

1/20/12

**MOBILE BREATH ALCOHOL TEST VEHICLE
And COMMAND POST**

on

2013 Freightliner M2 model Four Door crew cab

Specifications for

MBAT – 28

<Insert Department Logo Here>

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".

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 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: _____

Date 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.

COMMERCIAL GENERAL LIABILITY INSURANCE

The successful bidder shall, during the performance of the contract and for one (1) year following acceptance of the product, keep in force at least the following minimum limits of commercial general liability insurance:

| | |
|---|-------------|
| Each Occurrence | \$1,000,000 |
| Products/Completed Operations Aggregate | \$2,000,000 |
| Personal and Advertising Injury | \$1,000,000 |
| General Aggregate | \$2,000,000 |
| Automobile Liability | \$1,000,000 |
| Additional Liability | \$1,000,000 |

Workers Compensation & Employers Liability \$ 500,000

Garage Keepers Liability \$ 600,000

Coverage shall be written on an ACCORD Commercial General Liability form. The policy shall be written on an occurrence form and shall include Contractual Liability coverage for bodily injury and property damage subject to the terms and conditions of the policy. The policy shall include Owner as an additional insured when required by written contract. The Company providing the insurance cover shall have and A.M. Best rating of A+15 as a minimum. **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 Bureau of Indian Affairs. This criteria will carry as much weight as LOW BID so that the office of the Indian Highway Safety Program in evaluating bids will be able to recommend a bid that will be in the best interest for the Bureau of Indian Affairs. 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 ____ (number) people designated by the purchaser. If this meeting is to occur at a location more than 300 miles from the purchaser's location, the transportation shall be by commercial air carrier.

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

MID POINT INSPECTION

Four (4) members of the _____ 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 _____

FINAL INSPECTION

Four (4) members of the _____ 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

85" 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 have a Medium Duty chassis 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

The cab/chassis requirement of this specification is a 2013 Freightliner M2 model Four Door crew cab, 296" wheelbase, 25,950 lb. GVWR package, and equipped as follows:

Engine: CUMMINS ISB 6.7-300 300 HP @ 2600 RPM, 2600 GOV, 660 LB/FT @ 1600 RPM

- 79A-075 75 MPH Road Speed Limit
- 79B-000 Cruise Control Speed Limit Same As Road Speed Limit
- 79K-005 PTO Mode Engine RPM Limit – 900 RPM
- 79L-002 PTO Mode Throttle Override
- 79M-001 PTO Mode Brake Override – Service Brake Only Enabled
- 79P-004 PTO RPM With Cruise Set Switch – 900 RPM
- 79Q-004 PTO RPM With Cruise Resume Switch – 900 RPM
- 79S-001 PTO Mode Cancel Vehicle Speed – 5 MPH
- 79U-007 PTO Governor Ramp Rate – 250 RPM Per Second
- 80G-002 PTO Minimum RPM – 700
- 80J-002 Regen Inhibit Speed Threshold – 5 MPH

Engine Equipment:

- 99C-010 2010 EPA/CARB Emission Certification
- 105-001 Engine Mounted Oil Check and Fill
- 133-004 One Piece Valve Cover
- 014-099 Side of Hood Air Intake with Firewall Mounted
Donaldson Air Cleaner
- 124-1D7 DR 12V 160 AMP 28-SI Quadramount Pad Alternator With
Remote Battery Volt Sense
- 292-098 (2) Alliance Model 1231, Group 31, 12 Volt Maintenance
Free 2250 CCA Threaded Stud Batteries
- 290-017 Battery Box Frame Mounted
- 282-001 Single Battery Box Frame Mounted
- 291-017 Wire Ground Return for Battery Cables With Additional
Frame Ground Return

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|---------|--|
| 289-001 | Non-Polished Battery Box Cover |
| 107-032 | Cummins 18.7 CFM Compressor with Internal Safety Valve |
| 108-002 | Standard Air Compressor Governor |
| 131-013 | Air Compressor Discharge Line |
| 152-039 | GVG, Fire and Emergency Service Vehicles Engine Warning |
| 128-076 | Cummins Exhaust Brake Integral with Variable Geometry Turbo |
| 016-1C3 | RH Outboard Under Step Mounted Horizontal After-treatment System Assembly With RH Horizontal Tailpipe |
| 28F-007 | Engine After-treatment Device, Automatic Over the Road Active Regeneration and Dash Mounted Single Regeneration Request/Inhibit Switch |
| 239-001 | Standard Exhaust System Length |
| 237-052 | RH Horizontal Tailpipe |
| 23U-002 | 13 Gallon Diesel Exhaust Fluid Tank |
| 23Y-001 | Standard Diesel Exhaust Fluid Pump Mounting |
| 43X-002 | LH Medium Duty Standard Diesel Exhaust Fluid Tank Location |
| 43Y-001 | Standard Diesel Exhaust Fluid Tank Cap |
| 273-035 | Horton HT650 Frontal Air On/Off Engine Fan Clutch |
| 276-001 | Automatic Fan Control Without Dash Switch, Non Engine Mounted |
| 110-003 | Cummins Spin On Fuel Filter |
| 118-001 | Full Flow Oil Filter |
| 266-078 | 950 Square Inch Aluminum Radiator |
| 103-036 | Antifreeze to -34F, Ethylene Glycol Pre-Charged SCA Heavy Duty Coolant |
| 171-007 | Gates Blue Stripe Coolant Hoses |
| 172-001 | Constant Tension Hose Clamps for Coolant Hoses |
| 270-016 | Radiator Drain Valve |
| 168-002 | Lower Radiator Guard |
| 360-998 | No Front Engine PTO |
| 138-010 | Phillips-Temro 750 Watt/115 Volt Block Heater |
| 141-998 | No Coolant Heater – Gas/Dsl |
| 140-022 | Chrome Engine Heater Receptacle Mounted Under LH Door |
| 134-001 | Aluminum Flywheel Housing |
| 132-004 | Electric Grid Air Intake Warmer |
| 155-058 | Delco 12V 38MT HD Starter with Integrated Magnetic Switch |

Transmission

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|---------|--|
| 342-1KD | Allison 3000 EVS Automatic Transmission with PTO Provision |
|---------|--|

Transmission Equipment

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|---------|--|
| 343-027 | WTEC Calibration – 6 Speed EVS (Package 119) |
| 353-027 | Vehicle Interface Wiring and PDM with Body Builder Connector At End of Frame |
| 362-035 | Customer Installed Chelsea 277 Series PTO |
| 363-001 | PTO Mounting LH Side Of Main Transmission |
| 341-018 | Magnetic Plugs, Engine Drain, Transmission Drain, Axle(s) Fill |

and Drain

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|---------|---|
| 345-003 | Push Button Electronic Shift Control, Dash Mounted |
| 97G-002 | Transmission Prognostics – Disabled(N/A) |
| 370-015 | Water to Oil Transmission Cooler, In Radiator End Tank |
| 346-003 | Transmission Oil Check and Fill with Electronic Oil Level Check |
| 35T-001 | Synthetic Transmission Fluid (TES-295 Compliant) |

Front Axle and Equipment

| | |
|---------|--|
| 400-1A5 | AF-10.0-3 10,000# FF1 71.5 KPI/3.74 Drop Single Front Axle |
| 402-054 | Bosch Hydraulic Pin-Slide Disc Front Brakes |
| 403-002 | Non-Asbestos Front Brake Lining |
| 419-004 | Front Disc Brake Rotors |
| 409-002 | SKF Scotseal Classic Front Oil Seals |
| 408-001 | Vented Front Hub Caps – Oil |
| 416-022 | Standard Spindle Nuts for All Axles |
| 536-050 | TRW THP-60 Power Steering |
| 539-003 | Power Steering Pump |
| 534-015 | 2 Quart See Through Power Steering Reservoir |
| 40T-002 | Synthetic 75W-90 Front Hubs Lube |

Front Suspension

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|---------|---|
| 620-062 | 10,000# Taperleaf Front Suspension |
| 619-005 | Maintenance Free Rubber Bushings – Front Suspension |
| 410-001 | Front Shock Absorbers |

Rear Axle and Equipment

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|---------|---|
| 420-1M1 | MS-17-14X 17,500# L-Series Quiet Ride Single Rear Axle |
| 421-557 | 5.57 Rear Axle Ratio |
| 424-001 | Iron Rear Axle Carrier with Standard Axle Housing |
| 386-079 | MXL 16T Meritor Extended Lube Main Driveline With Half Round Yokes |
| 452-007 | Trac-Tech Full Time No-Spin Differential Single Rear Axle |
| 423-054 | Bosch Hydraulic Pin-Slide Disc Rear Brakes |
| 433-002 | Non-Asbestos Rear Brake Lining |
| 451-005 | Rear Disc Brake Rotors |
| 425-998 | No Rear Brake Dust Shields |
| 440-021 | Chicago Rawhide Scotseal Plus XL Rear Oil Seals |
| 435-002 | Rear Axle Mounted Drum Park Brake |
| 41T-002 | Synthetic 75W-90 Rear Axle Lube |

Rear Suspension

| | |
|---------|---|
| 622-1MC | 16,000# 52" Variable Rate Multi-Leaf Spring Rear Suspension |
| 621-001 | Spring Suspension – No Axle Spacers |
| 431-001 | Standard U-Bolt Pa |

Brake System

| | |
|---------|--|
| 018-003 | Bosch Hydraulic Brake Package with Optional Air Supply |
| 490-032 | Wabco Hydraulic 4S/4M Without Traction Control |

| | |
|---------|---|
| 871-011 | Hydraulic Tubing with Nylon and Fabric/Wire Braid Chassis Air Lines |
| 46D-002 | Standard Air System Pressure Protection System |
| 480-998 | No Brake Line Air Dryer |
| 460-011 | One Steel Air Brake Reservoir |
| 477-006 | BW DV-2 Auto Drain Valve Without Heater on All Tank(s) |
| 485-003 | Quick Disconnect Fitting with Tire Inflation Kit |

Trailer Hitch Connections

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|---------|---|
| 296-025 | Primary Connector/Receptacle Wired for Combination Stop/Turn, Center Pin Powered Through Ignition |
| 297-001 | SAE J560 7-Way Primary Trailer Cable Receptacle Mounted End Of Frame |
| 335-004 | Upgraded, Chassis Multiplexing Unit |
| 32A-002 | Upgraded Bulkhead Multiplexing Unit |

Wheelbase and Frame

| | |
|---------|---|
| 545-750 | 7500MM (296 Inch) Wheelbase |
| 546-102 | 7/16" x 3-9/16" x 11-1/8" Steel Frame, 120 KSI |
| 552-009 | 120" Rear Frame Overhang |
| 55W-011 | Frame Overhang Range 111" to 120" |
| AC8-99D | Calculated Back of Cab to Rear Suspension C/L (CA) 183.2" |
| AE8-99D | Calculated Effective Back of Cab to Rear Suspension C/L (CA) 180.2" |
| 553-001 | Square End of Frame |
| 550-001 | Front Closing Cross-member |
| 559-001 | Standard Weight Engine Cross-member |
| 562-001 | Standard Mid-ship #1 Cross-member(s) |
| 572-001 | Standard Rearmost Cross-member |
| 565-001 | Standard Suspension Cross-member |

Chassis Equipment

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|---------|--|
| 556-1AR | Three-Piece 14" Chromed Steel Bumper with Collapsible Ends |
| 558-001 | Front Tow Hooks-Frame Mounted |
| 574-001 | Bumper Mounting for Single License Plate |
| 586-024 | Fender and Front of Hood Mounted Front Mud Flaps |
| 607-001 | Clear Frame Rails from Back of Cab to Front Rear Suspension Bracket, Both Rails Outboard |
| 551-007 | Grade 8 Threaded Hex Headed Frame Fasteners |

Fuel Tanks

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|---------|--|
| 206-034 | 80 Gallon/302 Liter Rectangular Aluminum Fuel Tank – RH |
| 204-034 | 80 Gallon/302 Liter Rectangular Aluminum Fuel Tank-LH |
| 218-005 | Rectangular Fuel Tanks |
| 215-005 | Plain Aluminum/Painted Steel Fuel/Hydraulic Tank(s) with Painted Bands |
| 212-014 | LH Fuel Tank Mounted Forward, RH Fuel Tank Mounted Aft |

| | |
|---------|--|
| 664-001 | Plain Step Finish |
| 205-001 | Fuel Tank Caps |
| 122-084 | Alliance Fuel Filter/Water Separator with Primer Pump |
| 216-020 | Equiflo Inboard Fuel System |
| 20E-003 | Auxiliary Fuel Supply and Return Ports Located on LH and RH Fuel Tanks |
| 202-016 | High Temperature Reinforced Nylon Fuel Line |

Tires, Hubs, Wheels

| | |
|---------|--|
| 093-2AY | Goodyear G661 HSA 265/75R22.5 14 Ply Radial Front Tires (Match Marked) |
| 094-2AY | Goodyear G661 RSA 265/75R22.5 14 Ply Radial Rear Tires (Match Marked) |
| 418-001 | Gunite Iron Front Hubs |
| 450-045 | CONMET Pre-set Bearing Iron Rear Hubs |
| 502-506 | Accuride 29644A 22.5 x 8.25 10 Hub Pilot Aluminum Disc Front Wheels |
| 505-506 | Accuride 29644A 22.5 x 8.25 10-Hub Pilot Aluminum Disc Rear Wheels |
| 496-011 | Front Wheel Mounting Nuts |
| 497-011 | Rear Wheel Mounting Nuts |

Cab Exterior

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|---------|---|
| 829-079 | 154" BBC High Roof Aluminum Conventional Crew Cab |
| 650-008 | Air Cab Mounts |
| 648-002 | Nonremovable Bugscreen Mounted Behind Grille |
| 678-001 | LH and RH Grab Handles |
| 646-023 | Hood Mounted Chromed Plastic Grille |
| 65X-003 | Chromed Hood Mounted Air Intake Grille |
| 644-004 | Fiberglass Hood |
| 690-002 | Tunnel/Firewall Liner |
| 727-066 | Dual 26" Rectangular Polished Air Horns Roof Mounted |
| 726-001 | Single Electric Horn |
| 728-002 | Dual Horn Shields |
| 657-001 | Door Locks and Ignition Switch Keyed the Same |
| 575-001 | Rear License Plate Mount End of Frame |
| 312-038 | Integral Headlight/Marker Assembly with Chrome Bezel |
| 302-047 | Freightliner LED Aerodynamic Marker Lights |
| 315-062 | Rectangular Clear Fog Lights Mounted Under Bumper |
| 311-001 | Daytime Running Lights |
| 294-001 | Integral Stop/Tail/Backup Lights |
| 300-015 | Standard Front Turn Signal Lamps |
| 744-1BC | Dual West Coast Bright Finish Heated Mirrors with LH and RH Remote |
| 797-001 | Door Mounted Mirrors |
| 796-001 | 102" Equipment Width |
| 743-204 | LH and RH 8" Bright Finish Convex Mirrors Mounted Under Primary Mirrors |
| 729-001 | Standard Side/Rear Reflectors |
| 677-016 | Dual Level Cab Entry Steps on Both Sides |
| 768-043 | 63" x 14" Tinted Rear Window |

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|---------|---|
| 661-004 | Tinted Door Glass LH and RH with Tinted Operating Wing Windows |
| 654-011 | RH and LH Electric Powered Windows |
| 663-013 | Tinted Windshield |
| 659-019 | 2 Gallon Windshield Washer Reservoir Without Fluid Level Indicator, Frame Mounted |

Cab Interior

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|---------|--|
| 707-1AK | Opal Gray Vinyl Interior |
| 706-026 | Molded Plastic Door Panel with Aluminum Kickplate Lower Door |
| 708-026 | Molded Plastic Door Panel with Aluminum Kickplate Lower Door |
| 772-006 | Black Mats with Single Insulation |
| 785-001 | Dash Mounted Ash Trays and Lighter |
| 691-008 | Forward Roof Mounted Console with Upper Storage Compartments Without Netting |
| 694-010 | In Dash Storage Bin |
| 742-007 | (2) Cup Holders LH and RH Dash |
| 680-006 | Gray/Charcoal Flat Dash |
| 860-004 | Smart Switch Expansion Module |
| 700-002 | Heater, Defroster and Air Conditioner |
| 701-001 | Standard HVAC Ducting |
| 703-005 | Main HVAC Controls with Recirculation Switch |
| 170-015 | Standard Heater Plumbing |
| 130-031 | Sanden Heavy Duty Air Conditioner Compressor |
| 702-002 | Binary Control, R-134A |
| 739-004 | Silencer Package for Cab |
| 285-013 | Solid-State Circuit Protection and Fuses |
| 280-007 | 12 V Negative Ground Electrical System |
| 324-047 | Door Activated Dome/Red Map Lights Forward LH and RH and Rear LH, RH and Center |
| 655-005 | LH and RH Electric Door Locks |
| 284-023 | (1) 12 Volt Power Supply in Dash |
| 756-084 | Bostrom Talladega 910 Reclining High Back Air Suspension Driver Seat |
| 760-084 | Bostrom Talladega 910 Reclining High Back Air Suspension Passenger Seat |
| 762-155 | Full Width Rear Bench Seat With Folding Back |
| 757-022 | Black Vinyl Suspension Cover for Air Driver and Passenger Seats |
| 759-005 | Dual Driver and Passenger Seat Armrests |
| 711-004 | LH and RH Integral Door Panel Armrests |
| 758-022 | Black Mordura Cloth Driver Seat Cover |
| 761-023 | Black Mordura Cloth Passenger Seat Cover |
| 755-014 | Black Cordura Plus Cloth Rear Passenger Seat Cover |
| 763-017 | 3 Point Driver And Front Passenger Seat Belts; 3 Point LH, Center and RH Rear Passenger Seat Belts |
| 532-002 | Adjustable Tilt and Telescoping Steering Column |
| 540-015 | 4-Spoke 18" Steering Wheel |
| 765-002 | Driver and Passenger Interior Sun Visors |
| 870-001 | Black Gauge Bezels |

Instruments & Controls

| | |
|---------|---|
| 732-004 | Gray Driver Instrument Panel |
| 734-004 | Gray Center Instrument Panel |
| 870-001 | Black Gauge Bezels |
| 486-001 | Low Air Pressure Light and Buzzer |
| 840-007 | Single Air Pressure Gauge for Hydraulic Brakes with Air Provision |
| 198-025 | Intake Mounted Air Restriction Indicator with Graduations |
| 149-013 | Electronic Cruise Control With Switches in LH Switch Panel |
| 156-007 | Key Operated Ignition Switch and Integral Start Position: 4 Position Off/Run/Start/Accessory |
| 811-011 | Odometer/Trip/Hour/Diagnostic/Voltage Display; 1x7 Character, 26 Warning Lamps, Data Linked ICU3 |
| 160-025 | Diagnostic Interface Connector, 9 Pin, SAE J1939, Located Below Dash |
| 844-001 | 2" Electric Fuel Gauge |
| 148-003 | Programmable RPM Control – Electronic Engine |
| 856-001 | Electrical Engine Coolant Temperature Gauge |
| 864-001 | 2" Transmission Oil Temperature Gauge |
| 830-017 | Engine and Trip Hour Meters Integral Within Driver Display |
| 852-002 | Electric Engine Oil Pressure Gauge |
| 679-001 | Overhead Instrument Panel |
| 746-1A1 | AM/FM/WB/With CD Player, IPOD Interface, And USB and Front Auxiliary Inputs |
| 747-001 | Dash Mounted Radio |
| 750-002 | (2) Radio Speakers in Cab |
| 753-001 | AM/FM Antenna Mounted on Forward LH Roof |
| 748-006 | Power and Ground Wiring Provision |
| 749-001 | Roof/Overhead Console CB Radio Provision with Face Plate |
| 810-027 | Electronic MPH Speedometer with Secondary KPH Scale, Without Odometer |
| 817-001 | Standard Vehicle Speed Sensor |
| 812-001 | Electronic 3000 RPM Tachometer |
| 162-002 | Ignition Switch Controlled Engine Stop |
| 329-012 | Four Extra Switches in Dash with Indicator Lamp and Wire to Chassis at Back of Cab |
| 836-015 | Digital Voltage Display Integral with Driver Display |
| 660-008 | Single Electric Windshield Wiper Motor with Delay |
| 304-003 | Marker Light/Headlight Switch with Separate Interrupter for Clearance Lights |
| 882-027 | Foot Pedal Operated Park Brake and Warning Indicator for Hydraulic Brake |
| 299-013 | Self Canceling Turn Signal Switch with Dimmer, Washer/Wiper and Hazard in Handle |
| 298-039 | Integral Electronic Turn Signal Flasher with Hazard Lamps Overriding Stop Lamps |

Paint Design and Color

| | |
|---------|---|
| 065-000 | Paint: One Solid Color |
| 980-5A1 | Cab Color A: L0001EB Black Elite BC |
| 986-020 | Black, High Solids Polyurethane Chassis Paint |

Does bidder comply with specifications as written?

Yes_____

No _____

BODY AUTOMATIC LEVELING SYSTEM

Furnish and install one (1) Quadra Touch Pad leveling system with a capacity of #17,000 to #25,000 per cylinder. The ram diameter shall be 1-1/4" and the foot pad size shall be 100 inches. The complete system weight shall be between 190 lbs to 240 lbs and be 12 VDC powered. It shall have fully automatic and/or manual controls. The hoses shall be rubber flex line with JIC fittings. The battery cables shall be 4 gauge plastic coated.

Does bidder comply with specifications as written?

Yes _____

No _____

FRONT WINCH SYSTEM

Furnish and install one (1) Warn 16.5ti Thermometric winch or equal rated at 16,500 pounds P/N #68801 CE (12VDC) with a 12' remote control and integrated flash light. The gear train must be a 3 stage planetary with a 315 to 1 gear ratio. It should have a rotating ring gear free spooling clutch with a roller fairlead. It should be furnished with 90' of 7/16" diameter wire rope. Weight of winch should not exceed 150 pounds.

Does bidder comply with specifications as written?

Yes _____

No _____

FUEL SYSTEM CAPACITY

The fuel system capacity shall be a minimum of 160 gallons and shall meet FMVSS 301 "Fuel System Integrity".

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 _____

VEHICLE WIRING

All insulated cable shall conform to SAE J1292 requirements and shall have type SXL 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 black and white conductors with a green neutral are found inside of a white jacket, with non wicking fiber fillers to maintain a round shape. 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 _____

BATTERIES

There shall be three (3) "No Maintenance" 12 volt batteries. They shall total not less than 2250 CCA with 160 minutes of reserve capacity each @ -18 degrees Centigrade. The batteries shall be located in the OEM location under the driver step, below cab door, in a tray.

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

BATTERY ISOLATOR

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

Does your bid comply with the 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 power distribution panel. 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 circuit board panel shall be housed in a heavy .125" H5052 aluminum alloy housing and face. The face shall have a two-part polyurethane slate gray finish. It shall have countersunk mounting holes throughout. All positive, negative, and grounding buses shall be installed. Panels with meters include toggle switch for monitoring up to three (3) battery banks. All panels are equipped with 12 VDC analog meters. All circuit label positions are backlit. There shall be "ON" indicating LED's installed in all circuit positions.

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 a 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. 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 110 VAC circuit board panel shall be housed in a heavy .125" H5052 aluminum alloy housing and face. The face shall have a two-part polyurethane slate gray finish. It shall have countersunk mounting holes throughout. All hot, neutral, and safety ground buses shall be installed and fully pre-wired. There shall be "ON" indicating LED's shall be installed in all circuit positions. Reverse polarity shall be indicated by red LED lights. All circuit label positions are backlit. Panel shall have MIL-C-5541C or equivalent immersion undercoating for lifetime corrosion resistance. The circuit board shall have a maximum panel amperage of 50 Amperes.

Does bidder comply with specifications as written?

Yes _____

No _____

INVERTER

A Sensata Technologies 12/3000N 3000 watt inverter or equal shall be supplied for power backup in case of equipment failure. It shall use TO-247 MOSFET technology and have a thermally controlled cooling fan. It shall have GFCI protected receptacles. It shall have a remote on/off switch with LED's indicating inverter power, low battery, high temperature, and overload. It will have an auto transfer relay. The output voltage shall be 120 RMS and the output frequency shall be 60 Hz with quasi-sine wave and waveform stabilizer circuit. The input voltage shall be between 11 to 14 VDC. It shall incorporate a B1 Battery Charger and include T1 Transfer relay.

Does bidder comply with specifications as written?

Yes _____

No _____

POWERTECH 20 KW DIESEL GENERATOR

Furnish and install one (1) Powertech PTS-20 Diesel powered Generator. The Generator shall be fueled from the OEM fuel tank. The Generator shall be mounted street side behind the chassis cab. The generator shall be furnished with air bag isolator and an enclosure. It shall be installed on a roll out tray as described in the next paragraph

FEATURES:

- PowerTech Single Touch Start
- Fault light indicator
- Four point mounting system
- Residential grade muffler
- Four-cycle water cooled diesel engine
- Set-mounted start control panel
- Radiator cooled, direct mounted
- Direct coupling between alternator and engine
- Pusher fan
- Fuel block for fuel connections
- Heavy-duty dry cartridge-type air filter
- Base frame
- High-coolant temp and low oil pressure shutdown sensors
- 12-volt battery charging
- Spin-on fuel and oil filter
- 120/240 or 120 volt full power connection
- Hour meter Set mounted
- U.L. listed circuit breakers set mounted
- Single side service
- 1,800 RPM
- Air Bag Isolator
- Enclosures

Does bidder comply with specifications as written?

Yes_____

No_____

BATTERY CHARGER/MONITOR

An Intellipower 80 amp taper charger shall be included and wired into the shoreline to keep all batteries and 12 volt equipment charged.

Does bidder comply with specifications as written?

Yes_____

No_____

AUXILIARY BATTERIES

Provide four (4) Interstate Batteries, group 31 MHD with 950CCA each, 12 volt, with threaded studs. Battery cables shall be 3/0 gauge. Battery cables terminals should be color coded. Additional cables shall be permanently labeled as to function. Provide a Negative (-) terminal stud and Positive (+) terminal stud connection in a location that is accessible without raising the cab should a jump-start be necessary. Four batteries should be for the chassis, two (2) batteries should be for the additional department installed computer systems & radios. Two chargers will be necessary from the shoreline system for charging of these separated battery systems and to insure they will not back-feed, a diode will be installed preventing this. All batteries should be charged from the chassis battery system.

Does bidder comply with specifications as written? Yes_____

No_____

EXTERIOR SHORE POWER

There shall be a 110 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, 50 amp power supply".

Does bidder comply with specifications as written? Yes_____

No_____

INTERIOR 115 VOLT AC OUTLETS

There shall be ten (10) three-wire duplex 115-volt AC receptacles. There shall be six [6] in the Dispatch/command area, one [1] in the gallery area, and three [3] in the operations 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".

Does bidder comply with specifications as written? Yes_____

No_____

EXTERIOR 115 VOLT AC OUTLETS

There shall be four (4) three-wire duplex 115-volt AC receptacles. They shall be installed two (2) on each side of the vehicle. 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_____

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* 295HFS2 (or current model) remote siren amplifier with flush mount control head and *Whelen* SA314B (or current model) high performance, multi-port 100 watt speaker with *SACSTFMP* (or current model) polished flange casting for bumper mount. Siren control head

to be mounted and wired in driver / passenger area. Location is to be determined at pre-construction conference.

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

BACKUP ALARM

An Ecco #SA-917 Smart Alarm electronic back up alarm shall be automatically activated when the transmission is shifted into reverse. The Smart Alarm shall provide a variable sound output level dependent upon the ambient noise level.

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 _____

LICENSE PLATE BRACKET AND LIGHT

A license plate bracket with Truck-Lite #15040 LED light shall be installed at the rear of the vehicle.

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 body for stop and tail lights.

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

AMBER ARROW TURN SIGNALS

Two (2) amber Whelen LED 600 series, #60A00TAR arrow shape light heads with optional chrome flange #6EFLANGE shall be mounted, one (1) on each side of body for turn signal lights. Program the flash pattern to provide moving directional arrow.

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 body for back-up lights

Does bidder comply with specifications as written? Yes _____

No _____

SIDE SCENE LIGHTS

Six (6) Whelen #M9ZC series Opti - Scene Lights with 8 – 32 degree optics, with optional FLANGE M9FC chrome flange shall be mounted on the upper front, center, and rear of the body. Three (3) shall be mounted on each side of the body. The left and right side lights shall be controlled by separate switches mounted in the cab switch panel.

Does bidder comply with specifications as written? Yes _____

No _____

REAR SCENE LIGHTS

Two (2) Whelen #M9ZC series Opti - Scene Lights with 8 - 32 degree optics, with optional FLANGE M9FC chrome flange shall be mounted on the upper rear of the body. The lights shall be controlled by a switch mounted on the cab switch panel and automatically activate when the transmission is shifted into reverse.

Does bidder comply with specifications as written? Yes _____

No _____

LIGHT TOWER NIGHTSCAN 5400 WATT

Furnish and Install one NS15-3600M/DT (15ft. Mast with 6 x 900W / 230 VAC light dual tilt RCP) is a surface mounted light tower that weighs up to approximately 180 pounds. The tower requires 12volt DC electricity at 20 amps, 230volt AC electricity at 15 amps and a pneumatic source that is between 20 and 120 psi supplied by the vehicle or independent power source. The unit's six 900watt quartz halogen Havis-Shields Magnafire fixtures deliver a total of 192,000 lumens of floodlighting. The light tower uses a Dual Tilting RCP (Remote Control Postioner) attached to the top of the tower to allow full rotation and tilt of the light fixtures at any vertical height to ensure total scene coverage above or beside the vehicle. The light tower extends to a height of 15ft.(4.6m) and auto stows to a maximum height of 13.5 inches from the mounted surface. The light tower's functions including "auto stow," are operated by a hardwired pistol grip remote that is supplied with the tower. The light tower uses an RCP (Remote Control Positioner) attached to the end of the mast to allow full rotation and independent tilt (Dual Tilt) of the right and left light banks at any vertical height to ensure total scene coverage in two separate directions.

Does bidder comply with specifications as written? Yes _____

No _____

LIGHTBAR FRONT

The Chassis cab Upper front area shall have a Whelen #FN60QLED Blue Edge Ultra Freedom Lightbar with clear outer lens and 60" in length. Two (2) Pair Whelen #FLDBB option shall be provided that consists of four (4) blue LED light heads. These light heads shall be installed in the front of the light bar. The light bar shall be permanently mounted on the cab roof on riser brackets to project the light straight to the front and rear.

Does bidder comply with specifications as written? Yes _____

No _____

INTERSECTION LIGHTS

Intersection Lighting shall be two (2) Whelen M7DC Blue LED Lights with M7FC optional chrome flange, one each side of the hood. These lights with separate switching on the switch cluster.

Two *Whelen* 700 series Super-LED light-heads with internal flasher, blue LED's with clear outer lens, model 90RR5FCR (or current model). Includes chrome flange 7EFLANGE9 (or current model) are to be mounted one on each side of body midway between front and rear.

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

GRILLE LIGHTS

Two (2) Whelen FFXEP19L, Whelen warning light LED shall be mounted on the cab grill. This light is blue and clear LED combinations.

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

FRONT BODY WARNING LIGHTS

Two *Whelen* 900 series Linear Super-LED lighthoods with internal flasher, blue LED's with clear outer lens, model 90RR5FCR (or current model). Includes chrome flange 90FLANGC (or current model) are to be mounted to the front of the body. One each shall be mounted on left and right side of body.

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

SIDE BODY WARNING LIGHTS

Three *Whelen* 900 series Linear Super-LED lighthoods with internal flasher, blue LED's with clear outer lens, model 90RR5FCR (or current model). Includes chrome flange 90FLANGC (or current model) are to be mounted one on each side of the upper sides of the body. Two each shall be mounted on left and right side of body.

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

REAR BODY WARNING LIGHTS

Two *Whelen* 900 series Linear Super-LED lighthoods with internal flasher, blue LED's with clear outer lens, model 90RR5FCR (or current model). Includes chrome flange 90FLANGC (or current model) are to be mounted one on each side of the upper rear of the body.

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

WARNING LIGHT FLASH REQUIREMENTS

The desired flash pattern shall be determined at the pre-construction conference.

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

BODY CONSTRUCTION CHARACTERISTICS

The Aft Custom Body shall be a 336" main body 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. A full length rubber isolator .75" thick x 3.5" wide of 50 durometer shall be installed between the modular body longitudinal rail and the chassis frame rail. 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. All body extrusions shall be polished aluminum or Stainless Steel only.

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

ROOF

The roof shall be constructed of one-piece .075" Composite Refrigerator Roof panel that prevents the absorption of UV rays and also reflects radiated heat for maximum interior cooling Roof shall be designed with a minimum crown of one [1"] inch to prevent pooling of water on roof. For this reason, flat roofs shall be considered unacceptable. Roof cross members shall be .125" thick custom extrusions (1-1/2" x 1-1/2" aluminum tube can be substituted to the same specifications) 16" on center and be made of a highly corrosion resistant 6061T6 aluminum alloy with 1% magnesium and .6% silicone with a tensile strength range of 31,000 to 35,000 psi. Corner caps shall be cast aluminum and welded in place.

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

WALLS

The sides shall be constructed of .063" pre-painted aluminum sheets utilizing rivetless construction 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. Each sidewall shall have twenty one (21) vertical .125" wall extrusions 16" on center and joined to the roof supports. The body channels shall be a highly corrosion resistant 6061T6 alloy with 1.0-% magnesium and .6% silicone and a tensile strength range of 31,000 to 35,000 psi. All roof and side support bows are .125" aluminum. Vertical corner extrusions shall be .125" thickness and have a 5" radius. The vertical extrusions shall be of a web construction design for internal structural support.

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 moisture barrier 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 _____

SIDE AND REAR ENTRY DOORS

The Sedan style automotive entry/egress doors shall be constructed of .125" 5052H32 aluminum sheet box formed with a 1-7/8" return bend supporting the .090" 3003 alloy aluminum inner liner covered in Formica laminate. Extruded doors and/or door frames are not acceptable. In addition, for maximum rigidity, 1-1/2" "C" channel bracing shall be added internally for additional door structural integrity. The hinge shall be a stainless steel staked piano hinge with a 1/4" hinge pin. The use of RV style doors is not acceptable.

The doors shall have a FMVSS approved Tri-Mark rotary latch with a Tri-Mark locking handle and shall have a two-point rotary latch with adjustable Nader pins located on the side of the door. It shall also be equipped with a gas strut door check sized to the door. The door shall provide a clear opening of at least 32" wide and 80" high. When opened, the door shall activate the interior ceiling lights. The door will open outward from the interior and have a Yale or equal dead bolt lock keyed to the exterior and a twist lock on the interior in addition the Tri-Mark door handle. Interior of doors shall be equipped with 1-1/4" stainless steel 45 degree angled patron grab handle.

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

DOOR WINDOWS

The entry/egress doors shall be provided with a 27" high x 19" wide window. It shall have tempered automotive safety glass.

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

ENTRY STEP WELL

The step shall be constructed of aluminum diamond plate and shall be reinforced. It will be a double step set up. It shall be at least 32" wide and shall allow easy entry and egress.

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

BODY WINDOWS

There shall be three (3) approximately 30" Wide x 15" High radius cornered side slider windows installed two (2) in each slide out in the operations area and one (1) in the test center area.

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

EXTERIOR COMPARTMENT DEPTH

All exterior compartments shall have a clear depth of approximately 30".

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

LEFT SIDE COMPARTMENTATION

FORWARD OF REAR WHEEL WELL – GENERATOR COMPARTMENT

One (1) lower compartment shall be provided in the forward area ahead of the rear wheel well. The (D1-Generator) compartment shall have the approximate dimensions as follows: 60" wide x

30" high The (D1-Generator) compartment shall have a solid flush mounted top hinged door constructed of aluminum. The (D1-Generator) compartment shall have a vented door for ventilation of the Generator. The compartment shall be provided with heavy duty ball bearing slides and tray to create a roll shelf for the generator. The generator compartment shall have a louvered vented door.

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

FORWARD OF REAR WHEEL WELL – D2 AND D3 (STREETSIDE)

The (D2) compartment shall have the approximate dimensions as follows: 48" wide x 30" high
The (D2) compartment shall have a solid, flush mounted, vertically hinged door, constructed of aluminum. The (D3) compartment shall have the approximate dimensions as follows: 48" wide x 30" high. The (D3) compartment shall have a solid flush mounted top hinged door constructed of aluminum.

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

REAR OF WHEEL WELL – D4 (STREETSIDE)

One (1) lower compartment shall be provided in the forward area behind the rear wheel well.
The (D4) compartment shall have the approximate dimensions as follows: 48" wide x 24" high
The (D4) compartment shall have a solid, flush mounted, vertically hinged door, constructed of aluminum.

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

RIGHT SIDE COMPARTMENTATION

FORWARD OF REAR WHEEL WELL - P1, P2 AND P3

Three lower compartments shall be provided in the forward area behind the entry/egress door and ahead of the rear wheel well. The (P1, P2) compartments shall have the approximate dimensions as follows: 60" wide x 30" high. The (P1, P2) compartments shall have a solid flush mounted top hinged doors constructed of aluminum. The (P3) compartment shall have the approximate dimensions as follows: 48" wide x 30" high. The (P3) compartment shall have a solid, flush mounted, vertically hinged door, constructed of aluminum.

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

EXTERIOR MONITOR STORAGE

A compartment to house the external monitor shall be installed above the rear wheel well area and shall have a top hinged door with gas struts on both sides to hold the door open when in use. The approximate dimensions shall be 30" wide x 24" high. Compartment must be watertight.

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.

COMPARTMENT ILLUMINATION

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

Each compartment interior & exterior, shall have a minimum of two (2) Whelen PSCOCDRCR Super LED Strip Light with PSBKT451, 45 degree mounting kit clear LED light kits. The lights shall be rubber grommet mounted on the side compartment walls with one positioned high and one low and with adjustable mounts to allow positioning that will eliminate or reduce blockage from equipment and adjustable shelves when supplied. If appropriate, the compartment lights may be mounted in ceiling A single moisture and corrosion resistant switch shall individually control the lights in each compartment. The switch shall activate only the lights in the compartment that is open. Door switches and wiring shall be located and mounted in a manner that will eliminate the potential for any damage from equipment being placed in or removed from compartments.

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

INSULATION – POLYSTYRENE

The module shall have 2" high density block extruded 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. The use of sprayed foam insulation shall not be acceptable do the lack of even coverage. The use of fiberglass batten insulation shall be prohibited due to the low R factor of fiberglass insulation.

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

INSULATION – ASTRO FOIL

Additionally the ceiling shall be insulated with ¼" astro-foil bubble insulation.

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

ADJUSTABLE SHELVES – STREET SIDE

One (1) adjustable shelf will be provided and installed in the D-2, and D-3 compartments. Each shall be easily adjusted to accommodate equipment/supply requirements.

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

ADJUSTABLE SHELVES – CURB SIDE

One (1) adjustable shelf shall be provided in the P1,P2 compartments. It shall be easily adjusted to accommodate equipment/supply requirements.

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

EXTERIOR GRAB RAILS

An exterior style 16" stainless steel grab rail shall be installed on the curbside of the vehicle to the left of each 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 black enamel finish.

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

EXTERIOR ROOF LADDER

Furnish and Install a ZICO a One step fold-down & 4 step straight section: Stores ladder parallel to the body. Release the locking handle and pull the ladder out to a comfortable climbing angle. The ladder automatically latches and will not retract until the scissor lock is raised. Standard configuration has a two-rung fold-down section and a six-rung main ladder section. Cast

aluminum rungs have flat, non-skid surface to provide traction and safety. Each step is 3" deep x 15-1/2" wide. Handrails are 1-1/4" heavy-walled aluminum tubing, covered between rungs by ribbed black neoprene tubing which provides firm gripping surface.

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

EXTERNAL SHOWER HEAD

Furnish and install one external compartment with a hand held shower head with cutoff. The shower head shall be plumbed to the fresh water on board tank.

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 _____

FENDERETTES

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 _____

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.

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 _____

BODY AWNING

One (1) Carefree twelve foot (12') electric awnings with windsmart detector shall be installed on the curb side of the vehicle body.

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

SLIDE OUT BODY MODULES

Furnish and install two (2) eight foot approximately (electric or mechanical) slide out compartments, One (1) in the curb side and One (1) in the street side operations area of the vehicle. The slide outs each shall have one window. They shall be constructed so that floor of slide-out is flush with vehicle floor when deployed.

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 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 exterior grade particleboard (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**

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

OPERATIONS AREA CABINETRY

STREETSIDE OVERHEAD CABINET

A cabinet approximately 14" high x 48" wide with two equal doors shall be installed above the operations work center 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

A street side base cabinet will be installed in the conference work center. It will be approximately 29" high x 40" wide with 4 drawers 6 inches high and two drawers approximately 12 inches high with a full length counter top 21" deep x 120" long with a gasket lock radius backsplash. The drawers shall have a full length aluminum pull handle on each drawer. The base cabinet shall have radius edges and corners for occupant protection.

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

GALLEY AREA CABINETRY

GALLEY OVERHEAD CABINET

An overhead cabinet approximately 24" high x 48" wide with one door and a space for a microwave oven insert with raised internal floor shall be installed above the conference work center 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 _____

GALLEY BASE CABINET

Install a curbside base cabinet approximately 40" high x 48" wide. Cabinet shall have two doors and an opening for a refrigerator. The doors shall have full length aluminum pull handle on each door. The base cabinet shall have radius edges and corners for occupant protection.

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

GALLEY REFRIGERATOR

A Norcold 2.7 cubic foot refrigerator model # DE-0251 T shall be furnished and installed in the galley base cabinet. It shall have adjustable door bins for various container sizes. Freezer shelf shall hold ice cube tray. Refrigerator shall have durable and easy to clean white powder coated shelves. Refrigerator shall provide for off-level operation up to 30 degrees.

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

MICROWAVE

A Panasonic microwave shall be furnished and installed in the galley overhead cabinet.

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

COFFEE MAKER

A Bunn or comparable commercial grade coffee maker with two (2) ten cup stainless steel pots shall be furnished. Coffee maker shall be mounted under the galley overhead cabinet.

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

GALLEY POTABLE WATER SYSTEM

The galley shall be equipped with a rectangular single stainless steel sink, 4" center set faucet, sink strainer, 30 gallon fresh water tank, and a holding tank. It shall include a Shur-Flo model # 2088-422-44412V water pump with sound absorbing base plate, an exterior potable water fill with cap, water level gauge, and a drain petcock on the water tank. It shall be completely plumbed for the DWV system. An additional five gallon water jug shall be furnished. Water pump shall be warranted for five years.

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

GALLEY HOT WATER HEATER

A 2.5 gallon electric hot water heater shall be furnished. It shall be properly vented and installed per the manufacturer's recommendations.

RESTROOM AREA-TWO RESTROOMS

COMMUNES

An Incinolet electric incinerating toilet that is for use in motor homes and other moveable vehicles shall be furnished in each bath It shall have a mounting plate with vibration protection. It is to be rated at 120 volts, 1800 watts, and have a one year warranty.

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

MIRRORED STORAGE CABINETS

A mirrored wall mount with depth to store toilet tissue shall be installed in each restroom area.

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

RESTROOM COUNTERS

The restroom counters shall be fabricated of stainless steel for ease of cleanup. They shall be approximately 14" x 24" in size.

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

HANDIWASH SYSTEM

The vehicle shall be equipped with an ESPAR Handiwash or equal, mounted as shown in Attachment 1. The drain tube will be covered and feed to a 10 gallon holding tank mounted below the floor. The holding tank drain shall be accessible through one of the storage compartments. The following shall be mounted near the handiwash unit:

- One liquid antibacterial soap dispenser mounted to wall
- One bi-fold paper towel dispenser, chrome finish
- Trash container

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

RESTROOM DOORS

Two (2) 24" X 74" solid doors with aluminum perimeter frame and polystyrene core mounted in aluminum jamb with a chrome plated paddle door lock shall be furnished.

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

COMMAND AREA CABINETS

STREETSIDE SLIDE OUT OVERHEAD CABINET

A cabinet approximately 14" high x 96" wide with four equal doors shall be installed above the communications work center 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 SLIDE OUT BASE CABINET

One (1) street side base cabinet will be installed in the conference work center. It will be approximately 29" high x 20" wide with two drawers approximately 12 inches high with a full length counter top 21" deep x 96" long. The drawers shall have a full length aluminum pull handle on each drawer. The base cabinet shall have radius edges and corners for occupant protection.

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

STREETSIDE COMMUNICATIONS CABINET

A street side base cabinet will be installed in the conference work center. It will be approximately 75" high x 24" wide. The door shall have a full length aluminum pull handle on the door. The base cabinet shall have radius edges and corners for occupant protection.

A 19" equipment rack shall be installed in cabinet.

Does bidder comply with specifications as written?

Yes _____

No _____

DISPACTH AREA CABINERY

CURB SIDE SLIDE OUT OVERHEAD CABINET

A cabinet approximately 24" high x 96" wide with four equal doors shall be installed above the conference work center 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 SLIDE OUT BASE CABINET

One (1) curb side base cabinet will be installed in the conference work center. It will be approximately 29" high x 20" wide with two drawers approximately 12 inches high with a full length counter top 21" deep x 96" long. The drawers shall have a full length aluminum pull handle on each drawer. The base cabinet shall have radius edges and corners for occupant protection.

Does bidder comply with specifications as written?

Yes _____

No _____

INTERIOR COMPARTMENT WALLS

The interior compartment walls shall be constructed of custom "Z" extrusions 1.5" x 1.5" with .125 wall covered with 3/8" plywood and FILON panel.

Does bidder comply with specifications as written?

Yes _____

No _____

POCKET DOORS

Sandwiched between two interior walls shall be an aluminum pocket door that will be 32" wide x 74" high. It shall constructed from pre-finished white .063" aluminum riveted together with a polystyrene core. The door shall slide on a double roller upper door track. There shall be a pocket door between the observation area and holding cells, and a pocket door between the observation and command area.

Does bidder comply with specifications as written?

Yes _____

No _____

INTERIOR COMPARTMENT LIGHTS

Nine (9) Thin-Lite brand 12VDC #716XL 18" recessed fluorescent lights shall also be provided and installed. On/off position switches shall be provided in convenient locations

Twenty Two (22) 12 volt Whelen 80-COEECR LED interior lights with chrome trim rings shall be provided, exact mounting locations to be determined at the pre-construction conference.

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 _____

STEPWELL LIGHTS

The interior step wells of the vehicle shall have a Grote light recess mounted, to illuminate the stepping surfaces. It shall be activated by opening the entry/egress door of the vehicle.

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 below the FILON sheet. 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

Furnish and Install a seamless Lonseal or equal all vinyl floor covering in a coin pattern that is designed for high traffic emergency service. The floor shall be oil resistant and include a bacteriostat to prevent cross contamination in vehicle.

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

H.V.A.C. EQUIPMENT

Two (2) 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. The air conditioning system shall be fully ducted in all areas of the vehicle including holding cells. Standard shroud type interior ducting is not acceptable.

Two auxiliary 1500 watt radiant heaters shall be furnished and installed in the two work centers.

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

WORK STATION SEATS

Four (4) Flex-Steel Model 529 DBSR high-back bucket seats with grey tweed Durawear seat covers shall be provided and seat bases shall be included. The seats shall have left and right fold up armrests, 5" of fore/aft adjustment, lumbar support and integral 3-point seatbelts. The seats shall be located per customer requirements

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

SEAMLESS PRISONER SEAT

Furnish and install one (1) seamless prisoner safety seat at the testing area. The seat shall not have visible seams and be designed for the prevention of cross-infection in prisoner transport vehicles. The prisoner transport seat meets OSHA's requirements for the easy removal of blood and water borne pathogens. It shall be equipped with a metal base for the attachment of hand cuffs for prisoner control. It shall also be equipped with a 3 point seat belt in the event someone is in the seat while the vehicle is moving.

Does bidder comply with specifications as written? Yes _____

No _____

PRISONER HOLDING AREA

The prisoner transport holding area shall be constructed of .125 aluminum panels on all the interior walls and ceiling. The area shall be made as tamper resistant as necessary to prevent damage to the interior. Where hardware is used it shall be of a tamper resistant design. The seating area is also to be constructed of aluminum. Drains shall be furnished in the floor for ease of clean up of the area. Sliding pocket doors with a small viewing window shall be furnished. The doors shall be all aluminum .125" construction on both sides of door and insulated with polystyrene insulation. The doors shall be box pan formed and designed to minimize seams. A locking mechanism shall be furnished that is also tamper proof. The exact design is to be determined at pre-construction conference.

Does bidder comply with specifications as written? Yes _____

No _____

VACUUM FORMED UPHOLSTRY

All seating and backrests in the prisoner transport area shall be constructed of 60 ounce vacuumed formed, seamless vinyl. One (1) three inch thick seat approximately 22" deep x 47.5" long shall be installed in each holding cell, One (1) 1-1/2" backrest approximately 12" high x 47.5" long shall be installed in each holding cell. The backrest shall be attached using brackets for ease of removal and the seat shall be attached using Velcro fasteners.

Does bidder comply with specifications as written? Yes _____

No _____

SATELLITE DISH SPECIFICATIONS

Furnish and Install the following equipment to provide nationwide satellite dish coverage for vehicle. Install one SkyEdge Based MSS VSAT Package, VoIP / ACU capable, with Satellite bandwidth via AMC-6. The system shall be comprised of the following equipment as a minimum.

- MSS-03 .98 meter C-Com #980 iNetVu auto-acquisition VSAT with 5000 controller and SkyEdge IP radio with 2 watt BUC/LNB
- 1 MSS-05 iNetVu 9000 integrated controller with DBS tuner, upgrade for 5000 controller
- 1 SEPRO-01 SEPRO-01 SkyEdge IP Pro modem upgrade with slot for mesh blade card
- 1 SEPRO-4P Four port hub blade for Pro modem
- 1 INSTSE-02 BAT Unit – Mobile install of .98 meter systems, calibration and certification of the antenna systems and checkout Standard VSAT install, plus mobile customization
- 1 SEBW-02 ODN – Emergency Management Bandwidth, ODN Broadband shared network, VoIP compliant Burst to: 1024 kbps/512kbps, Back up Usage only, 1 day (8-3 hour events per month) is included in testing and training. This covers one year of Bandwidth purchase. Additional years for up to three years can be

- purchased for \$1800.00 per year.
- 1 ATA-2 Two line ATA Quintum telephone adaptor
- 1 KUTRN-01 Training on use of equipment, one day
- 6 SE-VoIP-01 DID VoIP G729 telephone connection, fully committed
Back up use .07 per minute USA dial tone (2 lines per BAT Vehicle) First year line billing included

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

COMMUNICATIONS, TELEVISION, AUDIO/VISUAL, AND RADIO EQUIPMENT

MOTOROLA RADIOS –need info from customer to complete

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

C.A.M.M.S. SOFTWARE

CAMMS (Command Anywhere Mobile Mesh Software) CAMMS software used in conjunction with COTS networking hardware and standard 2.4 GHz and 4.9 GHz devices enables a self-forming, self-healing, and scalable wireless broadband mobile mesh network through which public safety agencies can securely share information in real time.

The CAMMS software controls the networking hardware to establish an ad hoc, self-forming, self-healing network and provides an easy-to-use interface to enable non-technical users to make full use of the capabilities of the software: share live digital video, white boarding, instant messaging, file sharing and more.

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

LCD MONITOR 40”

Furnish and install one (1) 40” monitor on the front wall of the command/dispatch area.

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

LCD MONITOR 27”

Furnish and install one (1) 27” monitor in an enclosed compartment on the street side of the vehicle.

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

COMPUTER WIRING AND CABLING

A two piece multi-channel nonmetallic raceway shall perimeter all workstations and computer stations for access to 120VAC. Wiring. Category 6 computer wiring and telephone connections shall be provided. All wiring shall meet the flammability requirements of UL-5; and be constructed of material with UL94V-0 rating. All category 6 wiring from each computer system shall be terminated in a Hubbell category 6 patch panel Model PC624U or equal. The patch panel shall be installed in a 19” wide x 24” high x 12” deep data communications rack. There shall be one category 6 port switch installed.

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

WORKSTATION NOTEBOOK COMPUTERS

Furnish and Install five (5) Panasonic Tough book 74 notebook computers. They shall have daylight-readable LCD with Touch screen. It shall utilize Intel Centrino 2 processor technology and have a magnesium alloy case with handle. It shall have a shock mounted mother board and a quick release Hard Drive. The computer shall be drop and spill resistant and be a mobile broadband ready design. System shall be downgradable to Windows XP operating system.

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

WI-FI ROUTER

A WI-FI router capable of supporting the computer system shall be installed.

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

PELCO CAMERA SYSTEM

Furnish and install a Pelco camera system comprised of the following components. Six (6) part # IS110-CHV9 high resolution color vandal resistant surface mount wide angle mini-dome cameras with smoked bubble. One (1) MCS16-20B Sixteen camera 24 VAC 240 VA power supply, One (1) Sixteen channel matrix switcher, two (2) KBD300A keyboards with joystick for camera call-up and PTZ control of external cameras, One (1) KBDKIT power supply and wiring breakout box for second joystick keyboard, Two (2) PMCL319A 19" Flat Panel LCD monitor with analog and VGA input capability, One (1) DB4616DVX-500 sixteen channel digital video recorder with 500GB hard disk storage including DVD writer, USB port for off-loading recorded video and remote viewing software to view video over a LAN.

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

FIRE EXTINGUISHERS

Three (3) 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, operations and galley area.

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

CARBON MONOXIDE MONITORS

Carbon monoxide monitors shall be installed in the communications/command area, operations area, and the prisoner holding area.

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

SMOKE DETECTORS

Smoke detectors shall be installed in the communications/command area, operations area, and the prisoner holding area.

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

PAINT

To produce a high quality paint finish and to comply with the paint manufacturers certification requirements the preparation and painting process described below, must be used.

Prior to initiating the surface preparation process, all hardware, handles, light fixtures, door hinges, corner trim, etc. shall be removed from the body. Additionally, any portion of the chassis, which does not require refinishing, shall be protected from the ensuing processes.

To rid the aluminum body of any extraneous materials or material impurities the entire surface shall be washed and wiped with a certified wax and grease remover. The entire surface shall be sanded with 80-grit dry sandpaper to provide a good base for the fillers and primers. Excess weld material shall be removed by grinding all welds, seams, and any other body imperfections. These areas shall be filled with premium lightweight filler and sanded smooth. Premium glaze putty shall be applied to the sanded areas to provide adequate base for the adherence of primers. The higher elasticity of the glaze putty eliminates future cracking problems.

The entire surface shall be washed a second time with wax and grease remover before application of any primers. Acid-based, self-etching primer shall be applied to provide a base for adequate adherence of materials to be applied in subsequent steps of the process. Epoxy primer/surfacer shall be applied. The entire surface shall be sanded smooth and epoxy primer/surfacer applied a second time followed by a urethane sealer.

Door edges and door jambs shall be prepared similarly to other body surfaces and finish painted with a certified single-stage paint. The entire surface of the vehicle body shall be DA finish sanded with 220 grit dry sandpaper. The surface shall be washed and wiped with a certified wax and grease remover and tacked for sealing.

A full wet coat of primer/sealer shall be applied and allowed to dry. A minimum of two (2) medium wet coats of basecoat paint shall be applied. Following the prescribed drying time, the vehicle shall be masked for the application of striping and graphics (if specified) and appropriate basecoat colors applied.

Urethane clear coat paint shall be applied in three (3) full wet coats and baked at 165 degrees F. for 45 minutes. The body is then color sanded with 1000 grit paper, compounded, buffed, and polished.

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

BODY PAINT COLOR

Basic Vehicle is White, other colors available and can be determined at pre-construction conference

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

MARKINGS / LOGOS

Markings and logos to match existing vehicles in fleet unless otherwise specified or determined at pre-construction conference.

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_____

Does bidder comply with specifications as written?

Yes_____

No_____

OPERATOR TRAINING

If required, successful bidder will arrange training for an operator selected from the staff of the Bureau of Indian Affairs. This training is to cover basic theory, proper operations and maintenance of the vehicle and equipment installed. All costs of class instruction is to be borne by the bidder.

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. POINT: _____
DELIVERY/CALENDAR DAYS: _____

BID IS: _____ AS PER SPECIFICATION TAKING NO EXCEPTIONS

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

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: _____

*NOTE: All variations and/or exceptions must be listed on the attached pages by page and paragraph number from specifications and explained in detail. Failure to so list the exceptions will disqualify the bid.

