle chassis frame which extend to the rear of the vehicle. The system shall terminate under the rear bumper to a 2" x 2" receiver, to accept a large eye bolt or a trailer hitch. The system shall be designed for a 10,000 Lb. maximum perpendicular pull force.

Rated for 10,000 max. perpendicular pull force.

3.4.2.7 Exterior Compartment Construction: The exterior compartments shall be heavy duty and fabricated from fully enclosed aluminum sheets. Each compartment shall be its own

independent unit with two sides, rear, top and bottom, and not share a common wall with an adjoining compartment. All seams of the compartment shall be continuous one-piece bend or 100% welded along all compartment box seams. Overlapping caulked seams are unacceptable. Each compartment unit shall be welded to the inside of the structural door jam. All compartments shall incorporate a flush sweep out design.

Compartment Structural Reinforcement: All compartments below floor level shall incorporate (2) channel support systems. Each support system shall consist of a full width 3" x 1-1/2" x 1/4" aluminum channels welded to two additional 3" x 1/4" straps welded on the vertical sides. These two support systems shall be installed prior to the compartment and shall act as the main compartment support.

Compartment Capacity: All compartments adjoining side structural frames shall be rated to 1,500 lbs. total capacity.

Compartment Material: The material used for the compartment construction shall be .1875" aluminum.

Exterior Compartment Finish: The rear and two side walls of the interior surface of the exterior compartments shall be fabricated from polished aluminum diamond plate panels.

Compartment Venting: All exterior compartments shall be vented utilizing a minimum of one 10" x 5" diamond plate louver vent in each compartment. Each vent shall be placed to prevent water splash or be baffled to eliminate any entry of water into the compartment.

Compartment Shelves, Adjustable: All adjustable shelves in the exterior compartments shall be fabricated from .1875" aluminum sheet, with 2" flanges on the front and rear sides. The shelves shall be mounted to heavy duty UNISTRUT shelving standards to allow for full adjustment to within six inches of both the floor and ceiling. All shelves shall be capable of supporting a 500 lb. minimum load

Quantity: (1).

Compartment Selves, Fixed: Fixed mounted roll-out trays with 300 lb. maximum capacity shall be provided.

Quantity: (1).

3.4.2.8 Bumper, Stone Guards and Rub Rails:

Rear Bumper, 10": A full-length reinforced rear bumper shall be installed on the rear of vehicle. The bumper shall be fabricated from 3" aluminum channel and securely bolted to the vehicle frame using high strength, grade 8, 1/2" bolts. The bumper shall have contoured ends and be covered with polished aluminum diamond plate end caps. The bumper shall extend approximately 10" from the body.

The bumper shall incorporate a design that allows it to be recessed under the rear of the body.

Rear Riser Panel: A 2" polished aluminum diamond rear riser panel shall be installed above the rear bumper and below the rear door. The panel shall fit flush on all sides and not appear to be an add-on part. The riser panel shall be removable.

Front Stone Guards: Aluminum diamond plate stone guards, .125", shall be installed on the front body corners. The guards shall be one piece & contoured to fit the 1-5/8" outside radius of

the body. The stone guards shall be removable for repair in event of damage. The edges of the diamond plate panels shall be sealed with a closed cell gasket around the perimeter, to prevent moisture from getting behind panels.

Front stone guards to be full height up to, but not including, the cove.

Front Body Panel: Aluminum diamond plate front body panel, .125", shall be installed across the front body between the front body stone guards. The body panel shall be removable for repair in event of damage. The edges of the diamond plate panels shall be sealed with a closed cell gasket around the perimeter, to prevent moisture from getting behind panels.

Front diamond plate to be full height up to, but not including, the cove.

Rear Stone Guards: 4" high polished .125" aluminum diamond plate stone guards shall be installed on the rear body corners. The guards shall be one piece and contoured to fit the 1-5/8" outside radius of the body. The stone guards shall be removable for repair in event of damage. The edges of the diamond plate panels shall be sealed with a closed cell gasket around the perimeter, to prevent moisture from getting behind panels.

Rear stone guard height to be even with the rain gutter of the rearwardmost compartment.

Diamond Plate Rub Rails: Heavy duty polished aluminum diamond plate rub rails shall be installed on the lower body skirt panels under the door line. The rub rails shall be fabricated from aluminum sub tube with 45-degree mitered ends. The ends shall be capped and then fitted with a Heliarc welded aluminum diamond plate cover. The rub rails shall be bolted on, in a manner that no fasteners will show to the exterior of the body.

3.4.2.9 Exterior Trim:

Rear Wheel Fenderettes: Polished stainless steel, rolled fenderettes shall be installed around the rear wheel opening. They shall be sealed and sized to allow for proper tire clearance. The fenderettes shall be bolted on for easy removal. Exposed mounting hardware is unacceptable. All hardware shall be concealed.

Rubber Mud Flaps: Rubber mud flaps shall be provided behind the rear wheels of the vehicle. They shall be heavy duty truck type and bolted to the inner fender liners of the modular body, behind the rear tires.

License Plate Holder: A recessed Cast Products polished aluminum license plate holder shall be installed in the rear body panel of the vehicle. It shall also include two (2) recessed license plate lights activated with the parking lights of the vehicle.

2" Receiver Tube for Trailer Hitch: A 2" receiver tube type trailer hitch shall be installed through the rear step bumper. The trailer hitch shall be bolted to the vehicle chassis frame with grade 8 bolts. A male & female electrical connector shall be provided one permanently attached to the rear step and the mating part shipped loose to attach to trailer.

A pintle hook shall be supplied for use in the 2" receiver tube.

Grab Rail: A knurled grab rail shall be installed on the rear of the body. The grab rail shall be held on with threaded fasteners mounted directly to the structural members of the body.

Location: One vertical rear body 36".

3.4.2.10 Additional Exterior Equipment:

RV Pull Out Step: The vehicle shall be equipped with an RV type manually extending step, approximately 18" wide. The step shall be mounted to the reinforced members of the lower modular body.

Body Undercoating: The entire underside of the modular body, including all frame members, compartment lower panels and aluminum subfloor, shall be undercoated. The undercoating shall be applied to insure proper and complete coverage. The undercoating shall be a high quality automotive type.

3.4.2.11 Exterior Body Windows

Sliding Rear Door Window: A 18" W x 22" H window shall be installed in the rear entrance door. It shall have sliding tinted automotive safety glass and be mounted within an aluminum black anodized frame. The window shall be completely sealed and held to the door via an inside clamp ring which shall match the exterior of the window. The window shall also incorporate a sliding removable screen.

Glass is to have 31% factory tint.

3.4.2.12 Interior Walk-In Modular Body:

Cabinet Construction: The interior cabinets of the vehicle shall be completely constructed aluminum. The exterior walls of the cabinets will be made of .1875" thick aluminum and the interior walls will be .125" thick. The cabinets shall be securely fastened to the body framework.

All outside edges of cabinets shall be finished with anodized aluminum three quarter round moldings. The molding shall have dimensions of approximately 3/4" x 3/4" and will be held in place with recessed screws.

Adjustable Shelves: All adjustable shelves within the interior cabinets shall be mounted to heavy-duty shelving standards. Each cabinet shall be equipped with four adjustable standards for each cabinet and have four (4) retaining clips for each shelf. The shelf will have two (2) securing screws attached to retaining clips. The shelf shall be the full width and depth of the cabinet, have a 1" lip on the front edge, and shelf shall be finished to match the interior surfaces of the cabinet.
Hinged Doors: All hinged doors shall be equipped with a full-length piano hinge and a positive latching device to prevent opening while in motion. All surfaces of the door including the edges shall be finished to match the interior of the vehicle cabinets.

Soffit Trim: A vinyl covered soffit trim piece shall be installed around the perimeter of the interior cabinets where they meet the ceiling. This trim shall be added to allow access to the cabinet mounting bolts and provide a finished transition between the ceiling and cabinet surfaces.

Insulation:

Modular Body Insulation: The entire inside surface of the modular body, including walls and ceiling, shall be insulated. Areas behind heat generating light fixtures shall not be insulated. The insulation shall completely fill the voids between the frame members and the exterior skin.

In addition to the modular body insulation the interior surfaces of the rear wheelwells and the exterior surface of the side entrance door stepwell shall be sound deadened with a composite

acoustical sound deadening material, specifically designed for the reduction of transmitted sound in single skin aluminum panels.

Modular Body Entrance Door Insulation: All exterior entrance doors shall be sound deadened with a composite acoustical sound deadening material. The entire exterior skin surface of the interior door shall have this material bonded to it. In addition the modular personnel entrance doors shall have an additional thermal insulation of 1-1/2" styrofoam bonded in place, with clearance for door hardware.

Interior Walls:

Walls, Brushed Aluminum: All walls of the vehicle shall be fabricated using .1875" brushed aluminum panel. All walls shall be held on using threaded fasteners and finished with anodized aluminum moldings in all corners and edges.

Interior Ceiling: The ceiling of the vehicle shall be covered with heavy-duty white Kemlite, reinforced fiberglass panel. All ceiling panels shall be held on using threaded fasteners.

Interior Walls Below Counter: The side walls of the interior walls below counter height shall be fabricated from brushed aluminum panels. All outside edges along the top or sides of the panel shall be finished with anodized aluminum trim.

Counter Tops: The open counter top areas of the interior shall be fabricated from .125" brushed aluminum panels. All edges of the counter top shall be finished with anodized aluminum trim.

3.4.2.13 Left Side Cabinet Layout:

Left Interior Cabinet, I-L1:

Left side forward upper cabinet to have sliding plexiglass doors.

Left Interior Cabinet, IL-2:

Left side forward lower cabinet to have sliding plexiglass doors.

Left Interior Cabinet, IL-3:

Left side mid-body cabinet to have brushed aluminum doors.

Left Interior Cabinet, IL-4:

Left side rearward cabinet to have brushed aluminum doors.

3.4.2.14 Right Side Cabinet Layout:

Right Interior Cabinet, IR-1:

Right side forward cabinet to have brushed aluminum doors.

Right Interior Cabinet, IR-2:

Right side rearward cabinet to have brushed aluminum doors.

3.4.2.15 Interior Cabinet Equipment:

Electrical Storage Cabinet: An area on the interior of the vehicle shall be designated for interior storage of the vehicle's main 12-volt power distribution panel. The cabinet shall be installed in a location as listed below:

Rear Switch and Control Panel: An area on the interior of the vehicle shall be designated for the rear switch and control panel. The cabinet shall be installed in a location as listed below:

Rear Climate Control Unit: An area on the interior of the vehicle shall be designated for the rear climate control unit. The cabinet shall be installed in a location as listed below:

Modular Body Raceway Covers: The vehicle's main modular body electrical harnesses shall be installed in protected locations a listed below:

Location: Along outside walls of body.

3.4.2.16 Seating:

Flip-Up Seat: The interior of the vehicle shall be equipped with spring-loaded flip down seats. The seat shall include a double arm seat iron painted to match the interior of the vehicle. The seat shall include a 2" thick padded seat cushion and a 1" thick padded backrest. The seat and seat belt shall be bolted to the structural members of the body.

Ziamatic Walk-Away Bracket: A Ziamatic Walk-Away bracket shall be installed to store SCBA complete assembly. The bracket shall be equipped with a hold down strap to secure the equipment and the unit shall be bolted to the wall to prevent movement.

Quantity: (4) Walk-Away Brackets.

Seat Belts: Seat belts shall be installed, and mounted at all personnel seating locations. All seat belts shall have enclosed, automatic locking retractors with push button releases. All seat belts and seat belt mounts shall be tested to FMVSS 210.

3.4.2.17 Interior Surface Finishes and Colors:

Interior Colors: The interior color of the interior cabinets shall be brushed aluminum where required. The color of the upholstery shall be a Black vinyl.

Heavy Duty Upholstery: All upholstery used in the vehicle shall be high quality automotive grade vinyl upholstery. All upholstery material shall meet the requirements of FMVSS 302.

3.4.2.18 Map Board:

Pull-Out Writing Surface: A pull out writing surface shall be supplied and installed.
Pull out drawer of approximately 4" inside height storage with hinged lift up writing surface installed in streetside wall.

3.4.2.19 Entrance Door:

Interior Entrance Door Panels: The interior surface of the entrance doors shall be finished with two panels. The upper panel shall extend from the top of the door to just below the door handle area. The upper section shall be fabricated from a polished aluminum diamond plate panel. The lower panel shall be a polished aluminum diamond plate panel that will act as wear

and scuff panel. The upper and lower panels shall be attached with threaded machine screws and be removable to service hardware.

3.4.2.20 Interior Equipment:

Interior Mounted Adjustable Shelves: All adjustable shelves within the interior cabinets shall be mounted to heavy-duty Unistrut shelving standards. Each cabinet shall be equipped with four (4) shelving standard for each shelf and include four (4) retaining clips for each shelf. The shelf shall be full width and depth and include a 1.5" flange on the front and rear edge. The balance of the shelf shall be fabricated from .1875" brushed aluminum panels. Shelves shall be installed as listed in the interior cabinet description.

Quantity: (13).

Black Rubber mat is to be installed on all shelves.

3.4.2.21 Grab Rails:

Ceiling Grab Rail, 72": A polished stainless steel grab rail shall be installed in the ceiling of the vehicle. It shall be full length of the interior with welded stanchions every 24". It shall have fully radiused ends to eliminate a head injury hazard. The use of grab rails which do not have fully welded construction is unacceptable. The grab rail shall be bolted directly to the structural members of the ceiling framework.

Grab Rail Handle, Entrance Door: One (1) 36" polished stainless steel grab handle shall be installed near the entrance door. It shall have radiused ends, which match the overhead grab rail.

3.4.2.22 Interior Flooring Finish:

Sub-Floor: A .050" thick aluminum sub-floor shall be installed prior to installation of the floor. The sub-floor shall be secured to the floor frame members and 100% sealed with pliable automotive sealer, around the entire perimeter and any seams. Seams shall be centered over existing frame members to eliminate movement of sheet.

Floor: The floor of the vehicle shall have installed a 3/4" composite plastic material installed on top of the sealed aluminum sub-floor. The composite floor material shall be screwed down to the structural frame members of the body structure. The entire panel shall be sealed and not exposed to water or moisture. Plywood panels are unacceptable in this application.

Polished Aluminum Diamond Plate Flooring: The entire floor area of the vehicle shall be covered with .125" polished aluminum diamond plate.

3.4.2.23 Interior Mounted Equipment:

"Fasten Seat Belt" and "No Smoking" Signs: Two (2) large face "No Smoking" signs and one (1) "Fasten Seat Belt" sign shall be installed in the interior of the vehicle.

3.4.2.24 Electrical Systems:

Electrical 12-Volt: The entire 12-volt electrical system shall comply with the recommended standards and practices per FMVSS, SAE and NFPA where applicable.

The entire 12-volt DC electrical system shall incorporate SXL thermoplastic high temperature copper wire. Each wire shall be color coded with function imprinted every four (4) inches for immediate identification. All exposed wiring shall be covered with Packard Flec black with gray stripe 300 degrees F convoluted loom. Loom which does not have the gray stripe shall cause for rejection of the vehicle. Large Heyco or rubber insulators shall be used where wires pass through sheet metal or structural members. All circuits shall be protected with circuit breakers suitable to the circuit demand. Any wire carrying a load to an appliance in the 12-volt electrical system shall be 14-gauge wire minimum.

Electrical System shall consist of wiring harnesses which terminate at the Electrical Distribution Panel. Distribution Panel shall be centrally located with connections resulting through 40 pin Packard Electric Connectors.

All electrical components shall be mounted using "plug in" type assembly which affords speedy replacement of failed components.

Circuit Breakers: All circuit breakers 30 amp or less, shall be plug in manual reset type. All circuits which require greater capacity shall utilize a Cooper Electric 40 amp "Maxi-Amp" manual reset circuit breaker or 50 amp automatic reset type.

Relays: Devices being switched with loads in excess of one (1) Amp (12 watt) shall be accomplished through Bosch type 12-volt automotive relay switching devices. Relays shall be controlled through a ground signal from all switches, including door post switches. All relays shall be plugged into the modular panel assembly. All relay circuits utilizing the SPST and SPDT Bosch relays shall include internal suppression to eliminate voltage spikes in the electrical system.

Grounding: All modular bodies shall be grounded to the vehicle chassis via two (2) 000 GA braided copper grounding straps. An additional 000 GA braided ground strap is added from vehicle engine to chassis frame. Stranded copper conductors i.e. battery cables, shall not be used.

Each appliance shall be grounded to the body structure in close proximity to its location. The ground shall be equivalent to its feed wire size and be minimized in length. Each ground shall be attached directly to the vehicle structure with the use of machine screw with star washers. Only star washers shall be used, to insure a positive contact at all times. The use of ground loops or harnesses is unacceptable, due to its potential to cause radio frequency interference into the electrical system.

All body harnesses shall be contained within the body. Harnesses shall not run on the under side exterior of the body. Under hood harness shall be protected within high temperature convoluted loom. All connections exposed to the elements or under hood shall be made within "waterproof" heat shrink connections. This type of connection shall also be used on all heavy-duty battery cables. All battery cables, both positive and ground shall be machine crimped and fully soldered prior to addition of waterproof heatshrink tubing. Any exposed connections not in heat shrink and battery connections not soldered shall be rejected.

PC board conventional relay system or computer controlled switching system is unacceptable due to failure potential and component replacement problems.

12-Volt Circuit Schematic Documentation: All harnesses, relays, circuit breaker terminal junction points and circuits shall be drawn on individual 8-1/2" x 11" size drawings. Each individual circuit shall be on one (1) drawing, for ease of troubleshooting. Single drawing overall schematics is unacceptable. All electrical systems shall be de-signed for each vehicle. Generic

or similar drawings are cause for rejection of vehicle. All schematics shall include only what circuits are provided in the proposed vehicle.

3.4.2.25 Driver's Cab Console:

Cab Console, Floor Mounted: A Custom designed aluminum Cab Console shall be provided and mounted to the floor of the cab. It shall be equipped with a removable top for access when servicing. The console shall follow the contours of the floor to minimize its protrusion and overall height. The console shall be sprayed with a black rubberized coating. All switches and controls shall be within easy reach of both the driver and passenger. The console shall be designed to allow room for permanent mounted flush two-way communication radios.

3.4.2.26 Front and Rear Switch Panel Equipment and Systems:

Switches: All switches shall be 12 volt two (2) or (3) position heavy duty Carling Contura X, full size, euro-look rocker switches, with a black matte finish. Small rocker switches or push style switches are not acceptable substitution. Each switch shall have an integral pilot light which shall activate in the "On" position, including the horn/siren switch. The only switches that shall not have a pilot light are momentary switches, where they are not available. No switch shall carry more than one (1) amp of power, (12 watts).

For ease of service all switches shall have a plug in connector on the bottom of the switch contacts.

All switches shall be mounted in a custom designed one-piece panel for each vehicle. The switch panel shall be backlit with high voltage electroluminescent, ("EL") high voltage lighting behind the individual switch legends. Each EL switch panel shall include its own high voltage inverter to power the EL strip. The switch panels shall be finished in a black matte finish. All custom legends shall be made of matte black Lexan inserts with translucent lettering to designate each function. When complete the surface of the panel shall have a look of a homogeneous surface with out the need for white legends which appear to be an add-on feature. Due to the superior backlighting of the EL strips, no exception is allowed. All switch circuits shall be designed for the life of the vehicle.

Battery "On" Indicator: A master battery "on" indicator shall be installed on the vehicle. Two (2) of the clearance lights on the outside of the vehicle shall glow whenever the batteries are connected to the system.

Audible Door/Compartment Open Alarm: A high decibel, electronic beeper alarm shall be installed and activate, when a module door is opened. The alarm shall sound only when the vehicle is placed in drive or reverse and be independent of the door open warning light in the console. The warning lights shall activate anytime any door is opened.

Entrance Door Open Warning Light: A 4" red light shall be recessed in the ceiling of the cab and activate when the personnel entrance door or a compartment door is open.

Gooseneck Light: A flexible shaft gooseneck light shall be permanently installed in the driver's console. The light shall have a swivel head and an on-off switch located at the light. A separate removable red filter lens shall be provided.

Under Hood Work Light: Per the requirements of NFPA 1901, a light with switch shall be installed under the hood of the cab to be used as a work light.

Load Manager/Sequencer: A Class 1 combination load manager/sequencer shall be installed and controlled from the driver's console. The load manager shall automatically shed load to maintain balance between alternator output and draw, by turning pre-determined functions to the off position.

Includes low voltage alarm.

3.4.2.27 Emergency Warning Systems:

Siren Warning System: A Whelen Engineering Company Model WS295 HFSA1 siren shall be provided and installed flush in the driver's console. The siren shall include standard siren tones, public address, air horn, and radio rebroadcast. The siren shall be backlight for night operation and include a hard-wired microphone. Siren shall include a self-diagnostics mode which warns the driver of a potential problem with the siren or speaker system.

Siren Equipment:

Lighted Horn/Siren Switch: A switch shall be installed in the driver's console to select between OEM horn ring function of the vehicle horn or horn ring activation of the siren. The switch shall have a lighted indicator and control a SPST relay located within the electrical distribution cabinet. A relay-controlled circuit is required to eliminate any potential voltage drop problems due to high amperage draw of the OEM Horns.

Siren Speaker System: The front bumper of the chassis shall be equipped with two (2) Cast Products Model SA 4303 speaker assemblies. The speakers shall be installed into openings cut into the swept back portion of the front bumper. The openings shall be cut with a smooth edge and be properly treated to prevent corrosion and pealing of surface finish. The speaker assemblies shall include two (2) high efficiency 100-watt speaker drivers.

3.4.2.28 NFPA Lighting, Upper/Lower Halogen, Whelen:

Front Light Bar: The customer supplied light bar shall be installed. The light bar shall be powered by a heavy-duty power relay, circuit breaker and switch mounted in the driver's console.

Alternating Electronic Flasher: A heavy-duty electronic flasher shall be installed in the power distribution panel. The flasher shall have two alternating outputs of a maximum of 50 amp per output. The flasher shall be controlled by a single pole lighted switch in the driver's console. The circuit shall be powered by an independent 50 amp auto reset circuit breaker, and the flasher itself shall be internally short circuit protected.

Whelen Flashing Warning Lights, Zone B, Upper: The vehicle shall be equipped with Whelen 900 Series, Maxi-Size halogen warning lights. The light assemblies shall include a single, relampable, halogen lamp.

All lights shall include a metallized flange chrome housing, designed for this fixture.

Quantity: (2), Color: Red

Whelen Flashing Warning Lights, Zone C, Upper: The vehicle shall be equipped with Whelen 900 Series, Maxi-Size halogen warning lights. The light assemblies shall include a single, relampable, halogen lamp.

All lights shall include a metallized flange chrome housing, designed for this fixture.

Quantity: (2), Color: Red

Whelen Flashing Warning Lights, Zone D, Upper: The vehicle shall be equipped with Whelen 900 Series, Maxi-Size halogen warning lights. The light assemblies shall include a single, relampable, halogen lamp.

All lights shall include a metallized flange chrome housing, designed for this fixture.

Quantity: (2), Color: Red

Whelen Flashing Warning Lights, Zone A, Lower: The vehicle shall be equipped with Whelen 508 Series, Mid-Size, dual halogen warning lights.

Quantity: (2), Color: Red

Whelen Flashing Warning Lights, Zone B, Lower: The vehicle shall be equipped with Whelen 508 Series, Mid-Size, dual halogen warning lights.

Quantity: (1), Color: Red

Whelen Flashing Warning Lights, Zone D, Lower: The vehicle shall be equipped with Whelen 508 Series, Mid-Size, dual halogen warning lights.

Quantity: (1), Color: Red

3.4.2.29 Exterior Vehicle Lights and Equipment:

Vehicle LED Tail/Stop Lights: The vehicle shall be equipped with two (2) Whelen 600 Series red LED stop/tail lights. The lights shall be located on the lower outboard corners of each side of the rear of the vehicle. The body shall be designed in such a way to eliminate the lights from being exposed to the elements from the backside.

Vehicle Back-Up Lights: The vehicle shall be equipped with two (2) Whelen 600 Series rear Back-up lights, one each side on the rear of the vehicle. The lights shall operate any time the vehicle is placed in reverse. The light shall include an integrated metallized chrome housing. The body shall be designed in such a way to eliminate the lights from being exposed to the elements from the backside.

Amber LED Directional Lights: A pair of Whelen 600 Series Amber LED populated arrow directional signal lights shall be installed on the rear of the vehicle directly above the stop/tail and back-up lights. The lights shall include an integrated metallized chrome flange housing on each fixture.

Marker/Clearance Lights: LED marker and clearance lights shall be installed on the front rear and both sides of the body to meet all Federal lighting requirements FMVSS 108.

Reflectors: Two (2) pair of Reflex Reflectors shall be installed on both sides of the vehicle. The reflectors shall have chrome housings and be mounted without the use of unsightly screws.

Entrance Step Ground Illumination Lights: The vehicle shall be equipped with one(1) 4" light mounted under each body entrance door area to illuminate the ground under the cab step.

Illumination lights to activate with rescue body entrance doors open.

Exterior 12-Volt Flood Lights:

Side Flood Lights: Four (4) Whelen, 900 Series Halogen 13-degree OptiScenelights shall be installed two (2) each side of the vehicle. The flood lights shall include single replaceable halogen bulbs, and built-in 13-degree internal optics in each light lens.

The flood lights shall include metallized chrome flange housings specifically designed for each light. Cast aluminum housings are unacceptable.

Rear Flood Lights: Two (2) Whelen 900 Series 13-degree Opti-Scene lights shall be installed in the upper rear body of the vehicle. The lights shall include 13-degree internal optics in the lens and replaceable halogen lamps.

The lights shall include metallized chrome flange housings specifically designed for this light fixture. Cast aluminum housings are unacceptable.

Right Side Flood Light, Control: The right side flood lights of the vehicle shall function by the relay controlled circuit activated by the right flood lighted switch in the driver's console.

Left Side Flood Light, Control: The left side flood lights of the vehicle shall function by the relay controlled circuit activated by the left flood lighted switch in the driver's console.

Rear Flood Lights: The rear flood lights shall automatically activate when the vehicle is placed in reverse. All flood light circuits shall be relay controlled.

Rear Flood Light Switch: The rear flood lights mounted on the rear of the vehicle shall be controlled "on-off" by a single pole lighted switch located in the drivers console. The rear flood light switch shall override both back-up function and the flood lights "on" with the door open function and shall not be affected by those circuits.

3.4.2.30 Climate Control System

Heater/Air Conditioner, Commercial Cab: Requires chassis OEM air conditioning.

Heater/Air Conditioner: A high capacity combination heater (40,000 BTU)/air conditioner (32,000 BTU) unit shall be installed in the modular body of the vehicle. All heater hoses shall be the EPDM type. The use of lesser quality hose or silicone hose is an unacceptable substitution. All air conditioner hoses shall be heavy-duty type and have machine crimped ends, worm type hose clamps are cause for rejection of bid. The combination unit shall be installed in the interior climate control location in such a way to allow the unit to be completely removed from the vehicle in 10 minutes, and be capable of being serviced in the vehicle without removing it. The return grill shall be equipped with a permanent, washable, removable air cleaner filter media to prevent the coils of the unit from becoming clogged with dust and dirt.

Auxiliary Air Conditioning Condenser: The vehicle shall be equipped with an auxiliary air conditioning condenser. The air conditioning condenser shall be added to enhance the heat rejection of the unit mount in the chassis air conditioning system. The condenser shall be fan cooled by condenser mounted 12-volt cooling fan. The fan shall be relay controlled and only be activated when the rear air conditioner unit is activated.

Auxiliary Air Conditioning Compressor: The vehicle shall be equipped with an auxiliary air conditioning compressor. The air conditioning compressor shall be added to the propulsion engine of the vehicle.

Electronic Thermostat Control: An automatic thermostat shall be used to monitor and control both air conditioning and heat mode. The thermostat shall include a temperature control knob, a heat or air conditioning mode switch, and a three-speed blower switch. The thermostat unit shall be located at a mid-height of the vehicle. The thermostat shall be easily accessible and not subjected to the air flow movements from the climate control unit.

3.4.2.31 Interior and Compartment Utility Lighting:

Dome Lighting: Weldon dome lights shall be equally spaced down both sides of the ceiling. Each light shall include a dual intensity incandescent bulb. The lights shall be relay controlled and have a lighted double throw switch in the switch panel.

Quantity: (8), (4) clear, (4) red.

Dome Lights with Door Open: The dome lights mounted in the ceiling of the vehicle shall be activated to the low intensity position when the personnel entrance doors are open. The circuit shall be relay controlled and the dome light current shall not be controlled by the door post switch.

12-Volt Fluorescent Light: 24", 15 watt, twin bulb fluorescent fixture shall be installed in the vehicle. The fixture shall have reinforced housings with a plastic diffuser which locks in place. The light shall be relay controlled and switched by a lighted single pole switch in the rear switch panel. Each light shall also incorporate an individual switch to allow each light to be turned off independently. All light shall be mounted to the vehicle ceiling structural members and not to the ceiling panel material alone.

Quantity: (4).

Fluorescent Lights, 12-Volt, 115-Volt Combination: The 12-volt fluorescent lights mounted in the ceiling of the vehicle shall be powered by the vehicles 12-volt battery charger/conditioner when the vehicle shoreline is attached to an outside 115-volt power source. The lights shall be controlled by an additional transfer relay to prevent the lights from discharging the vehicle batteries when the shoreline is not plugged in. The fluorescent lights shall operate from a single pole lighted switch in the rear of the vehicle. The lighted indicator shall be wired in such a way to function only when power is provided and not directly from the vehicle battery.

Dual Dome Light Switches: The dome light circuit in the vehicle shall include two independent dome light circuits with two independent switches shall be provided to control two banks of dome lights. The switches shall be marked in the rear switch panel as white dome light and red dome light. Each switch shall power the low mode of the fixtures independently.

3.4.2.32 Exterior Compartment Lights: The exterior compartments as listed shall be lighted by 4" Trucklite recessed lights. Individual compartment door post switches shall activate the compartment lighting relays. Each door post switch shall only activate one relay and pair of compartment lights. This is done to minimize the draw on the electrical system. The door post switch shall not carry the current of the compartment lights.

3.4.2.33 Trailer Electrical Connection: The vehicle shall be equipped with a male and female (7) pin trailer connector located under the rear bumper of the vehicle. All connectors shall be waterproof and not impose any undue electrical load on the cab stop/tail/back-up directional electrical circuits. All wires shall be properly tagged an identified for installation on trailer to be towed.

3.4.2.34 120/240-Volt AC Electrical: The vehicle shall include a 120/240-volt AC electrical system separate and distinct from the vehicle's 12-volt electrical system.

The entire system shall be designed and tested to meet the requirements of the NFPA National Electrical Code (NEC), where applicable, and use the balance of the NEC for general practices and procedures associated with high voltage 120/240-volt AC electrical wiring and devices.

120/240-Volt AC Wiring: All wiring shall be three (3) conductor 10 GA, 12 GA or 14 GA stranded copper cable as required by the circuit requirements. All conductors shall have 105-degree Celsius rated insulation, tinned conductors and be rated at 600-volt. SO black jacketed type cable is unacceptable. All cable wiring shall be encased in high temperature protective loom where exposed. In any location where the wiring may be exposed to the exterior or underside of the body, it shall be encased in Liquid-Tite conduit and waterproof junction boxes.

Kussmaul "Super Auto Eject" 20 Amp Shoreline: A 20 amp Kussmaul "Super Auto-Eject" Shoreline Male Motor Base Model 091-55-20-120, shall be installed in the vehicle. The shoreline shall be waterproof type with spring loaded gasketed cover. The shoreline shall be wired to the junction circuit breaker box located within the power distribution panel compartment. The shoreline auto-eject solenoid shall be connected to the starter solenoid of the vehicle and only be activated when the key is in the start mode. The Shoreline shall be equipped with a matching female connector designed for use with the auto-eject shoreline and shipped loose with the vehicle.

Location: Near driver's entrance door step.

Automatic 120-Volt AC Transfer Switch: The vehicle shall be equipped with an automatic transfer switch. The switch shall provide power from two sources to the power the interior 120-volt electrical outlets. The input source shall be the onboard generator and the other shall be an external shorepower input. The automatic switch shall be rated at 30 amp capacity and shall be a two pole device. The transfer switch shall be mounted in the area of the 120/240-volt power distribution panel.

3.4.2.35 Direct Drive, PTO Generator System: A vehicle engine driven, Power Take Off, PTO generator system shall be installed in the vehicle. All controls shall be located in the drivers console and include safety interlocks to prevent the generator from being engaged when the vehicle is placed in a drive gear. Proper engineering practices shall be utilized in the installation for clearances, driveshaft angles and electrical connections. Prototype systems are unacceptable. The bidder shall have installed no less than 25 similar systems.

The system shall be driven by Spicer Driveline components with a 2" hollow tube driveshaft.

PTO for Generator: The generator system shall be driven by a PTO unit mounted to the transmission. The unit shall be controlled by the PTO generator controls on the driver's console.

Generator, Onan Protec 25 KW: An Onan Protec 25 KW, single phase, two-bearing generator shall be provided and installed. The unit shall include an 1800 RPM input shaft. The unit shall be equipped with a voltage regulator.

To be load tested per NFPA.

3.4.2.36 Generator Equipment:

Generator Meters Panel: The generator system shall be monitored by an FRC FROG-D Generator Meters Panel. The meters shall include a voltmeter, two ammeters, hourmeter and frequency meter. The meters shall be mounted in the FROG-D enclosure and mounted in a protected location. The FROG-D panel shall include a full load circuit breaker sized for the generator installed.

3.4.2.37 Power Distribution:

120/240-Volt Power Distribution Panel: A "Square D" circuit breaker panel shall be installed in the vehicle. The circuit breaker box shall provide positions for Square D, VISI-TRIP style circuit breakers. The circuit breaker box shall be located in the location described in the compartment layout section. All circuit breakers which power electrical outlets shall be GFI type. Circuit breakers which power permanent appliances shall be standard type breakers.

Visi-Trip Circuit Breakers: The following breakers shall be provided in the Square D, circuit breaker box.

Electrical Outlet, Exterior 120-Volt: The vehicle shall be equipped with exterior 120-volt, 20 amp electrical outlets. The outlets shall be Hubbell type with water resistant covers. The outlets shall have a three-prong twist-lock receptacle with a L5-20 NEMA configuration.

Quantity: (4).

Location:
(1) Each side near rear wheel.
(2) Rear of body.

120-Volt Lighted Outlet, Interior: 120-volt, 15 amp, AC duplex electrical outlets shall be installed in the vehicle. The outlets shall be hospital-grade "lighted" duplex mounted in NEMA approved metal junction box enclosures. The neon light within the outlet shall glow when live power is at the outlet. All outlets within the vehicle shall be GFI protected.

Quantity: (1).

Multiple Power Outlet Strip: A heavy-duty 16" four (4) outlet power strip shall be provided. The outlet strip shall be powered by its own GFI protected circuit breaker. The power strip shall include outlets with a 5-15 NEMA configuration.

Quantity: (2).

3.4.2.38 Battery Charging Equipment:

Battery Conditioner/Power Supply: The vehicle shall be equipped with a 45 amp battery conditioner/power supply to charge the vehicle batteries when plugged into the external shoreline. The battery charger shall be a fully automatic controlled taper charger and provide no charge when the batteries are completely charged. The Conditioner shall be a heavy duty, continuous duty, solid state unit. The use of heavy inefficient transformer type units is unacceptable.

3.4.2.39 120/240-Volt Flood Lighting:

Recessed, 1000 Watt Floodlight: The vehicle shall be equipped with Fire Research Corp, Focus, FC201-M12, recessed 1000 watt floodlights as described below. The light shall be installed in the body panel and be mounted by use of a cast aluminum recessed housing. The

housing shall installed from the outside and be removable if the lights need to be serviced. The bulbs shall be serviced from the outside of the vehicle.

240 VAC

Location: (4) Total, Two mounted each side.

Floodlight Switching, 120/240-Volt AC: The floodlights listed shall be operated by turning ON/OFF the corresponding circuit breaker in the 120/240-volt power distribution panel.

Floodlights, switched at 120/240 volt circuit breaker panel.

3.4.2.40 Vehicle Painting:

Painting Process: The entire modular body shall be prepared and painted in strict accordance to Sikkens painting processes for aluminum. All Sikkens products shall be used throughout the preparation and painting stages, eliminating any incompatible products. Paint finish shall be provided with a Seven (7) year warranty supported by the manufacturer.

Paint Procedures for Major Components:
I. Surface Preparation

A. All surfaces shall be washed thoroughly with OTO degreaser prior to any sanding, blasting and or body work to prevent the impingement of contamination into substrate.
B. Surface shall be thoroughly abraded with DA 180-220 grit.
C. All areas requiring body work shall be ground with 24 to 36 grit, and re-cleaned with OTO degreaser.
D. Prime shall be applied within 24 hours of abrading.

II. Body Work

A. All body worked areas shall be filled with Evercoat Z-Grip body filler.
B. All filled areas will be sanded with 80-120 grit dry paper.
C. Evercoat Eurosoft Glaze putty to be applied over any body filler.
D. Glaze putty to be sanded with 220 dry grit paper.

III. Application of Self-Etching Primer

A. Equal parts CR Washprime & CR Washardener.
B. One (1) medium "See through" coat of Self-Etching primer shall be applied at an air pressure of 50 to 60 PSI (HVLP) at the spray gun to achieve a total dry film build between 0.3 - .04 mils.
C. 15 minutes minimum flash time.

IV. Application of Primer / Sealer

A. One (1) Wet coat of Autocoat LV Sealer shall be applied using 50-60 PSI (HVLP) at the spray gun to achieve a minimum dry film build of 2.5 mils.
B. 10-15 minutes of flash time shall be allowed between coats.
C. Primed Body shall be allowed to dry 20 minutes - 8 hours at 70 degrees F/50% RH prior to top coating.

V. Autocoat LV Polyurethane Top Coat Finish System (Base Coat)

A. Two (2) Wet coats of ACLV Base Coat color shall be applied to prepared body using 50-60 PSI at the HVLP gun to achieve film build of 1.2 - 1.4 mils.
B. 5 - 10 Minutes flash-time shall be allowed between coats.

VI. Autoclear LV High Solids Acrylic Urethane Clear:

A. Two (2) Wet coats of Autoclear LV shall be applied at an air pressure of 50-60 PSI (HVLP) to achieve a dry film build minimum of 1.2 - 1.4 mils.
B. 5 - 10 Minutes flash time between coats.
C. Force Dry (Bake)
D. Bake for 45 minutes with a surface temperature of a minimum of 140 degrees F.

VII. Striping Autobase Clearcoat System (Base)

A. Sand desired area with 400 dry grit paper.
B. Clean surface with Autoclean degreaser.
C. Mask off remainder of unit.
D. 1-2 Medium coats of Autobase color shall be applied at a pressure of 50-60 PSI (HVLP) to achieve a dry film build of not more than .5 mils.
E. 2-5 Minutes flash time between coats.
F. Dry for a minimum of 20 minutes at 70 degrees F 50%RH before applying Autoclear LV.
G. Two (2) Wet coats of Autoclear LV shall be applied at an air pressure of 50-60 PSI (HVLP) to achieve a dry film build minimum of 1.2 - 1.4 mils.
H. 5-10 Minutes flash time between coats.
I. Force Dry (Bake)

J. Bake for 45 minutes with a surface temperature of a minimum of 140 degrees F.

VIII. Polish-Out

A. Surface must dry for a minimum of 24 hours at 70 degrees F 50% RH.
B. Wet sand with 1000 grit paper 1st.
C. Wet sand with 1200 grit paper 2nd.
D. Wet sand with 1500 grit paper 3rd.
E. Polish with 3M rubbing compound and wool pad.
F. Machine glaze with wool pad.

Paint Corrosion Protection: All exterior fastener locations that penetrate the paint on the modular body are to be treated with Electrolysis Corrosion Kontrol (ECK). Every external fastener hole shall have ECK sprayed into the hole for full coverage. The perimeter of the hole shall be covered with a minimum of .5 diameter of ECK. This is to protect the head of the fastener from touching the painted surface. All applications of ECK are to take place before component mounting. The fasteners that are included in this process are for the following components: lights, light bars, hinges, diamond plate panels, fuel fill, license plate holder, shoreline, vent covers, rain gutters, rub rails, fenderettes and door grabbers. Additional items that are mounted to the painted body will also be included. When an item is cut into the body causing an unpainted edge, that unpainted edge shall be completely coated with ECK prior to component mounting.

Cab and body exterior shall be painted manufacturer's standard color, which will be specified in the purchase order. New Jersey State Police will select white color.

3.4.2.41 Antenna Equipment:

Antenna: A coaxial antenna lead shall be pre-wired from a location in the wire raceway to the location of the two-way communication radios.

The antenna lead in the roof shall include a PL 259 connector soldered to end of cable for install of two-way communication radio antenna.

Antenna Leads: Two (2) coaxial cable antenna leads shall be installed. They shall run from the body roof to the radio location.

Radio located behind driver's seat.

3.5 CONTRACT IMPLEMENTATION

3.5.0.1 Note: In the event of manufacturer's price decrease and/or model rebate during the contract period, the State will receive full benefit of such price reduction on any subsequent order placed during the contract period, in accordance with 4.1 (price fluctuation during the contract) of the standard terms and conditions. The State reserves the right to request any information on price concessions, price reductions, monetary benefits, rebates or any promotional programs offered by the manufacturer, and verify the information provided by the contractor with the manufacturer or any third party any time during the term of the contract. The State must be notified, in writing, of any price reduction or rebate within five (5) days of the effective date.

3.5.1 Placing Orders for Contract Units:

3.5.1.1 I M P O R T A N T N O T E: This term contract permits users to order the contract unit only. Any option that is not specified in this RFP is not permitted.

3.5.1.1.1 Contractor shall not substitute any item (part, component, equipment, feature, accessory, material, performance, capacity, rating, design or control), which is a part of the contract unit, without written authorization to do so from the buyer noted on the cover sheet of this RFP.

3.5.1.2 During the contract period, no change is permitted in any terms or conditions unless the contractor receives written approval from the Purchase Bureau.

3.5.1.3 No dealer's accessories or options such as extended warranties and vehicle treatments (rustproofing, undercoating, etc.) or any other purchases, which are not specified in this RFP, shall be offered.

3.5.1.4 Trade-ins are not permitted under the term contract established as a result of this RFP.

3.5.1.5 Leasing of units is not permitted under the term contract resulting from this RFP.

3.5.1.6 I M P O R T A N T N O T E: An offer to sell non-contract unit against two or more purchase orders, one for the contract unit and one or more for non-contract options, constitutes a serious violation of the contract and shall be the basis for termination of the contract and debarment or suspension of the contractor from contracting with the State of New Jersey pursuant to NJAC 17:12-6 et seq. and may disqualify the contractor from award of future State contracts.

3.5.1.7 Sales literature and color charts shall be made available to agencies and NJ State inspectors on an "as requested" basis.

3.5.2 The State reserves the right to communicate with the contractor and request any information regarding contractor's obligations under the contract, and require acknowledgement of such communication from the contractor during the term of the contract and any extension(s) thereof. Failure to acknowledge within twenty-four (24) hours and provide the required information constitutes a contract violation.

3.5.3 Confirmation of Orders:

3.5.3.1 Verification of receipt of purchase order should be forwarded to each ordering agency for each order accepted.

3.5.3.2 through 3.5.3.4 Reserved.

3.5.3.5 Written confirmation shall mean that the contractor has received the purchase order, has reviewed it for compatibility with unit currently on contract, has resolved any non-compatibility problems with the ordering agency, has entered the order with the manufacturer and that the manufacturer has accepted the order.

3.5.3.6 A contractor shall not accept any purchase order on "will try" basis, unless instructed otherwise by the ordering agency in writing. if an order is not accepted for production by the manufacturer, the contractor shall return the purchase order with "canceled" marked on the purchase order with authorized signature next to it, unless instructed to accept on "will try" basis by the ordering agency in writing. No exception shall be permitted.

3.5.4 Inspection of Units:

3.5.4.1 It shall be the contractor's responsibility to make the following arrangements for the ordering agency inspection of each unit prior to the acceptance of the unit by the ordering agency. Prior to presentation for inspection, it shall be the contractor's responsibility to pre-inspect each unit.

3.5.4.2 The contractor shall notify the ordering agency by fax, that the vehicle is ready for inspection.

3.5.4.2.1 Subsequent to receiving proper fax notification, the inspector from the ordering agency shall arrive at the contractor's facility within five (5) working days. Upon arrival at the facility, the contractor will assign a mechanic, a runner and a delivery bay to the agency inspector. It is the contractor's responsibility to properly

itemize, organize and segregate all vehicles intended for orders pertaining to the State of New Jersey. The above areas of responsibility must be accomplished in order to facilitate an expeditious and orderly inspection flow. This will also allow discrepancies to be corrected while the inspector is located at the contractor's facility.

3.5.4.3 Reserved.

3.5.4.4 Major reasons for rejection of units include, but not limited to:

3.5.4.4.1 Grinding noise in wheels (wheel bearings).
3.5.4.4.2 Improperly aligned wheels.
3.5.4.4.3 Damaged rims.
3.5.4.4.4 Any spare tire-rim not mounted on vehicle.
3.5.4.4.5 Leakage of oil.
3.5.4.4.6 Transmission leaking fluid at transmission cooler lines or transmission seals.
3.5.4.4.7 Leakage at rear end.
3.5.4.4.8 Leaking radiator.
3.5.4.4.9 Fuel leaks.
3.5.4.4.10 Restrictions in fuel system.
3.5.4.4.11 Leakage in any part of the exhaust system.
3.5.4.4.12 Improper anti-freeze level.
3.5.4.4.13 Excessively noisy brakes or excessive brake pedal travel.
3.5.4.4.14 Oil pan damage.
3.5.4.4.15 Windshield wipers inoperative.
3.5.4.4.16 Windshield washer not functioning properly.
3.5.4.4.17 Windshield washer fluid empty/bottle leaking.
3.5.4.4.18 Transmission malfunctions.
3.5.4.4.19 Lack of grease fittings in ball joints, U-joints, etc., if factory standard.
3.5.4.4.20 Horn blowing while driving or inoperative.
3.5.4.4.21 Gauges or dials missing/malfunctioning.
3.5.4.4.22 Vehicle pulls to one side.
3.5.4.4.23 Seat belts not operating properly.
3.5.4.4.24 Keys not working properly.
3.5.4.4.25 Door locks inoperative.
3.5.4.4.26 Oil dipstick missing or rust on dipstick.
3.5.4.4.27 Appropriate new vehicle inspection sticker not furnished on windshield.
3.5.4.4.28 Lights - running, turn, backup, brake, side indicators, and indicator lights not working properly.
3.5.4.4.29 Lenses missing on interior/exterior lights or water in lenses.
3.5.4.4.30 Any manufacturing deficiencies which permit water leakage into passenger compartment.
3.5.4.4.31 Windows not operating properly.
3.5.4.4.32 Vehicle not properly prepped in accordance with the manufacturer's pre-delivery specifications.
3.5.4.4.33 Vehicle not configured with all equipment and options specified in the contract and on the purchase order.
3.5.4.4.34 Body dents, scratches and other defects.
3.5.4.4.35 Body paint defects.
3.5.4.4.36 Water leak through roof.
3.5.4.4.37 Any defects in equipment installation.
3.5.4.4.38 Electrical system problem.

3.5.4.5 Inspected units which do not comply with these requirements will be rejected. All rejected items will be corrected and the corrected unit(s) will be presented for re-inspection within ten (10) working days. The ordering agency may cancel the purchase order if the contractor fails to correct any problem.

3.5.4.6 No additional freight or transportation charges are permitted under this contract.

3.5.5 Delivery and Final Acceptance:

3.5.5.1 All deliveries of unit(s) will be made as instructed by the ordering agency, during working hours, except on legal holidays.

3.5.5.2 No unit will be accepted at the final delivery point without all supporting documentation and paperwork, completed and delivered with the unit(s), which include the certificate of origin, warranty, odometer/engine hour statement (if applicable), specified manuals, invoice and key sets (if applicable). No unit(s) will be considered accepted until it has undergone final inspection at the delivery point.

3.5.5.3 Arrangements for the final inspection shall be made prior to delivery, by the contractor with the ordering agency. Delivered units will be inspected within five (5) working days. If a unit has been accepted, the warranty shall commence on the date of final acceptance, or if a unit has been rejected, the contractor will be notified. The notice will indicate the reason(s) for rejection. If rejected, the contractor will try to rectify the problem(s) at the ordering agency site. If problem(s) cannot be corrected at the agency site, the rejected unit must be removed by the contractor at its own expense. The contractor shall present the corrected unit for re-inspection within ten (10) working days. Again, no additional freight or transportation charges are permitted.

3.5.5.4 All delivered units must be clean both inside and outside. Manufacturer's standard items shall be provided, installed if applicable, by the contractor prior to delivery.

3.5.5.5 Manufacturer's Certificate of Origin: The manufacturer's certificate of origin will be made out to the State of New Jersey (or as instructed by the ordering agency, if the ordering agency is not a State agency), and presented at the time of delivery. Purchase order number must be indicated on the upper left hand corner. Do not furnish the New Jersey certificate of title (certificate of ownership). The ordering agency will title the unit upon receipt of the manufacturer's certificate of origin.

3.5.5.6 No advertising shall appear on any unit delivered under the terms of the contract.

3.5.6 Training: See 3.3.6.

3.5.7 Warranties:

3.5.7.1 Manufacturer's standard warranty will be supplied with each unit at the time of delivery and shall be in typed form. Warranty commences with the acceptance of the unit at the delivery site and following the final inspection.

3.5.8 Warranty Requirements:

3.5.8.1 Users of this contract should contact the contractor in cases where warranty service/repair is to be performed at a place other than the original place of purchase to arrange for a servicing dealer within a closer proximity to their location.

3.5.8.2 The contractor is responsible for any warranty service/repair, which will be at contractor's own expense. Events beyond contractor's control, such as lack of parts due to strikes and unforeseen acts of god shall constitute valid reasons for delay in making necessary repairs. However, the State shall make such determination.

3.5.8.3 The contractor is to provide the appropriate forms, for completion of the delayed entry warranty by the ordering agency.

3.5.9 Payment:

3.5.9.1 Invoices will be processed for payment only after final acceptance of the unit(s) by the ordering agency. Partial payments may be made for unit(s) accepted, if billed separately. Timely payment discounts

will be taken if offered by the contractor. The State reserves the right to make payments directly or through a third party.

3.5.9.2 The State reserves the right to order units through a line of credit. For these orders, the contractor will receive a letter from the director in lieu of a purchase order. Line of credit letters must be accepted by the contractor on the same basis as regular purchase orders. All terms and conditions that apply to purchase orders will apply to line of credit letters. Payment for both
purchase orders and line of credit letters will be processed in accordance with 4.5 and 4.6 of this RFP's standard terms and conditions.

3.5.10 Any complaint filed by the agency, through the Purchase Bureau's "Formal Complaint Report" (Form PB-36), will be thoroughly investigated. Ultimate resolution by the Director will be final and, if against the contractor, will become part of the contractor's vendor performance file, which may be considered in decisions relating to contract termination or in the evaluation of future bid proposals submitted.

4.0 PROPOSAL PREPARATION AND SUBMISSION

4.1 GENERAL

The bidder must follow instructions contained in this RFP and on the bid cover sheet in preparing and submitting its bid proposal. The bidder is advised to thoroughly read and follow all instructions.

The cover sheet (page 3) of this RFP shall be signed by an authorized representative of the bidder. However, if the bidder is a limited partnership, the cover sheet of this RFP must be signed by a general partner. If the bidder is a joint venture, the cover sheet of this RFP must be signed by a principal of each party to the joint venture. Failure to comply will result in rejection of the bid proposal.

Pricing and information sheets must be completed in their entirety. Failure to comply with this requirement may result in rejection of the bid proposal.

No changes or white-outs will be permitted on the specification sheets, unless each change is initialed and dated in ink by the bidder.

4.2 PROPOSAL DELIVERY AND IDENTIFICATION

In order to be considered, a bid proposal must arrive at the Purchase Bureau in accordance with the instructions on the RFP cover sheet. Bidders are cautioned to allow adequate delivery time to ensure timely delivery of bid proposals. State regulation mandates that late bid proposals are ineligible for consideration. **THE EXTERIOR OF ALL BID PROPOSAL PACKAGES MUST BE LABELED WITH THE BID IDENTIFICATION NUMBER, FINAL BID OPENING DATE AND THE BUYER'S NAME. (See RFP cover sheet).**

4.3 NUMBER OF BID PROPOSAL COPIES

Each bidder must submit **one (1) complete ORIGINAL bid proposal**, clearly marked as the "ORIGINAL" bid proposal. Each bidder should submit **one (1) full, complete and exact copy** of the original. The copies requested are necessary in the evaluation of the bid proposal. Bidders failing to provide the requested number of copies will be charged the cost incurred by the State in producing the requested number of copies. It is suggested that the bidder make and retain a copy of its bid proposal.

4.4 PROPOSAL CONTENT

Reserved.

4.4.1 FORMS

4.4.1.1 OWNERSHIP DISCLOSURE FORM

In the event the bidder is a corporation or partnership, the bidder must complete the attached Ownership Disclosure Form. A completed Ownership Disclosure Form must be received prior to or accompany the bid proposal. Failure to do so will preclude the award of a contract.

4.4.1.2 MACBRIDE PRINCIPLES CERTIFICATION

The bidder must complete the attached MacBride Principles Certification evidencing compliance with the MacBride Principles. Failure to do so may result in the award of the contract to another vendor.

4.4.1.3 AFFIRMATIVE ACTION

The bidder must complete the attached Affirmative Action Employee Information Report, or, in the alternative, supply either a New Jersey Affirmative Action Certificate or evidence that the bidder is operating under a Federally approved or sanctioned affirmative action program. The requirement is a precondition to entering into a State contract.

4.4.1.4 RESERVED

4.4.1.5 BID BOND

Not applicable.

4.4.2 SUBMITTALS

4.4.2.1 PRODUCT LITERATURE, ETC.

The bidder is required to submit illustrated literature, warranty documents, manufacturer's specification sheets and all necessary data on the unit it proposes to furnish. All submittals shall be properly labeled, showing the bidder's name and bid number. The bidder should also provide manufacturer's drawing, schematics and blueprints, if available.

4.4.2.2 BIDDER DATA SHEET

The bidder must provide all of the information requested. The bidder may provide its response on a separate attachment but should clearly note here that it is doing so:

1. Name of individual that may be contacted at all times if information, service, or problem solving is required by the Using Agency or the Purchase Bureau. This service shall be available at no additional charge.

W. Michael Marquis
PL Custom Body & Equipment/Rescue 1
2201 Atlantic Avenue
Manasquan, NJ 08736

Phone: 732-223-1411 Fax: 732-223-8456

Email: mmarquis@plcustom.com

Years of this individual's experience in servicing similar accounts: 20

Identify the similar accounts this individual has serviced:

All Rescue vehicle sales accounts.

4.4.2.3 REFERENCE DATA SHEETS - SATISFACTORY CUSTOMER SERVICE

The bidder must provide all of the information requested. The bidder may provide its response on a separate attachment but should clearly state here that it is doing so:

Supply the name(s) of present customers you are servicing for contracts of a similar size and scope to those required by this RFP. The State reserves the right to visit these locations and verify production.

Information provided by the contractor is on file, which will be made available upon request.

4.4.2.4 MANDATORY CONTRACTOR DATA SHEET - TERMINATED CONTRACTS

The bidder must provide all of the information requested. The bidder may provide its response on a separate attachment but should clearly state here that it is doing so:

Provide a list of contracts, if any, your firm has been terminated from during the last three years along with the reason that your contract was terminated. List name of contact person and phone number of the firm which terminated your firm's contract.

None.

4.4.2.5 RESERVED

4.4.2.6 FINANCIAL CAPABILITY OF THE BIDDER

If required by the State, the bidder shall provide proof of its financial capacity and capabilities to undertake and successfully complete the contract. To satisfy this requirement, the bidder shall submit a certified financial statement, including applicable notes, reflecting the bidder's assets, liabilities, net worth, revenues, expense, profit or loss and cash flow for the most recent calendar year or the bidder's most recent fiscal year; or if a certified financial statement is not available, then either a reviewed or compiled statement from an independent accountant setting forth the same information required for the certified financial statement. In addition, if required by the State, the bidder must submit a bank reference.

4.4.3 COST PROPOSAL

The bidder must submit its pricing using the State supplied price sheet(s) attached to this RFP. Failure to submit all information required will result in the bid being considered non-responsive. Each bidder is required to hold its prices firm through issuance of contract.

4.4.4 METHOD OF BIDDING

4.4.4.1 Reserved.

4.4.4.2 The bidder shall bid a fixed price on the price line.

4.4.4.3 The unit is specified in two parts: General Provisions (3.3) and Technical Provisions (3.4). Thus, price bid for the specified unit shall include, among other items (delivery, inspection, etc.), costs of General Provisions and Technical Provisions.

4.4.4.4 Reserved.

4.4.4.5 Any missing or illegible price, or price correction or appearance of price alteration without bidder's qualifying initials shall cause the bid to be disqualified for that price line item and, in turn, the group that price line item is part of.

4.4.4.6 In a situation of conflicting unit price and total price bid, the unit price shall prevail.

4.4.4.7 Quantity (third column-"quantity") shown on each price line on the price sheet(s) is for bid evaluation purposes only. (See 3.1)

4.4.4.8 I M P O R T A N T N O T E: The bidder must provide complete information on the unit offered, as required on the price line and throughout this RFP, and submit the required literature for that unit. If a bidder identifies the unit offered by denoting make, model and model year, as required on the price line, but does not provide the required literature, or provides the required literature, but does not identify the unit offered, the State reserves the right to request all
information necessary to evaluate the bid from the bidder. The bidder must respond to such request within twenty-four (24) hours from the time the bidder is notified. If the information requested is not received within twenty-four (24) hours, the bid proposal will be rejected. A bid proposal which does not identify both the unit bid and does not include the required literature shall be rejected.

4.4.4.9 I M P O R T A N T N O T E: The bidder is strongly advised not to take any deviations or substitutions. Any material deviations shall result in rejection of the bid proposal as non-responsive.

4.4.4.10 All deviations or substitutions shall be neatly printed or typed. If no deviations or substitutions are taken, the word "none" shall be neatly printed or typed in the space provided. In the event no deviations or substitutions are noted, it will be concluded that the State will receive exactly what the specifications stipulate.

4.4.4.11 If the bidder takes any deviation or provides any substitutions, the bidder will make modifications to the descriptive literature included with the bid proposal and list those modifications in the corresponding spaces of the bid proposal. Failure to do so will mean the bidder intends to supply the particular item as specified in the RFP.

4.4.4.12 It is the responsibility of the bidder, when offering a substitute, to furnish proof via manufacturer's drawing, blueprints, specifications, certifications, etc., that such is equal or superior to the unit specified. No deviations or substitutions will be permitted after receipt of the bid proposal.

4.4.4.13 The State reserves the right to disapprove any deviation or substitution that is deemed not to be an equal.

4.4.4.14 Bid proposals may be withdrawn, modified, and re-submitted prior to bid opening. Modifications submitted in any other manner will not be considered. No bid proposal can be withdrawn after the bid opening without the State's approval to do so. The State may subject a bidder requesting bid withdrawal after bid opening to penalty for any damages incurred by the State for processing and evaluating the bid proposal.

4.4.4.15 Notwithstanding any other provision to the contrary, including the cooperative purchasing form included in this RFP (pbcop1, rev 8/96), any contract resulting from this RFP will be made available to quasi-State agencies, as defined in NJSA 52:27b-56.1. Bidders should note that all other non-State agencies will be precluded from using any contracts resulting from this RFP if the bidder does not agree in its bid proposal to extend the contract to these entities.

5.0 SPECIAL CONTRACTUAL TERMS AND CONDITIONS

5.1 PRECEDENCE OF SPECIAL CONTRACTUAL TERMS AND CONDITIONS

The contract awarded as a result of this RFP shall consist of this RFP, addendum to this RFP, the contractor's bid proposal and the Division's Notice of Award.

Unless specifically stated within this RFP, the Special Contractual Terms and Conditions of the RFP take precedence over the Standard Terms and Conditions of the RFP Appendix 1 .

In the event of a conflict between the provisions of this RFP, including the Special Contractual Terms and Conditions and the Standard Terms and Conditions, and any Addendum to this RFP, the Addendum shall govern.

In the event of a conflict between the provisions of this RFP, including any Addendum to this RFP, and the bidder's bid proposal, the RFP and/or the Addendum shall govern.

5.2 BUSINESS REGISTRATION

See Standard Terms & Conditions, Appendix 1, Section 1.1.

5.3 CONTRACT TERM AND EXTENSION OPTION

The term of the contract shall be for a period shown on the cover sheet (page 3) of this RFP. The anticipated "Contract Effective Date" is provided on the cover sheet of this RFP. If delays in the procurement process result in a change to the anticipated Contract Effective Date, the bidder agrees to accept a contract for the full term of the contract. The contract may be extended for all or part of three (3) one-year periods, by the mutual written consent of the contractor and the Director.

5.4 CONTRACT TRANSITION

In the event that a new contract has not been awarded prior to the contract expiration date, it shall be incumbent upon the contractor to continue the contract under the same terms and conditions until a new contract can be completely operational. At no time shall this transition period extend more than 120 days beyond the expiration date of the contract.

5.5 AVAILABILITY OF FUNDS

The State's obligation to pay the contractor is contingent upon the availability of appropriated funds from which payment for contract purposes is made. No legal liability on the part of the State for payment of any money shall arise unless funds are made available each fiscal year to the Using Agency by the Legislature.

5.6 CONTRACT AMENDMENT

Any changes or modifications to the terms of the contract shall only be valid when they have been reduced to writing and signed by the contractor and the Director.

5.7 PROCEDURAL REQUIREMENTS AND AMENDMENTS

5.7.1 The contractor shall comply with procedural instructions that may be issued from time to time by the Director.

5.7.2 During the period of the contract, no contractual changes are permitted, unless approved in writing by the Director.

5.7.3 The State reserves the right to separately procure individual requirements that are the subject of the contract during the contract term, when deemed by the Director to be in the State's best interest.

5.8 ITEMS ORDERED AND DELIVERED

The Using Agency[ies] are authorized to order and the contractor is authorized to ship only those items covered by the contracts resulting from this RFP. If a review of orders placed by the Using Agency reveals that item other than that covered by the contract has been ordered and delivered, such delivery shall be a violation of the terms of the contract and may be considered by the Director in the termination of the contract or in the award of any subsequent contract. The Director may take such steps as are necessary to have the

item returned by the Agency, regardless of the time between the date of delivery and discovery of the violation. In such event, the contractor shall reimburse the State the full purchase price.

The contract involves items which are necessary for the continuation of ongoing critical State services. Any delay in delivery of these items would disrupt State services and would force the State to immediately seek alternative sources of supply on an emergency basis. Timely delivery is critical to meeting the State's ongoing needs.

5.9 RESERVED

5.10 REMEDIES FOR NON-PERFORMANCE

In the event that the contractor fails to comply with any contract requirements, the Director may take steps to terminate the contract in accordance with the State administrative code. In this event, the Director may authorize the delivery of contract items by any available means, with the difference between the price paid and the defaulting contractor's price either being deducted from any monies due the defaulting contractor or being an obligation owed the State by the defaulting contractor.

All products must conform in every respect to the standards and regulations established by Federal and New Jersey State laws.

5.11 THROUGH 5.13 RESERVED

5.14 PERFORMANCE BOND

Not applicable.

5.15 CLAIMS

All claims asserted against the State by the contractor shall be subject to the New Jersey Tort Claims Act, N.J.S.A. 59:1- 1.1, et seq., and/or the New Jersey Contractual Liability Act, N.J.S.A. 59:13-1, et seq.

5.16 CONTRACT ACTIVITY REPORT

In conjunction with the standard record keeping requirements of this contract, as listed in paragraph 3.19 of this RFP's standard terms and conditions, the contractor must provide, on a yearly basis, to the Purchase Bureau buyer assigned, a record of all purchases made by the non-State Agencies under its contract. This information must be provided in a tabular format such that an analysis can be made to determine the following:

-Contractor's total sales volume under contract, subtotaled by product.

Submission of purchase orders, confirmations, and/or invoices do not fulfill this contract requirement.

Contractors are encouraged to submit the required information in electronic spreadsheet format. The Purchase Bureau uses Microsoft Excel.

Failure to submit these mandated reports will be a factor in future award decisions.

6.0 PROPOSAL EVALUATION/CONTRACT AWARD

6.1 EVALUATION CRITERIA

The following criteria, not in any particular order, will be used to evaluate each bid.

6.1.1 Compliance with this RFP's technical specifications.

6.1.2 Compliance with this RFP's terms and conditions.

6.1.3 Price bid.

6.1.4 Past performance under State of New Jersey contracts.

6.1.5 Delivery schedule bid.

I M P O R T A N T N O T E: The State reserves the right to request any information necessary to carry out the bid evaluation, confirm that the bid proposal submitted is complete and accurate and/or clarify any ambiguity in the bid proposal. Bidders shall provide the required information within twenty-four (24) hours of notification of such request. Failure to do so may necessitate
rejection of the bid proposal as non-responsive.

6.2 ORAL PRESENTATION AND/OR CLARIFICATION OF BID PROPOSAL

After the submission of bid proposals, unless requested by the State, contact with the State is limited to status inquiries only and such inquiries are only to be directed to the buyer. Any further contact or information about the proposal to the buyer or any other State official connected with the solicitation will be considered an impermissible supplementation of the bidder's bid proposal.

A bidder may be required to give an oral presentation to the Evaluation Committee concerning its bid proposal. The Evaluation Committee may also require a bidder to submit written responses to questions regarding its bid proposal.

The purpose of such communication with a bidder, either through an oral presentation or a letter of clarification, is to provide an opportunity for the bidder to clarify or elaborate on its bid proposal. Original bid proposals submitted, however, cannot be supplemented, changed, or corrected in any way. No comments regarding other bid proposals are permitted. Bidders may not attend presentations made by their competitors.

It is within the Evaluation Committee’s discretion whether to require a bidder to give an oral presentation or require a bidder to submit written responses to questions regarding its bid proposal. Action by the Evaluation Committee in this regard should not be construed to imply acceptance or rejection of a bid proposal. The Purchase Bureau buyer will be the sole point of contact regarding any request for an oral presentation or clarification.

6.3 CONTRACT AWARD

6.3.1 A single award shall be made with reasonable promptness by written notice to that responsible bidder whose bid, conforming to the RFP, will be the most advantageous to the State, price and other factors considered.

6.3.2 The State reserves the right to cancel this RFP if it is in the best interest of the State to do so.

7.0 ATTACHMENTS, SUPPLEMENTS AND APPENDICES

Reserved.