DIESEL ENGINE CAB & CHASSIS

SPECIFICATION - CAB / CHASSIS, 15,000 LB. GVWR, DIESEL

(Ford F450, Dodge 4500, International Terrastar or equal)

EQUIPMENT: The 15,000 lb. GVWR cab & chassis trucks shall be equipped with all standard equipment as specified by the manufacturer for this model, and shall comply with all EPA Emission Standards and all Motor Vehicle Safety Standards as established by the U.S. Department of Transportation regarding the manufacture of motor vehicles.

INTERIOR: Vinyl

CAPACITY: GVWR shall not be less than 15,000 lb.

CAB TO AXLE: Shall be available in a nominal 84" & 60". Selection of the CA shall not alter engine, transmission and tire requirements listed herein. Bids will be evaluated on price for the 84" C/A, 60" optional. (see deduct option).

ENGINE: 6 cylinder (minimum) diesel with no less than 6.0 Liter with a minimum of 190 HP.

TRANSMISSION: HD four-speed (minimum) automatic w/overdrive

TIRES: Six (6) Tires - LT**225/70R19.5**, load range G, tubeless, dual rear.

RADIO NOISE SUPPRESSION: - (Standard State Specification)

AUXILIARY POWER CONNECTION: - (Standard State Specification)

AUXILIARY POWER OUTLET: (Standard State Specification) – May be installed by an upfitter if not available from manufacturer.

STEP BAR - ENTRY/EGRESS: - (Standard State Specification)

COLOR: Standard Factory Colors

WARRANTY: All engines shall be warranted against defects in materials and workmanship for a period of not less than forty-eight (48) months / 100,000 miles, whichever occurs first (pro-rating not allowed). Warranty shall include connectors and adapters to the transmission. The automatic transmission shall be warranted for a period of not less than twenty four (24) months-50,000 miles (pro-rating not allowed). The warranty start date shall be based on the unit's in-service date as established by its issue from the Department's Equipment Depot to the using field custodian. The unit shall be furnished with a copy of the warranty statement and any necessary cards, booklets, or certificates needed to receive dealership warranty repairs.

~~***The truck vendor shall be the prime contractor for the overall truck warranty and shall serve as the agent for the truck owner to address any problems or warranty claims with the manufacturer. The prime contractor shall also serve as the agent to address any claims with the manufacturer of any sub component installed on the truck prior to delivery. The prime contractor shall be responsible for transporting the truck to and from the manufacturer/sub-contractor.~~

Warranty Specifications For:

<u>ALL VEHICLES:</u> When local dealerships are unable to complete warranty repairs, the Offeror shall serve as the facilitator for the vehicle owner to address any problems or warranty claims with the manufacturer. The Offeror shall also serve as the facilitator to address any claims with the manufacturer of any sub component installed on the vehicle prior to delivery. The Offeror shall be responsible for coordinating the necessary warranty issues and repairs with manufacturer/sub-contractor.

FACTORY INSTALLED ITEMS

The following options shall be furnished in addition to, or in place of, the regular standard equipment and will be "Factory Installed", unless specified otherwise.

1. Extended Breakaway Mirrors – (Standard State Specification)

2. Minimum 850 CCA Battery (Dual 750 CCA Batteries is acceptable)

3. Minimum 110 AMP Alternator

4. Dual Electric Horns

5. Clearance Lights

6. Back-up Alarm (107 db with ID label) (may be dealer installed)

7. HD Cooling System

8. Tinted Glass (All)

9. Minimum 30 gallon Fuel Tank - (may require auxiliary)

10. AM/FM Stereo Radio

11. Automatic Transmission

12. Air Conditioning

13. Split bench seat designed to seat three (3) passengers. Headrests or high backs at outside positions. Lap safety belts for all positions & shoulder safety belts at outside positions

14. Auxiliary Power Connection - (Standard State Specification)

15. Auxiliary Power Outlet – (Standard State Specification) – May be installed by an upfitter if not available from manufacurer.

16. STEP BAR – ENTRY / EGRESS - (Standard State Specification)

17. Radio Noise Suppression - (Standard State Specification)

18. Driver and Passenger Air Bags

OPTIONAL EQUIPMENT

The following factory installed options may or may not be required:

ADDS:

1. Body Installation Fee (Charge based on the dealer arranging for bodies to be installed on this cab & chassis from the State contract vendor)
2. 4-Door Crew Cab - 84" CA
3. Operator's Manual
4. Shop Manual (for all components – CD or DVD preferred)
5. Limited-slip differential
6. Cruise Control w/Tilt Steering
7. Operator Training - (ref. "Training" in Terms & Conditions - Special (VII.B))**
8. Repair Technician Training - (ref. "Training" in Terms & Conditions - Special (VII.B))**

****Section VIIB addresses training as follows**:**

"6. **TRAINING**: The successful bidder shall furnish training to be conducted by factory authorized trainers in a ratio of one day of training for up to 15 students for each thirty (30) vehicles purchased. This training shall be provided on subjects requested by State Fleet Management and at locations throughout the State. The state will consider other than live, on-site methods of training that the vehicle manufacturer may offer. All training offers are subject to approval by the State Fleet Manager."

DEDUCTS:

1. Step Bar - Entry/Egress
2. Change from Diesel to Gasoline Engine - (reduce battery size to minimum 650 CCA)
3. 60" CA

Options requiring the additions of other options as well as those which are included as part of another:

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STANDARDIZED SPECIFICATIONS (revised 08/15/2013)

The following 14 specifications are applicable if they are listed as "Factory Installed Items" (included in the "Base Price") or "Option Equipment" (Add or Deduct Pricing). If they are not referenced by the spec item name (example: Tow Package) in the individual vehicle spec, they do not apply. Should it be necessary to deviate from a standard spec, the deviation(s) will be expressly stated within the individual vehicle spec. The individual vehicle spec takes precedence over the standardized vehicle spec. Unless stated otherwise in an individual vehicle's specification, the following standardized specifications apply:

IMPORTANT NOTICE: Contractors should review purchase orders carefully for items such as drawbar, pin, clip and shank configuration information as well as anything else needing further description for that order as provided in the contract documents. They should notify the governmental entity when needed information is missing. This office will require delivery of all specified items unless the governmental entity provides specific notice of relief from same in writing. THESE TYPE ITEMS ARE INCLUDED IN THE CONTRACT PRICES!

1. **TOW PACKAGE** ****FACTORY INSTALLED****: Factory installed hitch plus all necessary components to match or exceed the maximum rated towing capacity of vehicle are to be included. Wiring will include everything necessary to hook-up both 4 way and 7way wiring harnesses. Contractor to provide **(at no additional charge)** the drawbar, pin, clip, ball, and shank configuration specified by the owner when each order is placed (example: Dept. of Natural Resources standard configuration unless specified otherwise on their purchase order is as follows: Drawbar w/2" drop, pin, clip, and 2" ball w/ 1" solid shank).

   NOTE: If the drawbar, pin, clip, and shank configuration is inadvertently left off a purchase order, it does not relieve the contractor of the requirement to provide same as specified in the contract documents.

2. **WINCH:** Electric, Front Mount, 9,000 lb. with Roller Fair Lead (5742) and 125' cable, Grill Guard and Mounting Bracket, Warn model XD9000i. **Mounting bracket must not extend down below the height of the front bumper. (May be installed by Dealer or approved Upfitter)**

3. **RADIO NOISE SUPPRESSION:** The vehicle is to be used as a governmental fleet vehicle and will have an approximate 150-watt mobile (two-way) radio installed, operating on frequencies designated by the FCC for use in the Public Safety Radio Service (47 CFR 90). The vehicle shall be fully compatible with the above radio installation, and vehicle components and equipment shall not interfere with operation (transmitting or receiving) of the mobile radio.

4. **AUXILIARY POWER CONNECTION:** A factory installed two wire power connection shall be provided in the engine compartment. If the specified connection is NOT offered by the manufacturer, said connection may be installed by an upfitter. Documentation of non-availability from the manufacturer is to be obtained from the manufacturer and included in the bid submittal. The circuit shall be a minimum 5 amp fused with a **minimum 14 gauge automotive grade cable**. The circuit shall operate with the ignition switch in the "Accessory" or "On" position and shall include one blue wire for ignition and one red wire for accessory. The power connection will allow installation of additional high amperage accessories.

5. **AUXILIARY POWER OUTLET:** A factory installed 12 volt single port power outlet shall be provided in the dashboard or front console of the vehicle. The power outlet shall operate independently from other electronic components with a minimum 20 amp circuit. The outlet shall operate with the vehicle ignition

switch in the "Off" or "On' position and shall be accessible from the driver's seat position. If not available from the manufacturer, the auxiliary power outlet may be installed by an up-fitter.

6. **STEP BAR – ENTRY / EGRESS:** On level ground, where the vertical clearance from the ground to door threshold (place where the driver and passenger(s) place their foot when entering the cab) exceeds nineteen inches, a 3 inch diameter step bar shall be installed on both sides of the vehicle so the ground clearance to the bar does not exceed nineteen inches. For vehicles with extended, quad, or crew cabs, an extended or double step bar shall be installed that services entry to and egress from all doors. In all cases, overall manufacturer desired vehicle ground clearance must be maintained. The bar shall be the type customarily manufactured and marked for this purpose. It may be factory, dealer, or approved up-fitter installed. The step bar shall be a BULLY single, extended, or double step bar, or equal. **For vans and utilities (SUV's)** with steps that exceed nineteen inches, a full running board type step with a platform measuring no less than six inches deep must be installed to allow entry and egress from all side doors (including all doors mounted on drivers side.) A step is not required for rear door access.
   Step Bar Color: Black Powder Coated
   OEM molded plastic running boards are acceptable (black).

7. **4 x 4 WHEEL DRIVE PACKAGE** - The following items are included:

   a. Transfer Case with Auto Locking Hubs (operator can lock in hubs without leaving the cab)
   b. Factory Skid Plates (minimum set includes transfer case and fuel cell protection)
   c. Locking or Limited Slip Differential, or Electronic Traction Control
   d. Suspension – all changes recommended by the manufacturer for 4 x 4 operation
   e. All Terrain Tires

   IMPORTANT DISTINCTION: The State does NOT consider All Wheel Drive (AWD) to be equivalent to Four Wheel Drive (4 x 4). Therefore, AWD will NOT be accepted as a substitute for 4 x 4.

8. **DAYTIME RUNNING LIGHTS:** If standard equipment, daytime running lights are to be made inoperable prior to delivery on vehicles purchased by law enforcement entities.

9. **MIRRORS – EXTENDED, BREAKAWAY:** The primary mirror will be a minimum of 6" x 14". The convex mirror will be a minimum of 5". The purpose of the mirror is to improve the driver's view to the rear when towing and backing.

10. **TIRES:** Tires will be mounted with black walls turned to the outside. All tire walls with contrasting colors such a white walls, red walls, raised white letters, etc. will be turned to the inside. The buying governmental entity may reject delivery if black walls are not turned to the outside.

11. **THREE (3) KEYS:** Three (3) complete sets of keys are to be provided for each vehicle delivered. The cost for same is included in the base price. This requirement applies to all types of key systems (traditional 2 key sets, traditional 1 key, programmable 1 key, etc.). Does not apply to keyless entry remote unless integrated into the key. All systems of the vehicle must function with the third key with the exception of remote entry.

12. **FLOOR MATS:** Unless stated otherwise in the individual vehicle specifications the following applies:

a. **When floor mats are available through the manufacturer, the mats provided will be either the manufacturer's mats or equal. The equal must meet or exceed the manufacturer's mat fit and quality characteristics. This applies to both carpeted and rubber/vinyl mats. If an equal is being offered, it will be identified in the offer as a dealer installed item.**
b. Vehicles with carpeted interiors will include high grade factory carpeted floor mats or equal.
c. Vehicles that do not have carpeted interiors will include high quality, heavy duty rubber/vinyl floor mats.
d. In the event required floor mats (listed as a factory installed item in the individual vehicle specification) are not available through the manufacturer; high quality, heavy duty floor mats will be offered and identified in the offer as a dealer installed item. The floor mat type will be the same as that listed in the individual vehicle specification (rubber/vinyl or carpeted).

NOTE: Should a vehicle with carpeted interior specify rubber or vinyl floor mats, the mats will be high quality, heavy duty rubber/vinyl mats. Item A (above) applies.

13. ENGINES – GASOLINE / UNLEADED / E10:

For gasoline powered vehicles and equipment, fuel system components and gasoline engines shall be compatible with E10 ethanol blends, minimum. These engines are to perform as follows:

a. No noticeable degradation in vehicle drivability,
b. Minimal impact on vehicle operating efficiency (defined to be no more than 10% decrease in fuel economy)
c. Maintenance sensors and warning systems are to display normally (example: use of E10 is not to cause the check engine light to display)

NOTICE: The State has transitioned to the E10 Unleaded Fuel Blend. The fuel contracts reflect same.

14. FUEL SYSTEM: For Diesel powered vehicles and equipment, fuel system components and Diesel engines shall be compatible with B20 bio-diesel blends, minimum.

15. HEAD RESTRAINTS: All outboard seating positions shall have factory installed head restraints via head rests or high back seats. The head restraints shall meet all requirements of U. S. Department of Transportation National Highway Traffic Safety Administration and Federal Motor Vehicle Standards.

NOTE: If head restraints are not available, the contactor shall provide each ordering governmental entity notification from the manufacturer verifying that head restraints are not available. If head restraints are available from the manufacturer as either a standard or option item, they must be included in the offer and incorporated into the base price of the vehicle.

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