



State of South Carolina

Invitation For Bid Amendment #1

Solicitation: **5400011744**
 Date Issued: 09/08/2016
 Procurement Officer: MICHAEL SPEAKMON
 Phone: 803-737-9816
 E-Mail Address: mspeakmon@mmo.sc.gov
 Mailing Address: SFAA, Div. of Procurement Services, MMO
 PO Box 101103
 Columbia SC 29211
 Physical Address: 1201 Main Street, Suite 600
 Columbia, SC 29201

DESCRIPTION: STATEWIDE FOR CAB & CHASSIS

USING GOVERNMENTAL UNIT: Statewide Term Contract

SUBMIT YOUR OFFER ON-LINE AT THE FOLLOWING URL: <http://www.procurement.sc.gov>

SUBMIT OFFER BY (Opening Date/Time): 09/26/2016 11:00 A.M. (See "Deadline For Submission Of Offer" provision)

QUESTIONS MUST BE RECEIVED BY: 09/15/2016 10:00 A.M. Questions Limited to Amended Parts Only

NUMBER OF COPIES TO BE SUBMITTED: **** Online Submittals Preferred ****
If Submitting Paper Submittals – 2 (1 original & 1 copy)

CONFERENCE TYPE: **Pre-Bid**
 DATE & TIME: **08/30/2016 9:30 A.M.**
 (As appropriate, see "Conferences - Pre-Bid/Proposal" & "Site Visit" provisions)

LOCATION: **West Columbia City Hall
 New Brookland Room
 200 North 12th Street
 West Columbia, SC 29169.**

AWARD & AMENDMENTS Award will be posted on **10/13/2016**. The award, this solicitation, any amendments, and any related notices will be posted at the following web address: <http://www.procurement.sc.gov>

You must submit a signed copy of this form with Your Offer. By signing, You agree to be bound by the terms of the Solicitation. You agree to hold Your Offer open for a minimum of thirty (30) calendar days after the Opening Date.
 (See "Signing Your Offer" provision.)

NAME OF OFFEROR
Carolina International Trucks, Inc
 (full legal name of business submitting the offer)
 Any award issued will be issued to, and the contract will be formed with, the entity identified as the Offeror. The entity named as the offeror must be a single and distinct legal entity. Do not use the name of a branch office or a division of a larger entity if the branch or division is not a separate legal entity, i.e., a separate corporation, partnership, sole proprietorship, etc.

AUTHORIZED SIGNATURE

 (Person must be authorized to submit binding offer to contract on behalf of Offeror.)

DATE SIGNED
 9/22/16

TITLE
Sales Manager
 (business title of person signing above)

STATE VENDOR NO.
7000083474
 (Register to Obtain S.C. Vendor No. at www.procurement.sc.gov)

PRINTED NAME
Jon R Downs
 (printed name of person signing above)

STATE OF INCORPORATION
Delaware
 (If you are a corporation, identify the state of incorporation.)

OFFEROR'S TYPE OF ENTITY: (Check one) (See "Signing Your Offer" provision.)

Sole Proprietorship Partnership Other _____

Corporate entity (not tax-exempt) Corporation (tax-exempt) Government entity (federal, state, or local)

PAGE TWO

(Return Page Two with Your Offer)

<p>HOME OFFICE ADDRESS (Address for offeror's home office / principal place of business)</p> <p>1619 Bluff Road Columbia SC 29201</p>	<p>NOTICE ADDRESS (Address to which all procurement and contract related notices should be sent.) (See "Notice" clause)</p> <p>1619 Bluff Road Columbia SC 29201 803-799-4923 ext 2230</p> <p>Area Code - Number - Extension Facsimile</p> <p>lbarksdale@carolinainternational.com</p> <p>E-mail Address</p>
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<p>PAYMENT ADDRESS (Address to which payments will be sent.) (See "Payment" clause)</p> <p>PO Box 754B Columbia, SC 29202</p> <p><input type="checkbox"/> Payment Address same as Home Office Address <input type="checkbox"/> Payment Address same as Notice Address (check only one)</p>	<p>ORDER ADDRESS (Address to which purchase orders will be sent) (See "Purchase Orders and "Contract Documents" clauses)</p> <p><input checked="" type="checkbox"/> Order Address same as Home Office Address <input type="checkbox"/> Order Address same as Notice Address (check only one)</p>
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ACKNOWLEDGMENT OF AMENDMENTS
Offerors acknowledges receipt of amendments by indicating amendment number and its date of issue. (See "Amendments to Solicitation" Provision)

Amendment No.	Amendment Issue Date						
1	9/16/16						

DISCOUNT FOR PROMPT PAYMENT (See "Discount for Prompt Payment" clause)	10 Calendar Days (%)	20 Calendar Days (%)	30 Calendar Days (%)	_____ Calendar Days (%)
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PREFERENCES - A NOTICE TO VENDORS (SEP. 2009)

Preferences do not apply to vehicle procurements per 11-35-1524(E)(5)

PREFERENCES - ADDRESS AND PHONE OF IN-STATE OFFICE

Not applicable to this procurement.

Invitation For Bid

Version: 3

Bid invitation number: 5400011744

Description: STATEWIDE FOR CAB & CHASSIS

Bidder Response: 0.01 (United States Dollar)

EVALUATED AMOUNT - (BASE PRICE) PLUS (TOTAL ADDS X 0.25) MINUS (TOTAL DEDUCTS X 0.25)

Bidder Response: 1,000,000.00 (United States Dollar)

Specify the Terms of the Warranty for this Vehicle

Bidder Response: NA

Line Number: 0005

CC-5: 22,000 GVWR, Diesel Engine

Item Category: Material

Vendor Product Number: 4000

Product Category: 07210 - Trucks Cab & Chassis Only

Internal Item Number: 5

Target Quantity of Bid Invitation: 10.00 each

Price: 60,647.00 (United States Dollar) Per 1 each

Delivery Time (Duration): 75 days

Information from purchaser - item tendering text

CC-5: 22,000 GVWR, Diesel Engine, Dual Rear Wheel

Bidder's item attachment(s)

Durastar

Minority

Insurance

Cover Sheet

Item attributes

Are you entering a bid for this line item? If so, then all remaining attribute questions must be answered. Failure to respond to any attribute question may result in your bid being determined non-responsive.

Bidder Response: Y

Questionnaire - Year

Bidder Response: 2018

Questionnaire - Make

Bidder Response: International

Questionnaire - Model

Bidder Response: Durastar

Questionnaire - Series

Bidder Response: 4000

Questionnaire - Engine (Cylinder)

Bidder Response: 6

Invitation For Bid

Version: 3

Bid invitation number: 5400011744

Description: STATEWIDE FOR CAB & CHASSIS

Questionnaire - Engine (Liter)

Bidder Response: **6.7**

QUESTIONNAIRE - STANDARD FACTORY COLORS EXTERIOR

Bidder Response: **white, red, black, blue, orange**

QUESTIONNAIRE - STANDARD FACTORY COLORS - INTERIOR

Bidder Response: **gray**

INDICATE DELIVERY TIME DAYS ARO

Bidder Response: **75 Days**

ADD - BODY INSTALLATION FEE FOR ARRANGEMENT OF BODIES TO BE INSTALLED BY STATE CONTRACT VENDOR

Bidder Response: **200.00 (United States Dollar)**

ADD - INCREASE CA TO 102"

Bidder Response: **0.01 (United States Dollar)**Comments: **Standard Item - No Charge**

ADD - INCREASE CA TO 120" (FROM 84")

Bidder Response: **0.01 (United States Dollar)**Comments: **Standard Item - No Charge**

ADD - INCREASE CA TO 138" (FROM 84")

Bidder Response: **214.00 (United States Dollar)**

Add - Auxiliary Power Connection

Bidder Response: **0.01 (United States Dollar)**Comments: **Standard Item - No Charge**

ADD - FULL AIR BRAKES

Bidder Response: **924.00 (United States Dollar)**

ADD - OPERATORS MANUAL

Bidder Response: **0.01 (United States Dollar)**Comments: **Standard Item - No Charge**

ADD - OPERATOR TRAINING

Bidder Response: **0.01 (United States Dollar)**Comments: **Standard Item - No Charge**

ADD - REPAIR TECHNICIAN TRAINING

Bidder Response: **0.01 (United States Dollar)**Comments: **Standard Item - No Charge**

ADD - SHOP MANUAL (FOR ALL COMPONENTS - CD OR DVD PREFERRED SPECIFY)

Bidder Response: **1.00 (United States Dollar)**Comments: **Standard Item - No Charge**

Invitation For Bid

Version: 3

Bid invitation number: 5400011744

Description: STATEWIDE FOR CAB & CHASSIS

ADDS - TOTAL OF ALL ADDSBidder Response: **1,338.00 (United States Dollar)****ADDS - TOTAL ADDS X 0.25**Bidder Response: **335.00 (United States Dollar)****DEDUCT - Auxiliary Power Connection**Bidder Response: **37.00 (United States Dollar)****DEDUCT - AUXILIARY REAR SPRINGS**Bidder Response: **0.01 (United States Dollar)**Comments: **Standard Item - No Charge****DEDUCT - PINTLE HOOK ASSEMBLY**Bidder Response: **1,275.00 (United States Dollar)****DEDUCTS - TOTAL OF ALL DEDUCTS**Bidder Response: **1,312.00 (United States Dollar)****DEDUCTS - TOTAL DEDUCTS X 0.25**Bidder Response: **328.00 (United States Dollar)****EVALUATED AMOUNT - (BASE PRICE) PLUS (TOTAL ADDS X 0.25) MINUS (TOTAL DEDUCTS X 0.25)**Bidder Response: **60,654.00 (United States Dollar)****Specify the Terms of the Warranty for this Vehicle**Bidder Response: **60months/6300hours/175,000miles****Line Number: 0006****CC-6: 37,000 GVWR, Diesel Engine**

Item Category: Material

Vendor Product Number: 7000

Product Category: 07210 - Trucks Cab & Chassis Only

Internal Item Number: 6

Target Quantity of Bid Invitation: 10.00 each

Price: **69,999.00 (United States Dollar) Per 1 each**Delivery Time (Duration): **75 days****Information from purchaser - item tendering text**

CC-6: 33,000 GVWR, Diesel Engine, Std. Cab, 120" CA

Bidder's item attachment(s)

Minority

Insurance

Cover

Workstar

STANDARDIZED SPECIFICATIONS (revised 08/11/2016)

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!**

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.

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.

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

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:

- No noticeable degradation in vehicle drivability,
- Minimal impact on vehicle operating efficiency (defined to be no more than 10% decrease in fuel economy)
- 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.



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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 equipped with vinyl or rubber flooring should be equipped with the factory standard Floor Mat that reduces movement of mats on such flooring material. If a factory standard mat is not available, vehicles equipped with vinyl or rubber flooring should not be delivered with 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 (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.

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

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

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

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.**

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.

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.

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).

THREE (3) KEYS: Three (3) complete sets of keys to include two (2) remote entry key fobs 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 key sets, programmable keys, keys with remote fobs, etc.)

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.

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.**

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)**



Remainder of Page Intentionally Left Blank

CC-5: CAB / CHASSIS 22,000 GVWR (DIESEL)

EQUIPMENT: The 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.

AUXILIARY POWER CONNECTION: (Standard State Specification)

BBC: 96-113 inches

BRAKES: Power-assisted hydraulic with a back-up or reserve system. A vacuum assisted system shall have a reserve tank; a pressurized fluid assisted system shall have a back-up pump. Any system furnished shall provide for the stopping of the vehicle without loss of power assisted brakes despite engine failure. Brakes shall be suitable for a vehicle with 22,000 lb. GVWR. If air brakes required, brake system air tanks will be mounted to allow adequate clearance above frame rails for truck body installation and provide adequate clearance for PTO drive shafts. Full anti-lock brake (ABS) system.

CAB OAH: 88-104 inches

CAB TO AXLE: 84"

CAPACITY: GVWR shall not be less than 22,000 lb. Optional equipment shall be available with an increased GVWR up to 24,500 lb., and with an increased CA up to 138 inches.

COLOR: Standard Factory Colors

CURB WEIGHT: Minimum of 5,800 lb. (as bid).

DESCRIPTION: The truck shall be a medium-duty, conventional cab unit with forward tilting hood suitable for use as a dump truck, as well as other applications.

ENGINE: The truck engine (diesel) shall be a Cummins 6.7 Liter ISB, or Duramax 7.8 Liter rated at not less than 220 SAE gross horsepower and minimum 600 ft. lbs. torque. The air filter shall be a heavy-duty dry-type with restriction indicator, and with complete ducting for fresh air intake, with Donaldson the preferred manufacturer. The engine shall be complete with heavy-duty oil filter, heavy duty fuel filter/water separator governor, muffler, horizontal exhaust system, and heavy-duty (maximum) cooling system. The cooling system shall be filled with a 50-50 mixture of water and permanent type antifreeze. The alternator shall be rated at not less than 130 amps. The engine exhaust system will provide adequate clearance for PTO assembly and/or drive shafts.

FRAME: Frame side members shall have dimensions not less than the following: depth 9.06", width 3.00", thickness 0.25", and RBM of not less than 900,000.

FRONT AXLE: Minimum 7,000 Lb. The suspension system and springs shall be of adequate capacity to maintain the GVWR and GAWR.

CC-5: CAB / CHASSIS 22,000 GVWR (DIESEL)

FUEL TANK: Minimum 45 gallon capacity, step type.

INTERIOR: Vinyl

PILOT MODEL: When 3 or more units are ordered by a governmental entity on a single purchase order, the contractor shall:

1. Make an offer to the ordering entity to produce a pilot model for inspection prior to full production. The pilot process is limited to once per model year for each governmental entity. If the contract spans more than 1 model year, the pilot offer is to be extended once for each model year to each governmental entity submitting an order for 3 or more units.
2. If a pilot is produced, pay the round trip travel cost for 2 of the ordering entity's personnel (includes transportation, meals, and lodging) to the factory/assembly plant for the purpose of completing the inspection.
3. If a pilot is produced, coordinate the pilot process with the ordering entity. The pilot process and subsequent production of units is to be completed within the days ARO offered and awarded.

NOTE: The intent of producing a pilot is to avoid unnecessary expense and delays in the successful production and delivery of acceptable units. Both the contractor and ordering entity are expending significant resources and should view the pilot process as an opportunity to safeguard their investments. While the contractor is not required to offer the production of a pilot for orders of less than 3 units, the State encourages both the contractor and ordering entity to consider use of a pilot process. The cost avoidance associated with discovering and resolving problems early in the process at the manufacturing facility can easily outweigh the travel and coordination costs.

RADIO NOISE SUPPRESSION: (Standard State Specification)

REAR AXLE: Eaton, Meritor or Spicer heavy duty, single-speed, single axle type having a maximum load rating of not less than 17,500 pounds. The gear ratio shall be approximately 5.38-1. The suspension system and springs shall be of adequate capacity to maintain the GVWR and GAWR. Auxiliary rear springs rated at 2,250 lb. per side shall be furnished.

STEERING: Power Assist.

TRANSMISSION: The transmission shall be an Allison Model 2500 RDS, 6-speed automatic, with standard six (6) bolt SAE PTO opening on left and right side.

TIRES: Front - 9R-22.5, load range F, regular tread, radial, tubeless, Goodyear G159 or equal. Rear - 9R-22.5, load range F, traction tread, radial, tubeless, Goodyear G124 or equal. Larger size tires are acceptable.

WHEEL: Disc type, steel, tubeless, 10-hole, 285.75 mm bolt circle, 220 mm bore, 22 mm studs, 15 degree rim, hub pilot, heavy-duty, 22.5" x 7.50" x 5/16", 6.50" off-set (nom.) max. load rating not less than 6,040 lb., color - white, interchangeable at all positions on the vehicle.

WHEELBASE: Minimum 125"

CC-5: CAB / CHASSIS 22,000 GVWR (DIESEL)

FACTORY INSTALLED ITEMS

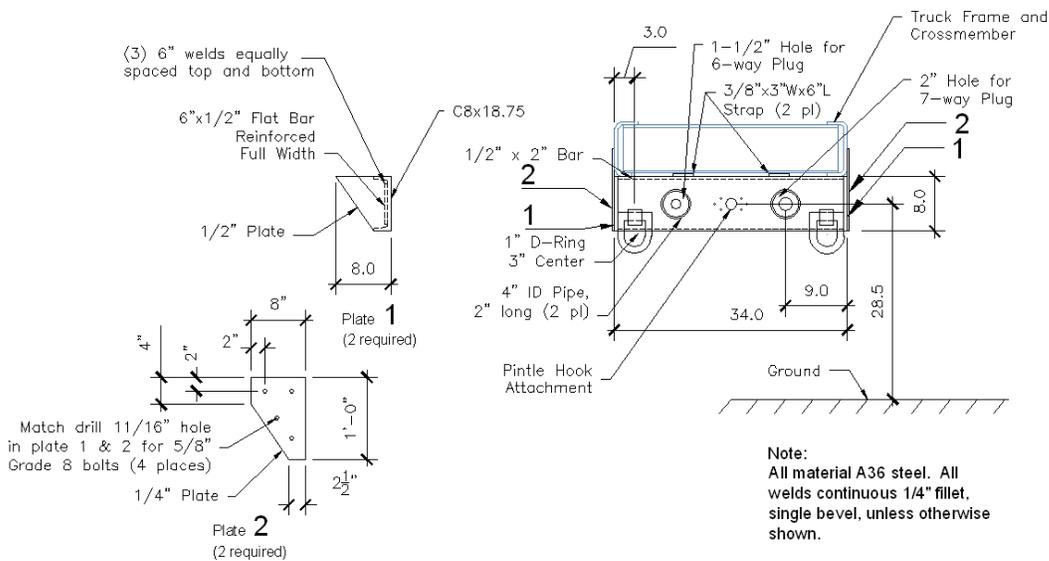
The following options shall be furnished in addition to, or in place of, the regular standard equipment and will be “Factory Installed”, unless otherwise specified:

1. Air-Conditioning
2. AM/FM Radio
3. Auxiliary Power Connection (Standard State Specification)
4. Auxiliary Power Outlet (Standard State Specification)
5. Back-up alarm (107 db with ID label) (May be dealer installed)
6. Batteries, heavy-duty, 2 each Group 31, 625 CCA min., mounted in an enclosed box or under hood.
7. Door Locks, Power, Driver and Passenger
8. Dual, 2-speed windshield wipers.
9. Dual sun visors.
10. Entry assist handles, left and right.
11. Fender mounted turn signals, amber front, red rear.
12. Heavy-Duty, full width front bumper
13. Horn, dual electric
14. Lap safety belts for all positions & shoulder safety belts at outside positions
15. Mud flaps, front only, black.
16. Power Windows, Driver and Passenger
17. Radio Noise Suppression (Standard State Specification)
18. Rectangular West Coast 7” x 16” Breakaway Power Mirrors and Convex Mirrors, Black, Driver and Passenger

CC-5: CAB / CHASSIS 22,000 GVWR (DIESEL)

19. Speedometer (electric), tachometer, oil pressure gauge, ammeter/voltmeter, fuel gauge, water temperature gauge.
20. Split bench seat designed to seat three (3) passengers. Headrests or high backs at outside positions.

PINTLE HOOK: A heavy-duty, 25 ton capacity, suitable for 2 3/8" to 3" pintle eye dimensions. The pintle hook shall be a spring-cushioned, swiveling hook with plunger type latch utilizing a spring-loaded lock pin and mounted below the truck frame, to the rear of the spring shackles. The pintle hook shall be mounted on a 8" structural channel steel that is 18.75 lbs. per ft. Channel entire width shall be reinforced with 6" x 1/2" flat bar backing and each end with 1/2" x 8" x 8" steel plates (minimum). The cross-member shall extend across the entire width of the truck frame. The pintle hook centerline shall be 28-29" from ground level on the truck cab-chassis. See drawing below.



Two (2) heavy-duty, 1" thick safety chain lashing rings, minimum 46,760 lbs. ultimate breaking strength each, Buyers Products B50 or equal, shall be attached to the pintle hook cross-member by two (2), minimum 1/2" x 2" flat bar steel straps seam welded inside of the lashing ring. The brackets or shackles shall accept both 3/8" and 1/2" grab hooks.

A trailer electrical connector bracket shall be attached by welding to the top left side of the pintle hook cross-member. The bracket shall be constructed of 1/4" angle steel.

The pintle hook cross member shall be welded to the truck frame and shall have a 1/4" steel plate mounted on both ends of the cross member to attach to the frame. The steel plates shall be attached using (4) 5/8" Grade 8 bolts per plate, (2) bolts joining each plate to the cross member and (2) bolts joining each plate to the frame. See drawing above.

The installation shall not interfere with dump body installation or operation. The pintle hook mounting method shall be approved by the South Carolina Department of Transportation on a pilot model prior to installation on the remaining trucks.

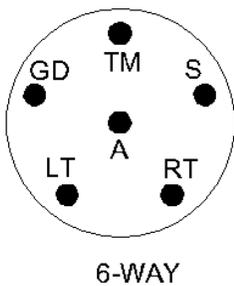
CC-5: CAB / CHASSIS 22,000 GVWR (DIESEL)

All welding shall be performed by skilled fabricators possessing a valid American Welding Society (AWS) or American Society of Mechanical Engineers (ASME) structural welding certification. Proof of certification (per individual fabricator) shall be provided prior to award of contract – (may be included w/ bid submittal but must be received no later than five business days after Intent to Award notice is posted – sent to ATTN: Allen Register @ MMO-PO Box 101103, Columbia, SC 29211).

All hardware used in the above installation shall be Grade 8, plated.

TRAILER ELECTRICAL CONNECTOR: ****NOTE**** If purchaser is NOT using a state contract holder to install the body, the purchaser **MUST** coordinate with the upfitter for the redesigned pintle hook installation***

The truck shall be equipped with a standard 6-way receptacle connector, equal to and interchangeable with a Velvac 055052 assembly or equal, mounted in the pintle hook cross-member, and wired utilizing a heavy-duty, jacketed, multiconductor cable. The receptacle shall be connected to the truck wiring system in accordance with the following drawing:



Letter Code	Trailer Color Code
GD - Brake Wire Ground	WHITE
TM - Tail & Marker Lamp	BLACK
S - Stop Lamp	RED
RT - Right Dir. Signal	GREEN
LT - Left Dir. Signal	YELLOW
A - Live Brake Wire	BROWN

Pilot model to be approved prior to subsequent installations.

NON-SKID STEPS: Provide non-skid surface on step treads by application of 3M No-Skid Coating No. EC1420, black, or by another acceptable non-skid surface (standard cleated steps are acceptable) that is factory installed.

ELECTRIC TRAILER BRAKE CONTROLLER (STANDARD): A hand-controlled and automatic solid state electronic trailer brake controller actuator with digital readout, Pilot Model 80550 or equal shall be installed in the truck, and wired through the trailer electrical connector to operate electric brakes on trailers up to 3 axles in a manner proportional to the braking effort exerted and intended by the driver.

Where options are approved for dealer installation (fuel filter, trailer electrical connector, pintle hook, non-skip steps, and trailer brake controller), the inspection of these options may be delayed until after the pilot model truck is delivered to the dealer.

MAINTENANCE: All replaceable filter elements for air, fuel, hydraulics, and engine oil shall be available from at least one of the following U.S. manufacturers: AC, Wix, Donaldson, or Baldwin. Replacement tires and tubes shall be available from at least one of the following U.S. manufacturers: Goodyear, Firestone or General. Replacement or replenishment lubricants required throughout the unit (engine oil, transmission fluid, hydraulic fluid, gear oil, brake fluid, power steering fluid, and grease)

CC-5: CAB / CHASSIS 22,000 GVWR (DIESEL)

shall be available from at least one of the following major manufacturers: Shell, Exxon, Texaco, or Citgo. Details concerning the manufacturer and items name or part number for the above maintenance items shall be provided wherever requested on the bid questionnaire.

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. C/A 102" – Increase CA to 102"
3. C/A 120" – Increase CA to 120"
4. C/A 138" – Increase CA to 138"
5. Full Air Brakes
6. ~~Larger Diesel Engine~~
7. Operator's Manual
8. Operator Training
9. Repair Technician Training
10. Shop Manual (For all components – CD or DVD Preferred)

DEDUCTS:

1. Auxiliary Power Connection (Standard State Specification)
2. Auxiliary Rear Springs
3. ~~Eaton FS4005B or Spicer ES 43-5, 5 Speed Manual w/Std 6 Bolt PTO Opening on Right Side and w/13" Single Plate Clutch.~~
4. Pintle Hook Assembly

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