

10/28/2011

**E.O.D./BOMB SQUAD VEHICLE
4 X 4**

Specifications

MBS-16

INSTRUCTIONS TO BIDDERS

This specification covers a new commercially built surface emergency response vehicle herein after referred to as module or vehicle. A vehicle in compliance with this specification shall be defined as a standard emergency vehicle. This vehicle shall be in accord with the Design Criteria of the National Highway Traffic Administration, U.S. Department of Transportation, Washington, D.C.

The purpose of this document is to provide minimum specifications and test parameters for the manufacture of an emergency vehicle that meets the needs and desires of this agency. It establishes essential criteria for the design, performance, equipment, and appearance of the vehicle. All dimensions listed are given as the approximate sizes required to meet the requirements of this department. The object is to provide a vehicle that is in accordance with nationally recognized guidelines. All vendors and manufacturers must meet all state and local regulations regarding the manufacturing, licensing, and sale of emergency rescue vehicles within the state.

This is an engineer, design, construct, and deliver type specification and it is not the intention of this agency to write out vendors or manufacturers of similar or equal equipment of the types specified. It should be noted, however, that this specification is written around the specific requirements of this department. With the intent to standardize certain components, certain specific brands have been specified in places. This has been done to establish a certain standard of quality. Other brands will be accepted providing the vendor or manufacturer details how another brand will meet or exceed the quality of the actual brand specified. Because of this, the Review Board reserves the right to accept or reject any and/or all bids.

The emergency vehicle, chassis, modular body, equipment, devices, accessories, and electronic equipment to be delivered under this contract shall be standard commercial products that meet or exceed the requirements of this specification. The vehicle shall comply with all Federal Motor Vehicle Safety Standards (FMVSS) and Federal regulations applicable or specified for the year of manufacture. The chassis, components, and optional items shall be represented in the manufacturer's current technical data. Materials used in the construction shall be new and not less than the quality conforming to current engineering and manufacturing practices. Materials shall be free of defects and shall be suitable for the intended use.

Any exceptions to these specifications must be clearly pointed out. Otherwise, it will be considered that the items offered are in strict compliance with the written specifications and that the successful bidder will be responsible for delivering a vehicle meeting these specifications. Any exceptions must be marked as such within the body of the bid and explained on a separate page marked "**EXCEPTIONS**".

OVERALL DIMENSIONS

Overall Vehicle Length – 286.5”
Overall Body Length – 197”
Overall Body Height – 142”
Wheelbase – 232”
Overall Body Width – 96”

Does bidder comply with specifications as written?

Yes _____ No _____

INFORMATION AND DESCRIPTIVE MATERIAL

The bidder must furnish all information requested in the space provided on the bid form. The manufacturer must also supply at least one [1] complete set of C.A.D. Drawings, descriptive literature, and complete specifications covering the products offered. Bids not meeting this requirement will be considered non-responsive and rejected.

Does bidder comply with specifications as written?

Yes _____ No _____

PRICES AND PAYMENTS

All bid prices shall be on a F.O.B. destination and acceptance basis at the Purchaser's specified location. These Prices shall be complete and include warranty. Payment shall be made in accordance with these specifications and the Bid Proposal submitted by the Bidder. Payment shall be made upon acceptance of the vehicle(s) and equipment specified under these specifications. All bid prices and conditions must be specified on the bid proposal form. Bid prices shall be valid for at least thirty- [30] days from the date of the bid opening or as otherwise specified on the bid proposal form. Full payment shall be made as each unit is received, inspected, and found to comply with the procurement specifications.

Does bidder comply with specifications as written?

Yes _____ No _____

WARRANTY

There shall be provided a five year modular body structural warranty. The five year structural warranty period shall also remain in effect should the modular body be remounted onto a new chassis. This remount must be performed at a service center authorized by the original manufacturer.

Does bidder comply with specifications as written?

Yes _____ No _____

WARRANTY SURETY

To ensure quality, service, and full compliance to the above warranties the vehicle, with the exception of the chassis, must be constructed by the body manufacturer. Additional elements constructed and installed "in house" are required to ensure service and parts availability. Subcontractors or lease/rental agreements to outside agencies will fail to meet this requirement. NO EXCEPTIONS WILL BE ALLOWED.

- Does the body manufacturer as the prime contractor construct the modular body?
- Does the body manufacturer as the prime contractor apply paint?
- Are interior cabinets installed by the body manufacturer as the prime contractor?
- Are the wiring harnesses, circuit boards, H.V.A.C., and electronics assembled, installed and tested by the body manufacturer as the prime contractor?
- Is the upholstery for seat cushions, head pads, and backrests assembled and installed by the body manufacturer as the prime contractor?

Does bidder comply with specifications as written?

Yes _____ No _____

DELIVERY

Since delivery proposals by the bidder will weigh heavily in the determination of the bid award, the delivery schedules that are submitted by the bidders shall automatically become binding upon the successful bidder. Delivery delays due to component supply problems or chassis delivery problems to the manufacturer shall not penalize either the dealer or the manufacturer. Delivery must be within a maximum of six- [6] months from the date of the award of the bid.

Does bidder comply with specifications as written?

Yes _____ No _____

ANTI-COLLUSION STATEMENT

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

Company Name: _____

Bidder Signature: _____

Data Signed: _____

Does bidder comply with specifications as written?

Yes _____ No _____

SERVICE FACILITY

The successful bidder must have access to a service facility. Bidders must list below the nearest service facility and parts department to the purchaser.

Facility Name: _____

Address: _____

Phone Number: _____

Contact Name: _____

Approximate Miles
From Purchaser: _____

Does bidder comply with specifications as written?

Yes _____ No _____

REFERENCES

All bidders must submit a list containing a minimum of five [5] customers who are operating a similar vehicle as described in this specification. The customer reference list shall contain the Department name, address, phone number and contact person.

Does bidder comply with specifications as written?

Yes _____ No _____

QUALITY ASSURANCE

To ensure the purchaser that proper engineering and production control guidelines have been implemented the body manufacturer shall employ an integrated quality and process control program including specific process controls for facets of the manufacturing process deemed to be critical. These critical elements of the process shall be documented and that documentation shall be available not only to manufacturing personnel but also customers who visit the manufacturing facilities. The critical elements shall be denoted on the vehicle control document, which accompanies the vehicle through the manufacturing process. A sample of this document shall be available to the purchaser upon request. A continuous series of inspections shall be performed and signed off on the vehicle control document and shall include but not be limited to the following:

Conduct a visual inspection of the vehicle body, body welds, and exterior attachments.

Conduct a visual and mechanical inspection of the heater/air conditioning lines, cables, grommets, valve connections, clamps, mounting brackets, belts, etc.

Conduct a visual inspection of the interior cabinets, also sliding/hinged cabinet doors, moldings, flooring, walls, headliner, and cushions.

Conduct a Visual inspection of the vehicle exterior paint, decals, and lettering.

Conduct an operational inspection of all electrical systems of the vehicle. This must consist of tests of battery voltage, electrical load tests, alternator output, beacons, flashers, siren, interior lighting, compartment lighting, power exhaust vent, scene lights, load lights, chassis lights, silent signal lights/buzzer, heat/cool unit, and any optional electrical devices as furnished by the manufacturer. The current requirements of each device tested must be noted on an inspection sheet together with the total current requirements.

All chassis fluid levels shall be checked and filled to capacity. All doors, locks, windows, tires, etc. shall be inspected for proper operation and/or condition.

The completed vehicle must be test driven a minimum of ten [10] miles on paved highways and [5] miles on rough terrain to check handling, brakes, acceleration, and noises.

Does bidder comply with specifications as written? Yes _____ No _____

SERVICE

A toll free number for service requests shall be provided and this number should be the primary contact for all service requests. Scheduling, parts information, and technical support should be available during normal business hours at this toll free number. Additionally the manufacturer must maintain a complete stock of module body parts for rapid replacement when necessary.

Manufacturer must provide a minimum of \$5,000,000.00 in Liability and Workers Compensation Insurance. A copy of this insurance certificate should be provided with bid. **NO EXCEPTIONS**

Does bidder comply with specifications as written? Yes _____ No _____

CRITERIA TO EVALUATE BIDS

Listed below you will find the criteria to evaluate bids for the <INSERT AGENCY NAME HERE> These criteria will carry as much weight as LOW BID so that the office of the <INSERT NAME

HERE> in evaluating bids will be able to recommend a bid that will be in the best interest for the <INSERT AGENCY NAME HERE>. The criteria are as follows.

1. Low Bid
2. Availability: This unit is a replacement of equipment and consideration of availability will be considered in the award of the bid.
3. Parts availability
4. Rated maintenance and operating data
5. Similar makes and models in the fleet and our maintenance history with them.
6. Capability of vendor to supply the service required. Ability of unit offered to perform the task of the user or department
7. Warranty: The length and coverage, including any extended warranty.
8. Vendor Performance: How well the vendor performed.
 - a. Responsiveness
 - b. Assistance
 - c. Training requirements
 - d. Warranty claims

Does bidder comply with specifications as written? Yes _____ No _____

WITHDRAWAL OF BID

A Bidder may withdraw a bid any time prior to expiration of the period during which bids may be submitted by a written request signed in the same manner and by the same person who signed the Proposal. No bid may be withdrawn, modified, or otherwise changed once the bids have been opened. It will be assumed that each Bidder has thoroughly and completely familiarized themselves with these specifications at the time of the bid. Modifications to a bid, once submitted will not be permitted. Simply stated, if any item, feature, options, etc. Is not stated in writing in the Bidder's proposal, it will not be considered. Bidders are cautioned that verbal or written modifications to already opened bids are, neither valid, nor considered ethical and the comparison and selection of bid award will proceed only from what is stated in Bidder's written proposal. **NO EXCEPTIONS**

Does bidder comply with specifications as written? Yes _____ No _____

AUTHORITY TO PURCHASE FROM EXISTING CONTRACTS:

All bidders submitting a response to this Invitation to Bid agree that such response also constitutes a bid to all governmental agencies under the same conditions, for the same contract price, and for the same effective period as this bid, should the bidder feel it is in their best interest to do so.

Each governmental agency desiring to accept these bids and make an award thereof shall do so independently of any other governmental agency. Each agency shall be responsible for its own purchases and each shall be liable only for materials and/or services ordered and received by it, and no agency assumes any liability by virtue of this bid. This agreement in no way restricts or interferes with the right of any governmental agency to bid any or all items.

Does bidder comply with specifications as written? Yes _____ No _____

MANUFACTURING CAPABILITY

Manufacturer must submit proof of a minimum of 25 years manufacturing experience as the same entity

Does bidder comply with specifications as written? Yes _____ No _____

ENGINEERING CAPABILITY

To demonstrate your company's abilities and to show understanding of the written bid specifications, each manufacturer must submit with the bid, scale drawings of the vehicle it proposes to supply. Drawings must be "design and construct" drawings that will be used in the manufacture of the vehicle. At a minimum they must show overall dimensions, compartment sizes, lighting package, and major specified options. The drawings should show the front, rear, right side, and the left side of the exterior. They should also include the interior bulkhead, street side, curb side cabinet plans and the interior floor plan layout. The reproduction of the drawing furnished with the bid will not be acceptable as each manufacturer utilizes different material sizes and construction techniques. **NO EXCEPTIONS**

Does bidder comply with specifications as written? Yes _____ No _____

PLANT FACILITY

To demonstrate a Manufacturers capability, pictures of the interior of the plant facility during production hours must be submitted. A minimum of four plant photographs and one office photograph shall be supplied. One of the plant photographs must be an overhead view showing facility from the air.

Does bidder comply with specifications as written? Yes _____ No _____

EMPLOYEE STATEMENT

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

Does bidder comply with specifications as written? Yes _____ No _____

PRE-CONSTRUCTION CONFERENCE

The successful contractor(s) shall be required prior to manufacturing to have a Pre-Construction conference at the site of his choosing with representatives of this agency to finalize all the construction details. If the bidder requires the conference to be held at a location other than that of the purchaser, the bidder at his/her expense shall provide transportation, lodging and meals, etc., for two people designated by the purchaser. If this meeting is to occur at a location more than 100 miles from the purchaser's location, the transportation shall be by commercial air carrier.

Does bidder comply with specifications as written? Yes _____ No _____

FINAL INSPECTION

Two (2) members of the <insert name of department> Department, will travel to the manufacturers plant for the purpose of inspecting the vehicle for compliance to the specifications and for the overall quality of the vehicle.

Costs shall include air transportation on a major commercial carrier to the nearest airport (ground transportation shall not exceed two hours), individual rooms, and meals. Inspections shall be scheduled and funded to be conducted during weekdays, including travel time.

Does bidder comply with specifications as written? Yes _____ No _____

GENERAL VEHICLE DESIGN, TYPE, AND FLOORPLAN

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

Does bidder comply with specifications as written? Yes _____ No _____

INTERIOR HEADROOM

84" of interior headroom shall be provided inside the body. It shall be free of obstructions for the occupant's safety and shall meet or exceed all transportation and regulatory requirements.

Does bidder comply with specifications as written? Yes _____ No _____

TECHNICAL REQUIREMENTS CAB/CHASSIS

The emergency vehicle shall be a cab chassis model and the chassis will be furnished with a two-door cab. The cab/chassis shall be suitable for subsequent mounting of a modular (containerized) transferable equipped vehicle body conforming to the requirements specified herein.

Does bidder comply with specifications as written? Yes _____ No _____

CHASSIS MODEL AND TYPE

Model Profile

NAVISTAR 2012 4300M7 SBA 4X4 (MR065)

Vehicle Specifications 2012 4300M7 SBA 4X4 (MR065)

Code MR06500 Description Base Chassis, Model 4300M7 SBA 4X4 with 232.00

Wheelbase, 121.00 CA, and 75.00 Axle to Frame.

- 1CAG FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.250" x 3.610" x 0.375" (260.4mm x 91.7mm x 9.5mm); 456.0" (11582mm) Maximum OAL
- 1LNN BUMPER, FRONT Full Width, Aerodynamic, Chrome Plated Steel; 0.142" Material Thickness
- 1WEC WHEELBASE RANGE 185" (470cm) Through and Including 236" (600cm)
- 2EZJ AXLE, FRONT DRIVING {Fabco FSD-10A} Single Reduction, 10,000 lb Capacity
Includes: DRAIN PLUG, DRIVING FRONT AXLE Magnetic
Notes: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
- 3ADB SUSPENSION, FRONT, SPRING Parabolic, Taper Leaf; 10,000-lb Capacity; With Shock Absorbers
Includes: SPRING PINS Rubber Bushings, Maintenance-Free
Notes: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
- 4091 BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
Includes : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SLACK ADJUSTERS, FRONT Automatic : SLACK ADJUSTERS, REAR Automatic : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4
Notes: Front and Rear Dust Shields not included: Rear Axle is Limited to 19,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NCL BRAKES, REAR, AIR CAM Regardless of Axle/Suspension Ordered. : Rear Axle is Limited to 20,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Code 04NCG BRAKES, REAR, AIR CAM regardless of Axle/Suspension Ordered.
- 4619 TRAILER CONNECTIONS Four-Wheel, With Hand Control Valve and Tractor Protection Valve, for Straight Truck
- 4722 DRAIN VALVE {Bendix DV-2} Automatic; With Heater; for Air Tank
Includes: DRAIN VALVE Mounted in Wet Tank
Description AIR BRAKE ABS {Bendix Anti-Lock Brake System} Full Vehicle Wheel Control System (4-Channel)
- 4EBT AIR DRYER {Bendix AD-IP} With Heater
Includes: AIR DRYER LOCATION Inside Left Rail, Back of Cab
- 4ESX BRAKE CHAMBERS, FRONT AXLE {Haldex} 20 SqIn
- 4EVL BRAKE CHAMBERS, REAR AXLE {Haldex GC3030LHDHO} 30/30 Spring Brake
Includes: BRAKE CHAMBERS, SPRING (2) Rear Parking; WITH TRUCK BRAKES: All 4x2, 4x4; WITH TRACTOR BRAKES: All 4x2, 4x4; 6x4 & 6x6 with Rear Tandem Axles Less Than 46,000-lb. or GVWR Less Than 54,000-lb.
- 4JCJ BRAKES, FRONT, AIR CAM S-Cam; 16.5" x 5.0"; Includes 20 Sq. In. Long Stroke Brake Chambers
Notes: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.
- 4NDB BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Square Inch Long Stroke Brake Chamber and Spring Actuated Parking Brake
Notes: The following features should be considered when calculating Front GAWR: Front Axles; Front Suspension; Brake System; Brakes, Front Air Cam; Wheels; Tires.

- 4SBC AIR COMPRESSOR {Bendix Tu-Flo 550} 13.2 CFM Capacity
- 4VBC AIR DRYER LOCATION Mounted to Battery Box, Left side, Under Cab
- 4WEV BRAKE PACKAGE, REAR {Bendix Spicer ES-165-7} Air, Cam Type, Extended Service; Size 16.5" x 7", Includes Gunitite Slack Adjusters
- 4WEX BRAKE PACKAGE, FRONT {Bendix Spicer ES-165-5} Air, Cam Type, Extended Service; Size 16.5" x 5", Includes Gunitite Slack Adjusters
- 5710 STEERING COLUMN Tilting and Telescoping
- 5CAL STEERING WHEEL 2-Spoke, 18" Diam., Black
- 5PSA STEERING GEAR {Sheppard M-100} Power
- 7BHH EXHAUST SYSTEM Single, Horizontal, After-treatment Device Frame Mounted Left Side Back of Cab; Includes Side Discharge Horizontal Tail Pipe
- 7WZX SWITCH, FOR EXHAUST 3 Position, Momentary, Lighted Momentary, ON/ CANCEL, Center Stable, INHIBIT REGEN, Mounted in IP Inhibits Diesel Particulate Filter Regeneration When Switch is Moved to ON While Engine is Running, Resets When Ignition is Turned OFF
- 8000 ELECTRICAL SYSTEM 12-Volt, Standard Equipment
Includes: BATTERY BOX steel : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab : FUSES, ELECTRICAL SAE Blade-Type : HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : HORN, ELECTRIC Single
Description : JUMP START STUD Located on Positive Terminal of Outermost Battery : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light : STARTER SWITCH Electric, Key Operated : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector : TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers; Flush Mounted: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted : WIRING, CHASSIS Color Coded and Continuously Numbered
- 8518 CIGAR LIGHTER Includes Ash Cup
- 8718 POWER SOURCE Cigar Type Receptacle without Plug and Cord
- 8GWY ALTERNATOR {Leece-Neville 14931PAH} Brush Type, 12 Volt 320 Amp. Capacity, Pad Mounted
- 8HAE BODY BUILDER WIRING Rear of Frame; Includes Sealed Connectors for Tail/ Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn
- 8HAG ELECTRIC TRAILER BRAKE/LIGHTS Accommodation Package to Rear of Frame; for Separate Trailer Stop, Tail, Turn, Marker Light Circuits; Includes Electric Trailer Brake accommodation package With Cab Connections for Mounting Customer Installed Electric Brake Unit, Less Trailer Socket
- 8MEZ BATTERY SYSTEM {International} Maintenance-Free, (2) 12-Volt 1850CCA Total
- 8RGA 2-WAY RADIO Wiring Effects; Wiring With 20 Amp Fuse Protection, Includes Ignition Wire With 5 Amp Fuse, Wire Ends Heat Shrink and Routed to Center of Header Console in Cab
- 8RKH RADIO {International} AM/FM Premium Stereo, With CD Player, Weather-band, Clock, Front & Rear Aux Input, USB Port, and Multiple Speakers, Includes iPod Command and Control
Includes

- : SPEAKERS IN CAB (2) Coaxial with Deluxe Interior: SPEAKERS IN CAB (4) Coaxial with Premium Interior
- 8THB BACK-UP ALARM Electric, 102 dBA
- 8TKK TRAILER AUXILIARY FEED CIRCUIT for Electric Trailer Brake Accommodation/ Air Trailer ABS; With 30 Amp Fuse and Relay, Controlled by Ignition Switch
- 8WCL HORN, AIR Black, Single Trumpet, Air Solenoid Operated
- 8WEE SWITCH, AIR HORN, PASSENGER Fire Truck Application; Momentary Switch Located in Instrument Panel Close to Passenger, Driver Also To Activate Switch at Steering Wheel
- 8WJV BATTERY DISCONNECT SWITCH {Joseph Pollak} for Cab Power Disconnect Switch; Lever Operated, Disconnects Power to PDC, Does Not Disconnect Charging Circuits, Cab Mounted
- 8WPB HEADLIGHTS Halogen; Composite Aero Design for Two Light System; Includes Daytime Running Lights
- 8WPH CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
Description INDICATOR, LOW COOLANT LEVEL with Audible Alarm
- 8WXB HEADLIGHT WARNING BUZZER Sounds When Head Light Switch is on and Ignition Switch is in "Off" Position
- 8WXD ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner When Vehicle Park Brake is "NOT" Set, With Ignition "OFF" and any Door Opened
- 8WYD STARTING MOTOR {Delco Remy 29MT} 12 Volt; Less Thermal Over-Crank Protection, With Integrated Magnetic Switch
- 8XAH CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses
- 9HAD GRILLE Chrome
- 9HAN INSULATION, UNDER HOOD for Sound Abatement
- 9HBN INSULATION, SPLASH PANELS for Sound Abatement
- 9WAY FRONT END Tilting, Fiberglass, With Three Piece Construction
- 10060 PAINT SCHEMATIC, PT-1 Single Color, Design 100
Includes: PAINT SCHEMATIC ID LETTERS "GA"
- 10761 PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
- 10769 PAINT CLASS Premium Color.
- 10WGD SPECIAL RATING, GVWR Limited to 25,999-lb GVWR
- 11001 CLUTCH Omit Item (Clutch & Control)
- 12890 BLOCK HEATER, ENGINE {Phillips} 120 Volt/1000 Watt
Includes: BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
- 12NVE ENGINE, DIESEL {MaxxFORCE 7} EPA 10, 300 HP @ 2600 RPM, 660 lb-ft Torque @ 1600 RPM, 2800 RPM Governed Speed, 300 Peak HP (Max)
Includes : AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated (Air Brake Chassis Only) : ANTI-FREEZE Red Shell Rotella Extended Life Coolant; -40 Degrees F/ -40 Degrees C; for MaxxFORCE Engines : CRUISE CONTROL Electronic; Controls Integral to Steering Wheel : ENGINE OIL DRAIN PLUG Magnetic : ENGINE SHUTDOWN Electric, Key Operated : FUEL FILTER Engine Mounted : FUEL HEATER Included with Fuel/Water Separator : FUEL/WATER SEPARATOR Engine Mounted : GLOW PLUG Automatic with Indicator Light : GOVERNOR Electronic : OIL FILTER, ENGINE Drop-In Cartridge Type
- 12TSY FAN DRIVE {Borg-Warner SA85} Viscous Type, Screw On
Includes: FAN Nylon

- Description** RADIATOR Aluminum; 2-Row, Cross Flow, Over under System, 817 Square Inch Louvered, With 262 Square Inch CAC, With In Tank Oil Cooler
Includes: DEAERATION SYSTEM with Surge Tank: HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps: RADIATOR HOSES Premium, Rubber
- 12VBR AIR CLEANER with Service Protection Element
Includes: GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted
- 12VXT THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
- 12VZA ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls; With Ignition Switch Control for MaxxFace post 2007 Emissions Electronic Engines
- 12VZD FEDERAL EMISSIONS for 2010; MaxxFace 7 Engines
- 12WTA FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted
- 12WZD EMISSION COMPLIANCE Engine Shutdown System Exempt Vehicles, Complies With California Clean Air Regulations
- 13ALV TRANSMISSION, AUTOMATIC {Allison 2500_EVS_P} 4th Generation Controls; Wide Ratio, 5-Speed, With Overdrive; With PTO Provision, Less Retarder, With 33,000-lb GVW & GCW Max.
Includes: OIL FILTER, TRANSMISSION Mounted on transmission :
- TRANSMISSION OIL PAN Magnet in Oil Pan
- 13TKH TRANSFER CASE {Fabco TC-38} Two-Speed, 6,000 lb-ft Capacity with Air Control, With PTO Provision, With Reworked Air Ports
Includes: LIGHT, INDIC, ALL-WHEEL DRIVE Illuminates with All Wheel Drive Engaged, Located on Instrument Panel
- 13WLN TRANSMISSION OIL Synthetic; 20 thru 28 Pints
- 13WYL SHIFT CONTROL PARAMETERS Allison Performance Programming in Primary and Allison Economy Programming in Secondary
- 14ANP AXLE, REAR, SINGLE {Meritor MS-17-14X-3DFL} Single Reduction, 17,500-lb Capacity, With 190 Wheel Ends. Gear Ratio: 4.33
Notes: The following features should be considered when calculating Rear GAWR: Rear Axles; Rear Suspension; Brake System; Brakes, Rear Air Cam; Brake Shoes, Rear; Special Rating, GAWR; Wheels; Tires.
- 14VAG SUSPENSION, RR, SPRING, SINGLE Vari-Rate; 20,000-lb Capacity, With 4500 lb Auxiliary Rubber Spring
- 15SGK FUEL TANK Top Draw; D Style, Non Polished Aluminum, 50 U.S. Gal., 189 L Capacity, 16" Deep, With Quick Connect Outlet, Mounted Right Side, Under Cab
- 16196 CAB Conventional 6-Man Crew Cab
- Code Description** Includes : ARM REST (2) Molded Plastic; One Each Door : CLEARANCE/MARKER LIGHTS (5) Flush Mounted : COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window : CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel : GLASS, ALL WINDOWS Tinted : GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side : GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side : GRAB HANDLE, CAB INTERIOR (4) Two Each Side, Rear Door Mounted at Hinge Side and "C" Pillar Mounted : INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color : STEP (8) Two Steps Per Door

Notes: 43.9" CA Loss

- 16HBA GAUGE CLUSTER English With English Electronic Speedometer
Includes : GAUGE CLUSTER (5) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter : ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout : WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)
- 16HGH GAUGE, OIL TEMP, ALLISON TRAN
- 16HHE GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} With Black Bezel Mounted in Instrument Panel
- 16HKT IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
- 16JNV SEAT, DRIVER {National 2000} Air Suspension, High Back With Integral Headrest, Cloth, Isolator, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, -3 to +14 Degree Back Angle Adjust
Includes: SEAT BELT 3-Point, Lap and Shoulder Belt Type
- 16LJZ SEAT, REAR {National 2000} Two Individual Outboard Seats, NFPA Compliant, Air Suspension, High Back, Cloth, Isolator, Lumbar, With 2 Position Front Cushion Adjustment, -3 to +14 Degree Back Angle Adjust, With 18" Wide Cushion and 20" Seat Back
Includes: SEAT BELT Two 3-Point Shoulder Belts
- 16RPX SEAT, PASSENGER {National} Air-Suspension, High Back With Integral Headrest, Cloth, Isolated, 1 Chamber Lumbar, 2 Position Front Cushion Adjustment, -3 to +14 Degree Seat Back Adjustment
Includes: SEAT BELT 3-Point, Lap and Shoulder Belt Type
- 16SDC GRAB HANDLE (2) Chrome Towel Bar Type With Anti-Slip Rubber Inserts; for Cab Entry, Mounted Left and Right, Each Side at "B" Pillar
Description MIRRORS (2) {Lang Mekra} Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Sides, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatically Controlled, Power Both Sides, Clearance Lights LED, Bright Finish Heads & Brackets
- 16VSL WINDSHIELD Heated, Single Piece
- 16WBY ARM REST, RIGHT, DRIVER SEAT
- 16WBZ ARM REST, LEFT, PASSENGER SEAT
- 16WCT AIR CONDITIONER {Blend-Air} With Integral Heater & Defroster
Includes
: CLAMPS, HEATER HOSE Mubea Constant Tension Clamps
: HEATER HOSES Premium : REFRIGERANT Hydrofluorocarbon HFC-134A
- 16WJS INSTRUMENT PANEL Center Section, Flat Panel
- 16WJV WINDOW, POWER (4) And Power Door Locks, Front and Rear Doors, Left and Right, Includes Express Down Feature
- 16WKY HVAC FRESH AIR FILTER
- 16WLE STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door
- 16WSJ CAB INTERIOR TRIM Premium; for Crew Cab
Includes
: "A" PILLAR COVER Molded Plastic
: CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering

- : CAB SOUND INSULATION Includes Dash and Engine Cover Insulators
- : CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets, CB Radio Pocket, Speakers, and Reading Lights
- : COURTESY LIGHT (4) Mounted In Front and Rear Map Pockets - Left and Right Sides
- : DOOR TRIM PANELS with Cloth Insert on Bolster Driver and Passenger Doors :
- FLOOR COVERING Rubber, Black
- : GAUGE, TEMPERATURE, AMBIENT Includes Compass Readout and Wiring and Sensor With Display Unit Mounted in Cluster
- : HEADLINER Soft Padded Cloth : INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section
- : STORAGE POCKET, DOOR (2) Molded Plastic (Carpet Texture), Full-Length; Driver and Passenger Doors
- : SUN VISOR (3) Padded Vinyl: 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Vanity Mirror and Toll Ticket Strap, plus 1 Auxiliary Visor (Front Only), Driver Side

16WSK CAB REAR SUSPENSION Air Bag Type

27DPZ WHEELS, FRONT DISC; 22.5" Polished Aluminum, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs

Notes

: Aluminum Wheels not Painted or Coated

: Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5

Description WHEELS, REAR DUAL DISC; 22.5" Polished Aluminum, 10-Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 7.50 DC Rims; With Steel Hubs

Notes: Aluminum Wheels not Painted or Coated : Compatible Tire Sizes: 9R22.5, 10R22.5, 11R22.5, 235/80R22.5, 245/75R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5 : Polished Surface Outside Dual Only

7702608102 (2) TIRE, FRONT 245/75R22.5 G622 RSD (GOODYEAR) 552 rev/mile, load range G, 14 ply

7702608102 (4) TIRE, REAR 245/75R22.5 G622 RSD (GOODYEAR) 552 rev/mile, load range G, 14 ply

Cab schematic 100GA

Location 1: 6C11, Ocean Blue Metallic (Premium)

Chassis schematic N/A

Does bidder comply with specifications as written?

Yes _____ No _____

FUEL SYSTEM CAPACITY

The fuel system capacity shall be a minimum of 50 gallons and shall meet FMVSS 301 "Fuel System Integrity".

Does bidder comply with specifications as written?

Yes _____ No _____

BULKHEAD CAB

The bulkhead cab wall shall be the OEM wall, which matches the dash color scheme.

Does bidder comply with specifications as written?

Yes _____ No _____

ENGINE BLOCK HEATER

The OEM chassis engine block heater shall be wired to the external 115 volt power source.

Does bidder comply with specifications as written?

Yes _____ No _____

TIRE FILL EXTENSIONS

Stainless steel braided fill extensions shall be provided on all inside rear tires of the dual rear wheel vehicle.

Does bidder comply with specifications as written?

Yes _____ No _____

REAR TOW HITCH

The vehicle shall be equipped with a rear tow hitch centered on the rear bumper and attached to the chassis frame rails. The hitch shall be a Class V hitch size with a 10,000 lb. trailer weight and a 1200 hitch weight.

Does bidder comply with specifications as written?

Yes _____ No _____

VEHICLE WIRING

All insulated cable shall conform to SAE J1292 requirements and shall have type GXL high temperature thermoplastic insulation conforming to SAE J1127 and J1128. All wire shall be of a gauge size to carry 125% of the current required without overheating. Where practical, all wires shall be routed in high temperature looms with a rating of 300 degrees Fahrenheit. All conductors shall be annealed copper with machine crimps. Wiring harnesses shall be assembled and warranted by the vehicle manufacturer. All 110VAC wiring shall be fully tinned, type 3 stranded copper round safety duplex boat cable approved by Underwriters Laboratories. The safety color coding of white and black conductors with a green ground are found inside of a white jacket. This cable is UL listed boat cable 600V with a 105C temp rating and meets all approvals from ABYC and United States Coast Guard.

NO EXCEPTIONS WILL BE ALLOWED.

Does bidder comply with specifications as written?

Yes _____ No _____

ELECTRIC CONTROL CENTER

A dedicated cabinet will house the electrical components. Solenoids, relays, circuit breakers shall be behind a door and are to be mounted securely to the inside of the electrical control center This door shall hinge out of the way for free movement and for ease of maintenance and repair and shall have a latch to secure the door and be large enough for complete and unobstructed inspection. Ample venting shall be supplied.

Does bidder comply with specifications as written?

Yes _____ No _____

INSTALLATION AND PROTECTION

Wires must be grouped or harnessed where practical. Metal edges through which cables pass shall be protected with nonmetallic bushings or grommets. All auxiliary circuits shall be wired separate and distinct from the vehicle chassis circuits. All wire passing from the console head shall be encased in a heavy-duty loom. All wiring shall be clipped or otherwise attached at suitable intervals to prevent rubbing or chafing due to wire movement, vibration, etc.

Does bidder comply with specifications as written?

Yes _____ No _____

INTERNAL 12 VOLT DC POWER

When specified all internal 12 volt DC power circuits shall be 12 VDC 20 amp capacities with separately protected circuits. Circuit protection shall be accomplished by the use of manual breakers mounted in the Master Control Center. Due to the potential danger associated with a separate "battery hot" circuit, no exception to the above will be accepted.

Does bidder comply with specifications as written? Yes _____ No _____

CIRCUIT BOARD 12V PANEL

The 12 VDC 100 AMP circuit board panel shall be a blade fuse block with cover with a negative buss. It shall be of reinforced polycarbonate and the cover shall be clear polycarbonate. Labels shall be included to identify circuits and be protected by cover. It shall accept Blade fuses and have 6 to 12 circuits available. It shall meet ABYC/USCG requirements.

Does bidder comply with specifications as written? Yes _____ No _____

115 VOLT AC POWER

There shall be 115 volt AC wiring furnished. A three-wire system is used for powering certain equipment, battery charger, etc. The system shall incorporate GFI devices with 15 amp circuit breakers that can also be used as a disconnect switch for the interior 115 volt outlets. The GFI devices shall be located in the galley, bath, communications, and conference areas at a minimum. All exterior receptacles shall be GFI protected. When an inverter is specified, an automatic transfer switch shall be furnished which will turn off the inverter 115 volt supply when the 115 volt utility shoreline power is applied.

Does bidder comply with specifications as written? Yes _____ No _____

CIRCUIT BOARD 110V PANEL

The 120/240 VAC 100 AMP circuit board panel shall be a NEMA-1 rated, UL listed single phase with fixed main-lugs and ten spaces. It shall be installed in the dedicated electrical compartment

Does bidder comply with specifications as written? Yes _____ No _____

EXTERIOR SHORE POWER-50 AMP

There shall be a 220 volt twist-lock male plug rated at 50 amps or more with a friction-assisted cover assembly, UL listed for exterior use, located on the driver's side of the body close to the driver's door. This shall energize the vehicle's 115 volt AC circuit from an exterior power source. This connector must be labeled: "115 volt AC, 60 Hz, 60 amp power supply". A 25' cord shall be furnished.

Does bidder comply with specifications as written? Yes _____ No _____

BATTERY CONDITIONER

One (1) Intelli-Power, model #PD9160A, 60 ampere battery conditioner shall be provided and installed. The conditioner shall automatically charge the vehicle dual battery system. The input range shall be 96 - 140 volts A.C. With 40 - 70 Hz frequency range. The output range shall not exceed 14 volts D.C.

Does bidder comply with specifications as written? Yes _____ No _____

BATTERY ISOLATOR

Furnish and install one (1) 160 Amp battery isolator Model # 1602P, with an input voltage of 6-50VDC single input dual battery isolator.

Does bidder comply with specifications as written? Yes _____ No _____

INTERIOR 115 VOLT AC OUTLETS

There shall be 4 (4) three-wire duplex 115-volt AC receptacles. There shall be one [1] in the curbside counter area, one [1] in the street side robot storage area, and one [1] in the curb side robot area. There shall be red indicator lights located within each 115-volt outlet to indicate a live "hot" circuit. Add-on style indicators are not acceptable. The receptacles shall be clearly labeled: "115 VAC". The circuit shall be GFI protected.

Does bidder comply with specifications as written? Yes _____ No _____

EXTERIOR 115 VOLT AC OUTLETS

There shall be two (2) three-wire duplex 115-volt AC receptacles. There shall be one [1] in the curbside lower rear exterior area and one [1] in the street side lower rear exterior area. They shall be individually GFI protected. There shall be red indicator lights located within each 115-volt outlet to indicate a live "hot" circuit. Add-on style indicators are not acceptable. The receptacles shall be clearly labeled: "115 VAC".

Does bidder comply with specifications as written? Yes _____ No _____

POWER OUTLET-12 VDC

Two (2) 12 volt "cigarette" style outlet shall be installed in the upper section of the work station cabinet.

Does bidder comply with specifications as written? Yes _____ No _____

ELECTRICAL EQUIPMENT

All electrical equipment shall be electromagnetic radiation suppressed, filtered, or shielded to prevent interference to radio and telemetry equipment. The RFI shall not exceed SAE J551 limits.

Does bidder comply with specifications as written? Yes _____ No _____

SIREN/P.A. SYSTEM

A Whelen WS-295SLSA2 siren shall be furnished and installed. This shall be a hands free model.

Does bidder comply with specifications as written? Yes _____ No _____

SPEAKERS

Two Whelen #SA315 speakers shall be securely bolted through the chassis OEM front bumper on the driver's side and passenger's side.

Does bidder comply with specifications as written? Yes _____ No _____

BACKUP ALARM

A backup alarm shall be installed on the side of the chassis frame at the rear of the vehicle. This alarm will activate whenever the vehicle is put into reverse gear.

Does bidder comply with specifications as written? Yes _____ No _____

EXTERIOR LIGHTING

Exterior lighting shall conform to FMVSS 108 and consist of halogen headlights, LED ICC clearance lights with chrome brush guards, parking lights, hazard warning lights, license plate lights, tail, stop, and backup lights. Tail and stoplights shall have red, clear, and amber lenses. Electrical wires for the taillights shall be sealed to protect them from the elements of weather.

Does bidder comply with specifications as written? Yes _____ No _____

SCENE LIGHTS

Scene Lights shall be furnished and consist of four [4] Whelen 810 series white quartz halogen scene light with 8-32 degree optics, model number 810CA0ZR (or current model). One each shall be mounted on left side and right side of the body and two [2] on rear of vehicle. Two switches shall be provided to operate lights on either side of body and one switch for the rear lights.

Does bidder comply with specifications as written? Yes _____ No _____

FRONT BODY WARNING LIGHTS

Install two (2) Whelen 700 series blue LED flashing lights on upper front corners of vehicle. There shall be [1] on drivers side and two on passenger side.

Does bidder comply with specifications as written? Yes _____ No _____

REAR BODY WARNING LIGHTS

Install two [2] Whelen 700 series blue LED flashing lights on each of the upper rear corners of vehicle.

Does bidder comply with specifications as written? Yes _____ No _____

SIDE BODY WARNING LIGHTS

Install four [4] Whelen 700 series blue LED flashing lights one [1] each front and rear on the street side and curb side of the module body.

Does bidder comply with specifications as written? Yes _____ No _____

STOP & TAIL LIGHTS

Two (2) red Whelen LED 600 series, #60R00XRR light heads with optional chrome flange #6EFLANGE shall be mounted, one (1) on each side of rear body for stop and tail lights.

Does bidder comply with specifications as written? Yes _____ No _____

BACK UP LIGHTS

Two (2) clear Whelen LED 600 series, #60C00WCR maximum intensity light heads with optional chrome flange #6EFLANGE shall be mounted, one (1) on each side of rear body for back-up lights.

Does bidder comply with specifications as written? Yes _____ No _____

WARNING LIGHT FLASH REQUIREMENTS

Furnish and install one [1] Whelen UFM8 solid state flasher.

Does bidder comply with specifications as written? Yes _____ No _____

BODY CONSTRUCTION CHARACTERISTICS

The Aft Custom Body shall be 197" long and will be completely designed and manufactured in-house, and will be an all-aluminum body All body panels, structures, and extrusions shall be fabricated of aluminum using alloys consistent with the load requirements of the vehicle and capable of carrying the maximum payload allowed by the chassis. All framing and structural supports will be welded in accordance with the current standards set forth in the American Welding Society Code. The body shall have a seamless finish with no exposed fasteners. The body shall be attached to the chassis with hardened steel "U" bolts fastened to the chassis and body mounting rails. Treated pine sills shall be installed between the modular body and the chassis frame. The body shall be designed and constructed to insure a life expectancy of more than ten years with normal use. The body structure shall be built and warranted by the vehicle manufacturer.

Does bidder comply with specifications as written? Yes _____ No _____

ROOF

The roof shall be constructed of one-piece .075" Thermal Composite Panel. This panel shall be capable of preventing heat from sunlight being absorbed and shall reflect UV rays. The roof shall then be reinforced the entire length of the unit. For this reason, flat roofs shall be considered unacceptable.

Does bidder comply with specifications as written? Yes _____ No _____

WALLS

The sides shall be constructed of .040" pre-painted aluminum sheets with a highly corrosion resistant 5052H32 alloy with 2.5% magnesium and a tensile strength range of 28,000 to 33,000 psi. The body shall have straight sides free of waves and welding warp. The body panels shall be attached using VHB structural bonding tape. The use of rivets to attach the panels to the uprights is not allowed. The body channels and uprights shall be a highly corrosion resistant 6061T6 alloy.

Does bidder comply with specifications as written? Yes _____ No _____

FLOOR

The body floor shall have a 3" I-beam frame structure with main members all being fully welded and gusseted. This framework is mounted using rubber gaskets to prevent contact of dissimilar metals. The steel I-beam framing shall be on average of 16" on center. The floor frame is then covered the entire length with .040" aluminum sheet mounted under the subfloor to act as a heat shield and vapor barrier. The subfloor is then sealed and fastened to the floor structure.

Does bidder comply with specifications as written?

Yes _____ No _____

ENTRY DOOR

The door frame assembly shall be heavy duty extruded aluminum with a baked on enamel finish. It shall have three separate hinges with polymer bushings. The hinge system shall comply with FMVSS 206 and CMVSS 206. It shall have a sloped seal to promote drainage. The seals shall be large continuous automotive type held in by a T-slot. Use of adhesive seals is not permitted. The door core assembly is 1-13/16" thick with a 14 gauge steel inner frame that allows the door to be camber free. An automotive style lock with integral dead bolt shall be utilized. The door window shall be a radius

Does bidder comply with specifications as written?

Yes _____ No _____

DOOR WINDOW

The entry/egress door shall be provided with a 17" high x 12" wide window. It shall have tempered automotive safety glass.

Does bidder comply with specifications as written?

Yes _____ No _____

ROBOT RAMP SYSTEM

Install a slide out ramp between the body support members to exit to the rear of the vehicle. The ramp shall be of aluminum and shall be a minimum of 30" of useable ramp space between the side support rails. Ramp shall clear rear step bumper and store behind door.

Does bidder comply with specifications as written?

Yes _____ No _____

WINDOW STREETSIDE

There shall be a 30" x 24" radius corner automotive tinted window installed curb side over the work station. This window shall be an egress window

Does bidder comply with specifications as written?

Yes _____ No _____

EXTERIOR COMPARTMENT DEPTH

All exterior compartments shall have a clear depth of approximately 24".

Does bidder comply with specifications as written?

Yes _____ No _____

RIGHT SIDE AND LEFT SIDE COMPARTMENTATION

FORWARD OF REAR WHEEL WELL - D1 (STREETSIDE)

One lower compartment shall be provided in the forward area ahead of the rear wheels. The (D1) Generator compartment shall have the approximate dimensions as follows: 45" wide x 27" high The (D1) compartment shall have a solid flush mounted top hinged door constructed of aluminum. The generator compartment shall have a louvered vented door. Compartment shall be placed above and below floor of vehicle to gain proper ground clearance required.

Does bidder comply with specifications as written?

Yes _____ No _____

FORWARD OF REAR WHEEL WELL - P1 (CURBSIDE)

One lower compartment shall be provided in the forward area ahead of the rear wheel well. The (P1) compartment shall have the approximate dimensions as follows: 60" wide x 18" high The (P1) compartment shall have a solid flush mounted side hinged doors constructed of aluminum.

Does bidder comply with specifications as written? Yes _____ No _____

EXTERIOR COMPARTMENT FABRICATION

All exterior compartments shall be constructed of .125" aluminum 5052H32 walls and ceilings with .125" smooth aluminum floors, formed and MIG welded. Exterior compartments are welded to the floor structure components for strength and durability. All exterior compartment doors shall be equipped with gas charged hold open door check. Exterior compartments shall be top hinged.

Does bidder comply with specifications as written? Yes _____ No _____

EXTERIOR COMPARTMENT DOORS

Each exterior compartment door shall be constructed of .125" 5052H32 aluminum sheet double pan formed with a 1.5" return bend with recessed offset supporting the .063" 3003 alloy aluminum diamond plate interior liner. Extruded doors and/or doorframes are not acceptable. In addition, for maximum rigidity, 2.375" "C" channel bracing shall be added internally for additional door structural integrity. The exterior face of the door and the door edges shall be formed from one [1] sheet of aluminum. All doors shall be flush with the body side and shall be fully insulated with sheet Styrofoam. When opened, the doors will activate their respective compartment lights. All compartment doors shall be keyed alike.

Does bidder comply with specifications as written? Yes _____ No _____

EXTERIOR COMPARTMENT DOOR HANDLES AND LATCHING

Door hinges shall be full length steel with a 1/4" stainless pin and shall be fastened to the door and door frame with rivets. The locking mechanism shall be a D-Ring style. Latches shall be near flush with the door skin. Each latch must be capable of being locked independently with an exterior key lock.

Does bidder comply with specifications as written? Yes _____ No _____

COMPARTMENT DOOR SEALS

For optimum fit and closure, the compartment doors shall close on a .625" W x .400" thick automotive bulb gasket attached to interior surface of the double pan-formed compartment doors. The gasket seal shall be attached to this surface to prevent exposure of the compartment to water or dirt when the door is closed.

Does bidder comply with specifications as written? Yes _____ No _____

COMPARTMENT ILLUMINATION

Each exterior compartment shall be lighted with a dome light. These lights shall have Lexan clear lenses recessed into the compartment sides and/or ceiling - in our standard positions. Each door shall have an individual automatic switch. The switches shall be mounted in the door frame for both maintenance-free operation and protection from the weather.

Does bidder comply with specifications as written? Yes _____ No _____

INSULATION – POLYSTYRENE

The module shall have 1-1/2" high density polystyrene insulation in the walls and ceiling giving an insulation factor of R-9. The insulation shall be fire retardant, non-settling, non-hydroscopic, and mildew and vermin proof. Additionally the ceiling shall be insulated with 1/4" astro-foil bubble insulation.

Does bidder comply with specifications as written? Yes _____ No _____

EXTERIOR GRAB RAIL

An exterior style 16" stainless steel grab rail shall be installed on the rear of the vehicle to the left of the entrance door. The grab rail must be bolted to the aluminum side structure with fender washers and rubber gaskets. A grab rail mounted to the body skin is unacceptable.

Does bidder comply with specifications as written? Yes _____ No _____

REAR BUMPER

The rear bumper shall be an I.C.C. and state D.O.T. approved design. The rear bumper shall be constructed of Galvaneal steel angle and channel and painted with a rust resistant Gray enamel finish.

Does bidder comply with specifications as written? Yes _____ No _____

BUMPER STEP

Install folding rear bumper step centered on the bumper. When folded the step shall leave an opening for access to the trailer hitch. Step shall clear the storage compartment for the robot ramp. Step shall be fabricated from aluminum and steel.

Does bidder comply with specifications as written? Yes _____ No _____

BODY HARDWARE

All body hardware and all compartment and entry doors are mounted on the module body. All stainless screws are sprayed in electrolysis preventive solution before installing on the module body. This is necessary to prevent future electrolysis. NO EXCEPTIONS WILL BE ALLOWED.

Does bidder comply with specifications as written? Yes _____ No _____

LOWER BODY SKIRTING

Lower body skirting shall be installed to the approximate center line of the rear wheel. It shall be of the same material as the body.

Does bidder comply with specifications as written? Yes _____ No _____

FENDERETTES

Polished Aluminum Fenderettes shall be provided in each rear wheel well. They shall help prevent damage to the underside of the body caused by stones and road debris.

Does bidder comply with specifications as written? Yes _____ No _____

LICENSE PLATE HOLDER

The rear license plate holder Shall be a polished recessed aluminum casting with two 12 volt lights built into casting to light vehicle tag. It shall be mounted on the left rear side of the vehicle.

Does bidder comply with specifications as written?

Yes _____ No _____

REAR MUDFLAPS

A set of rear mud flaps shall be installed on the rearward side of each rear wheel well. The mud flaps shall be black in color.

Does bidder comply with specifications as written?

Yes _____ No _____

UNDERCOATING

Undercoating shall be liberally applied to the entire undercarriage of the chassis and vehicle body. Undercoating must be applied according to OEM chassis manufacturer guidelines.

Does bidder comply with specifications as written?

Yes _____ No _____

INTERIOR COMPARTMENT COMPONENTS

CABINETRY

All cabinets are constructed of 100 percent aluminum panels, aluminum extrusions and steel fasteners for weight reduction, corrosion and a high strength to weight ratio. The cabinets shall be specifically designed for installation in trailers and moving vehicles

Drawers are to be all aluminum construction. The drawers are fully integrated into the cabinet with no visible frame or surrounding box for an aesthetically pleasing quality professional finish. The drawers will feature full width extruded pull handles and integrated self-latching mechanisms allowing one hand unlocking and opening on the entire width of the pull handle.

The cabinets shall be constructed of all aluminum sheet metal 5052 – H32 alloy. The aluminum extrusions to shall be prime billet 6063-T5 or T6 alloy, architectural surface quality. All principle walls to be no less than .090” thick. Where stainless steel is used it shall be a minimum of 304 Stainless Steel alloy with #4 brushed finish.

All fasteners are zinc plated, stainless steel, or aluminum. All nuts are Nyloc / Spin Lock self-locking. Assembly bolts are custom flat head carriage bolts for ease of assembly and disassembly. Cabinets are to be designed so that individual components can be easily replaced. Rivets of any type are not to be used in cabinet construction.

Latches are cast zinc with polyester powder coat finish. The latch shall be a single motion Latch that can be operated with one hand. Hinges are continuous extruded all aluminum staked hinges. Shelf brackets are zinc-plated steel and able to be placed across from each other on both sides of a panel in the same mounting slots via self-mating brackets.

Countertops are industrial grade laminate bonded to 3/4” thick seven ply cabinet plywood. (Optional Aluminum and Stainless Steel tops are available).

Drawer latches are solid molded glass reinforced Nylon. Drawer slides are all steel, double carriage ball bearing full extension slides capable of withstanding 250 lbs loading per drawer. Slides will disconnect for ease of drawer removal.

All sheet components are coated with baked on polyester powder coat - door backs are pre-finished coil coated aluminum. The finish shall be UV and scratch resistant. The extrusions shall receive a 204-R1 Class 2 Architectural clear anodized finish.

The frames are fabricated from .090 wall extrusions with square cut and coped ends. Door hinges are secured to frame with self-locking nut and bolt hardware. Frames are pre-punched with all required assembly and mounting slotted holes. All sheet components are CNC punched from new sheet material. Doors are formed to a 1" thickness from a single sheet of aluminum. The overhead and wall cabinets are .063" thick. The base and closet cabinets are .080" thick. All doors to have .040" pre finished aluminum sheet back continuously bonded to face sheet with VHB structural bonding tape. Overhead doors have a mechanical folding hold open mechanism. All doors have full length pivoting handles with a self-latching, independently sprung latch mechanism.

All sheet components are CNC punched from new sheet material. Drawers are all .080" aluminum construction with welded corners. Drawers are encased in a .080" aluminum insert case designed to mount into cabinet faces and integrate with no visible frame around drawers. Drawer has full width extruded aluminum pivoting handle with a self actuating dual self-actuating latches to eliminate two-hand operation. The exterior drawer finish is powder-coated/ anodized to match surrounding cabinet.

The end and center panels are .063" aluminum sheet at overhead and wall cabinets - .080" thickness at closet and base cabinets - all punching, drilling, and forming done prior to finishing - all components must be CNC punched for consistency. All cabinets are provided with a mounting feature perimeter. All panels are finished on all exposed surfaces, inside and outside, after fabrication. Shelves are constructed of .090" mill aluminum and all sides are hemmed over to prevent sharp edges from being exposed. Shelves must include adjustable mounting bracket and securing screw. Shelf slots to be punched in side panels. **NO EXCEPTIONS**

The interior cabinets shall be as shown on the overhead floor plan view.
Does bidder comply with specifications as written? Yes _____ No _____

STREETSIDE STORAGE CABINET

One [1] cabinet approximately 60" high x 48" wide x 8" deep with four equal doors shall be installed above the gene and shall be provided with one (1) full compartment adjustable shelf behind each door. It shall have a "Dry Erase finish" surface on all doors. The doors shall have a full length aluminum pull handle on each door. Overhead cabinets shall have radius edges and corners for occupant protection.

Does bidder comply with specifications as written? Yes _____ No _____

STREETSIDE BASE CABINET/COVER

A street side base cabinet generator cover will be installed in the work center. It will be approximately 24" high x 48" wide x 24" deep with a full length .090" stainless steel counter top 25" deep x 48" long with a backsplash. The base cabinet shall have radius edges and corners for occupant protection.

Does bidder comply with specifications as written?

Yes _____ No _____

STREET SIDE BOMB SUIT/HELMET STORAGE CABINETS

Two (2) street side storage cabinets will be installed in the work center. They will be approximately 84" high x 48" wide with 2 [2] doors. The doors shall have an aluminum pull handle on each door. The base cabinet shall have radius edges and corners for occupant protection. There shall be a divider in the center of the cabinet. Each side will be equipped with a shelf at top for helmet storage and a heavy duty hanger bar below the helmet shelf for the bomb suit. Boot storage shall be on the floor of the cabinet. Additional cabinet shelves can be added if necessary.

Does bidder comply with specifications as written?

Yes _____ No _____

STREET SIDE OVERHEAD CABINET

One [1] cabinet approximately 24" high x 48" wide x 15" deep with two equal doors shall be installed above the street side robot area and shall be provided with one (1) full compartment adjustable shelf behind each door. It shall have a "Dry Erase finish" surface on all doors. The doors shall have a full length aluminum pull handle on each door. Overhead cabinets shall have radius edges and corners for occupant protection.

Does bidder comply with specifications as written?

Yes _____ No _____

CURB SIDE BENCH

An all aluminum fabricated bench shall be furnished curbside. The bench shall have the approximate dimensions of 21" high x 48" long x 25" deep. The top shall be hinged for access to the storage compartment below. Compartment shall be used to store a Model C770 day box. The cushion for the seat shall be 60 oz. vacuum formed vinyl and shall be attached with high strength Velcro. Provision shall be made for the later installation of two SCBA brackets by the department.

Does bidder comply with specifications as written?

Yes _____ No _____

CURBSIDE OVERHEAD CABINET

An all aluminum overhead cabinet shall be furnished curbside. It shall have the approximate dimensions of 16" high x 48" long x 15" deep with two equal doors shall be installed above the street side bench and shall be provided with one (1) full compartment adjustable shelf behind each door. It shall have a "Dry Erase finish" surface on all doors. The doors shall have an aluminum pull handle on each door. Overhead cabinet shall have radius edges and corners for occupant protection.

Does bidder comply with specifications as written?

Yes _____ No _____

CURB SIDE WORKSTATION

A full length counter top 25" deep x 72" long x 29" high shall be installed. The counter top shall be finished in a high quality laminate with an aluminum backsplash. There shall be two 18" wide x 12" high x 24" deep drawers below the counter top.

Does bidder comply with specifications as written?

Yes _____ No _____

CURBSIDE OVERHEAD CABINETS

Two [2] all aluminum overhead cabinets shall be furnished on the curbside of the vehicle . They shall have the approximate dimensions of 16” high x 72” long x 15” deep with two equal doors shall be installed above the street side robot area and one above the desk area. They shall be provided with one (1) full compartment adjustable shelf behind each door. They shall have a “Dry Erase finish” surface on all doors. The doors shall have an aluminum pull handle on each door. Overhead cabinets shall have radius edges and corners for occupant protection.

Does bidder comply with specifications as written? Yes _____ No _____

CEILING HEADLINER

The headliner shall be constructed of a durable high-gloss Filon backed with a substrate material of 1/2” plywood.

Does bidder comply with specifications as written? Yes _____ No _____

INTERIOR COMPARTMENT LIGHTS

Six (6) Thinlite brand 18" recessed fluorescent lights shall also be provided and installed in ceiling. On/off position switches shall be provided in convenient locations.

Two (2) 18" surface mounted Thinlite lights shall be provided and installed over the work station area. These lights shall have a manual "on/off" switch.

Does bidder comply with specifications as written? Yes _____ No _____

INTERIOR WALLS

The interior walls shall be constructed of a durable high-gloss Filon backed with a substrate material of 1/2” plywood.

Does bidder comply with specifications as written? Yes _____ No _____

FLOORING

A 3/4" plywood subfloor shall be installed. The 3/4" plywood sheet shall be securely fastened with sheet metal screws long enough to penetrate the 3” Steel I-Beams. .750” Underlayment substrate shall be placed over the plywood to create a level smooth surface for the vinyl flooring. This process shall create a sandwich effect for long lasting durability and a solid surface.

Does bidder comply with specifications as written? Yes _____ No _____

FLOOR COVERING

Install a Lonseal® all vinyl Lon-Plate one piece floor covering. It shall have a smooth treadplate pattern for both traction and ease of clean up. Color to be determined at pre-construction conference.

The flooring in the robot storage area shall be .125” aluminum diamond tread plate with a .875” lip on all sides. Transition strips shall be used between vinyl floor and robot exit.

Does bidder comply with specifications as written? Yes _____ No _____

H.V.A.C. EQUIPMENT

One (1) Coleman MACH 3 PLUS RV air conditioners with heaters shall be furnished and installed. The roof mounted air conditioners shall deliver a minimum of 15,000 BTU hour of cooling and delivers 340 cu. ft. of air movement per minute on high. The Heater Assembly shall deliver 5600 BTU of heat on high setting.

Does bidder comply with specifications as written? Yes _____ No _____

ELECTRIC WALL HEATER 115VAC

One 1500 watt wall mounted electric wall heater shall be installed on the interior of the body.

Does bidder comply with specifications as written? Yes _____ No _____

FIRE EXTINGUISHER

One (1) 2.5 pound rated ABC fire extinguisher with mounting brackets shall be furnished with the vehicle. These shall be shipped loose to allow the department to install in the desired locations in the conference, communications and galley areas.

Does bidder comply with specifications as written? Yes _____ No _____

CARBON MONOXIDE MONITOR

A carbon monoxide monitor shall be installed in the laboratory area.

Does bidder comply with specifications as written? Yes _____ No _____

SMOKE DETECTOR

A smoke detector shall be installed in the laboratory area.

Does bidder comply with specifications as written? Yes _____ No _____

ANTENNA CHANNEL

Furnish and install one [1] antenna channel on roof of vehicle to accommodate required antennas.

Does bidder comply with specifications as written? Yes _____ No _____

INTERIOR INFORMATION DECALS

Unless otherwise specified, interior markings and decals shall be vinyl silk-screen process with a pressure sensitive adhesive backing.

- a) Genset and Heater Instructions: Safety checks to be made and start-up procedures for the genset and heater shall be permanently posted at the controls for each.
- b) Vehicle Backing Warning Decal: A decal, containing the legend. "Look before Backing" in 1 inch high lettering, shall be affixed on the dashboard in a government approved location.

- c) Clearance Warning Decal: The minimum height clearance of the body including the air conditioner shall be measured and indicated on a decal located in view of the driver.

Does bidder comply with specifications as written? Yes _____ No _____

MARKING, DATA, PLATES

A permanent aluminum or plastic plate, indicating the name of the manufacturer; vehicle type; year and model number; warranty expiration date (month and year); manufacturer's vehicle identification numbers and vehicle dimensions, including overall height, width, length, and GVW, shall be permanently affixed to the vehicle in one of the following locations: inside the glove box door; or on the driver's side door post. Actual location shall be subject to the approval of the government agency. Data shall be permanent.

Does bidder comply with specifications as written? Yes _____ No _____

OPERATOR'S MANUAL

A vehicle owner's manual (reference handbook) for the ambulance shall be provided in an 8 1/2" x 11" three-ring hard cover loose leaf binder. It shall contain copies of the chassis manufacturer's warranties and owner's manual, copies of the body manufacturer's warranties and operating/service instructions, component manufacturer's equipment information, installation, operating, service instructions, warranties, etc.

Does bidder comply with specifications as written? Yes _____ No _____

OPTIONAL ITEMS – TO BE QUOTED SEPARATE FROM VEHICLE

SCBA BRACKETS

Furnish and install two walk-way [2] SCBA brackets in area behind squad bench. Size and type of bottle shall be furnished a pre-construction conference

Does bidder comply with specifications as written? Yes _____ No _____

OPTIONAL JUMP SEAT

Furnish and install one fold down jump seat on front bulkhead wall. Jump seat shall be a minimum of 24" wide.

Does bidder comply with specifications as written? Yes _____ No _____

LCD TV MONITOR WITH DVD PLAYER

Furnish and install one (1) Toshiba 20HLV15 20-inch HD LCD TV Monitor with DVD Player

Does bidder comply with specifications as written? Yes _____ No _____

BACK UP CAMERA

Furnish and install one backup camera and monitor system Intec model # VSS21001WB. Camera shall be a color camera with monitor mounted on vehicle dash.

Does bidder comply with specifications as written? Yes _____ No _____

BODY AWNING

One (1) Carefree eighteen foot (12") awning with shall be installed on curbside of vehicle body.
Does bidder comply with specifications as written? Yes_____ No_____

LED DOME LIGHT MILITARY STYLE

Eleven (11) 12VDC LED recessed 2.75" x 5.75" dome lights Grote # 82080 White/Red, Black shall be installed in the vehicle, ten shall be in the ceiling and one shall be installed under the desk overhead cabinet. The material shall be polycarbonate and aluminum and the color shall be gray/black
Does bidder comply with specifications as written? Yes_____ No_____

**<CUSTOMER NAME HERE>
BID FORM**

NAME OF BIDDER: _____

ADDRESS: _____

CITY/STATE/ZIP: _____

TELEPHONE: _____

PERSON TO CONTACT: _____

We herewith submit and bid as follows:

CHASSIS/MAKE: _____

MODEL/TYPE: _____

F.O.B. CUSTOMER LOCATION

DELIVERY/CALENDAR DAYS: _____

BID IS: _____ AS PER SPECIFICATION TAKING NO EXCEPTIONS

BID IS: _____ TAKING ONLY THOSE SPECIFICATION EXCEPTIONS LISTED, ATTACHED AND REFERENCED TO PARAGRAPH

2012 E.O.D./BOMB SQUAD VEHICLE PER SPECIFICATIONS.....\$ _____

OPTIONAL ITEMS:

WALK-AWAY SCBA BRACKETS.....\$ _____

FOLD-DOWN JUMP SEAT BULKHEAD AREA.....\$ _____

LCD TV MONITOR WITH DVD PLAYER.....\$ _____

BACK UP CAMERA.....\$ _____

BODY AWNING 12'.....\$ _____

LED MILITARY LIGHTS REPLACING FLUORESCENT.....\$ _____

It is agreed by the undersigned bidder that the signature and submission of this bid represents the bidder's acceptance of all terms, conditions, and requirements bid specifications and, if awarded, the bid will represent the agreement between the two parties.

SIGNED: _____ DATE: _____

NAME PRINTED: _____ TITLE: _____

10/28/2011
