

INVITATION FOR BID
FOR
Knuckleboom Loader and Trash Body

BID NUMBER: 18-28-KMB

910-027
065-030



MACON-BIBB COUNTY, GEORGIA

ISSUED: December 19, 2017

BIDS DUE NO LATER THAN 12:00 NOON ON THURSDAY, January 18, 2018

Macon-Bibb County Procurement Department
(Attn: Kimberly Bradley)
700 Poplar Street
Suite 308
Macon, Georgia 31201

I. GENERAL

A. Invitation

1. Notice is hereby given that Macon-Bibb County will receive sealed bids in the Procurement Department, Macon-Bibb County Procurement Department, 700 Poplar Street, Suite 308, Macon, Georgia 31201, until **12:00 noon on Thursday, January 18, 2018 – “Knuckleboom Loader and Trash Body” for Solid Waste**, for the Macon-Bibb County Government.

NO BIDS WILL BE ACCEPTED AFTER THE ABOVE TIME.

2. Bids will be publicly opened and read in the Procurement Department conference Room on January 18, 2018 starting at 2:00 p.m.
3. Minority, Women Owned and other Disadvantaged Business Enterprises are encouraged to participate in the solicitation process. Additionally, respondents are encouraged to use M/W/DBE subcontractors where possible. Small and other disadvantaged businesses requiring assistance with the competitive process can contact Dr. James Louis Bumpus, Director of Small Business Affairs at (478) 951-2192 or jbumpus@maconbibb.us.

B. Bid Documents

4. Bid documents will be made available at the Macon-Bibb County Procurement Department, 700 Poplar Street. Suite 308, Macon, GA 31201, (478) 803-0550 or www.maconbibb.us/purchasing/ under active solicitations.

Georgia Procurement Registry website

http://ssl.doas.state.ga.us/PRSapp/PR_custom_index.jsp?agency=61100

Macon-Bibb County Procurement Page www.maconbibb.us/purchasing

C. Sealed Bids

SEALED Bids shall be delivered or mailed to:

Macon-Bibb County Procurement Department
(Attn: Kimberly Bradley)
700 Poplar Street
Suite 308
Macon, Georgia 31201
478-803-0554
kbradley@maconbibb.us

Mark the outside of the envelope “Bid # 18-028-KMB –Knuckleboom Loader and Trash Body”

D. Forms

1. The enclosed Macon-Bibb County bid form shall be used. Use of other bid documents may deem the bid to be non-responsive.

E. Validity

1. No bid may be withdrawn for a period of sixty (60) days after time has been called on date of bid opening.
2. All prices shall be Delivered prices, FOB Destination, after deducting all non-applicable taxes, delivered to each requesting department or office. Vehicles shall be ready to use.

F. Forms

1. The enclosed Macon-Bibb County bid form shall be used; use of other documents may deem the bid non-responsive. Additionally all submission documents must be completed and included with the bid; failure to include completed, signed, and notarized forms (as applicable) may deem the bid non-responsive.

G. Local Preference

1. Macon-Bibb County reserves the right to award bids to County businesses and merchants whose bid is within 5% (five percent) of the lowest responsive and responsible bid which conforms to the Invitation to Bid.

H. Submittals

1. In order for bids to be considered, the complete bid document package shall be submitted including each of the following completed **Required Submission Documents** as Attachment "A".

- a) Bid Form
- b) Bidder Information Form
- c) Bidder's Qualification Form
- d) List of Sub-Contractors
- e) Bidder Minority Participation Goal
- f) Financial & Legal Stability Statement
- g) Insurability Statement
- h) E-Verify Affidavit
- i) Title VI – Non-Discrimination Notice

I. Reservations

1. Macon-Bibb County reserves full freedom (in addition to the right to reject any and all bids) in awarding bids to consider all available factors including, but not limited to, price, the provision of needed and unneeded features, usefulness to the using department and prior Macon-Bibb County experience. Hence, Macon-Bibb County may award bids to other than the lowest bidder if in the judgment of the Board of Commissioners the interest of the County will be best served by award to another. Any required information not submitted with bids shall deem bid non-responsive.

2. Unless otherwise specified, manufacturer's names, trade names, brand names, information and/or catalog numbers listed herein are intended only to identify the quality level desired. They are not intended to limit competition. The bidder may offer any equivalent product that meets or exceeds the specification. If bids are based on equivalent products, the bidder shall indicate on the bid form the alternate manufacturer's name and catalog number and shall include complete descriptive literature and/or specifications along with proof that the proposed equivalent either meets or exceeds this specification. The County reserves the right to be the sole judge of what is equal and acceptable. If bidder fails to name a substitute, he shall furnish goods identical to the bid specifications.

Specifications & Requirements

PEDESTAL & BOOM & CONTROLS	COMPLY	EXCEPTION
Boom length to be 16ft fixed and 4ft tip boom extension		
Minimum lift capacity to be 3.300 lbs. at 18ft including grapple		
Boom pedestal to be constructed of high strength steel, providing a 3:1 safety factor.		
All hydraulic hoses located at the operator position (boom pedestal) must be enclosed in the pedestal base. Access provided by an easily removeable steel cover		
Boom pivot shall be mounted to the pedestal by means of a slewing ring/bearing that has a minimum capacity of 513,000 lbs. static load and 186,000ftlbs. moment. Slewing ring shall be 3 1/2" thick and have an O.D. of 25 3/4". Boom pivot shall be constructed with a 9" O.D. safety retaining tube. The boom pivot safety retaining tube shall be a minimum of 12" long and confine all hoses which pass through the pedestal/boom pivot assembly		
Boom rotation of 270 degrees minimum with mechanical stops for safety. Stops must be welded to ensure nonmovement. Pedestal stop must have a minimum of three (3) square inches and have a nylon contact with pivot stops and a minimum width of five (5) inches.		
Boom rotation shall be accomplished by a direct hydraulic swing drive through a slewing (bearing) rings & planetary gearbox capable of producing 250,000 inch-pounds torque minimum		
Entire boom assembly shall be designed with a tensile strength to provide a safety factor of 3 to 1 at the rated load capacity		
Main boom shall be constructed of (2) 4"x8" high strength steel tubing		
Tip boom shall be constructed from a 5"x7" high strength steel tube		
Tip boom shall have a 4-foot telescopic extension tip section constructed from 4"x6" high strength steel tube		
Main boom shall be equipped with mechanical stops to prohibit hydraulic cylinders from bottoming out. Extend boom stops must be easily accessible and removeable for service.		

Boom pedestal to be mounted directly to the chassis frame rails. Mounting must include inside frame rail supports at the mounting points.		
The entire boom must be serviceable down to the component level, E.G., every hydraulic hose, fluid tubes, bracket, pin, etc. having to replace subassemblies in order to repair a component will not be acceptable		
Telescopic tip extension shall be equipped with replaceable nylon bearings on all 3 sides with roller on bottom. Bearings must be easily accessible for replacement and have "auto-hose-slack" take-up		
All boom connections requiring pins shall be equipped with replaceable bushings and heat-treated pins		
All operating functions shall be hydraulically controlled from the operator station located both on the left and right-hand side of the loader. Each station shall have an adjustable (up/down) boat style seat mounted to the platform		
Two stage tandem pump allows for multiple function control of the loader		
Boom functions controlled by means of hydraulic joysticks located on both sides of the loader (two per side, three functions per joy stick)		
A safety feature shall be provided to allow only one side of controls to function at a time. Joy sticks shall function only from one side at a time.		
Joy sticks shall not require any lubrication thereby eliminating any frequent maintenance		
Outriggers controlled by individual levers located conveniently in the center of the operator's platform. Body dumping is controlled by a single lever at the center of the operator's platform separate from any other control. Proper enclosures shall be provided to protect operator from hydraulic fluid and components. All controls shall be clearly identified as to function.		
Main boom and tip boom cylinders must incorporate integral holding valves. Externally mounted holding valves are not acceptable.		

Trash Grapple/Bucket	COMPLY	EXCEPTION
Bucket shall have a 360-degree continuous rotating grapple with a replaceable hydraulic swivel. Swivel shall not be welded or be an integral part of the grapple		
Bucket is to be opened and closed by (2) hydraulic cylinders with a closing force "bite" of 3,600 lbs.		
Bucket is to be 4' long and capable of opening to 60 inches from lip to lip		
Bucket shall be fabricated with a bolt on replaceable H.S.H.C. steel cutting edge		
Bucket cylinders and hoses shall be enclosed by a removeable steel cover		

HYDRAULICS	COMPLY	EXCEPTION
Reservoir shall be a minimum of 45 gallons. It shall have a dual level/oil temperature gauge on side of tank. An in-tank suction strainer is included		
Filter shall be a 10-micron, return line replacement filter mounted on outside of reservoir		

Cut-off valves are to be provided for both pressure and suction. Valves will not be permissible		
All hoses shall be rated at 4,000-PSI working pressure		
Port tubing through the main boom shall be stainless steel tube		
Control valves shall have a 20 GPM rating		

POWER SOURCE	COMPLY	EXCEPTION
Unit to be mounted on any chassis that meets the manufactures recommended specification with a heavy-duty clutch style (hot shift) PTO and a heavy-duty bi-rotational tandem hydraulic pump		

THROTTLE CONTROL	COMPLY	EXCEPTION
Unit to have an electric operated throttle control to maintain proper engine speed when loader is operated under load. Switch for throttle control to be mounter on operator's platform for operator's convenience		
Throttle speed-up shall operate only when the transmission in the neutral position		

OUTRIGGERS	COMPLY	EXCEPTION
Outriggers shall be extendable to a distance that will resist loads of 85% of the tipping moment under maximum rated load. Include strobes on top of each outrigger post		
The outriggers are to be equipped with smooth pads to cause minimum damage to contacted surface		
Outriggers shall telescope horizontally in and out; and vertically up and down and operate independently by means of individual controls		
Outrigger cylinders for stabilizing loader shall be mounted inside telescoping legs		
Outriggers shall retract to within the maximum highway width and will extend to a maximum width to resist the design load moment		
Outrigger cylinders shall contain holding valves on extend and retract functions to prevent outrigger leak down		

LIGHTS AND REFLECTORS	COMPLY	EXCEPTION
Shall conform to current state and federal standards. Include cab mounted strobe light		

PAINT	COMPLY	EXCEPTION
Loader shall receive (1) coat of high-grade primer and (2) coats of high-grade enamel paint (orange)		

WARRENTY	COMPLY	EXCEPTION
Bidder must provide all warranties required below. Failure to provide such warranties may result in your bid being deemed non-responsive		
Entire unit to have a 1-year parts and labor warranty, a 2-year warranty on gear box and slewing ring, and a 3-year structural warranty. 3 year all		

cylinder warranty		
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DELIVERY	COMPLY	EXCEPTION
Indicate number of days the product shall be delivered after the receipt of chassis at manufacture's facility		

TRASH BODY	COMPLY	EXCEPTION
26 cubic yard capacity		
19-foot body length		
Body shall be mounted with a minimum space of 60 inches between the cab and the front of the body		
Body floor shall be made of ¼ sheet steel. A 3/16" formed channel shall create a bumper on both sides of the floor		
Body walls to be constructed with 10-gauge sheet steel. Wall stiffeners to be a minimum of 11 gauge formed channels placed on approximately 24-inch centers		
Body walls shall have a top rail made of 3"x4"x1/4" rectangle tubing		
Wall stiffeners will be welded to top rail and stiffeners will be welded to the wall sheet.		
Front body wall to be 42 inches high with side body walls transitioning from 42 inches high to 60 inches high 8ft. from body front		
Body full length main structural channel sills to be 8 inch @ 11.50 lbs. per ft. cross sills to be 4 inch @ 5.4 lbs. per ft. structural channel. Cross sills to be placed on 12-inch centers		
Body shall have (1) roll-off container type rear door 60 inches high to swing completely around to the curb side wall with air actuated locking system to positively lock with safety pin. Shall have 3 hinges with single hinge pin.		
Door shall be hinged with (1) inch hinge pins. Hinges must be welded to body and door and must contain easily accessible grease fittings. Door latch will secure both doors at the top and bottom.		
Rear door shall be fabricated from 10-gauge steel with a circumferential frame of 4-inch structural channel		

BODY HOIST	COMPLY	EXCEPTION
The hoist system shall be two 5" bore, two stage telescopic hydraulic cylinders rated @ 2,500 PSI working pressure mounted to provide a 45-degree dump angle. Left and right hoist cylinders must be mounted outboard of the chassis frame		
Minimum hoist rated capacity: 15 tons		

LIGHTS AND REFLECTORS	COMPLY	EXCEPTION
All lighting to be DOT standards and shall conform to current state and federal standards		
Reflective safety tape shall be on both sides and on rear of body. Include LED strobes in corner posts		

PAINT	COMPLY	EXCEPTION
Body exterior shall receive (1) coat of high-grade primer and (2) coats of high-grade standard enamel paint (orange)		

Body interior shall receive (1) coat of high-grade primer and (2) coats of high-grade standard enamel paint (orange)		
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SAFETY REAR BUMPER	COMPLY	EXCEPTION
Body shall have a rear safety bumper		

BODY SAFETY PROP	COMPLY	EXCEPTION
Two (2) body safety props shall be installed one on each side of the chassis frame rails		

WARRANTY	COMPLY	EXCEPTION
Bidder must provide all warranties required below. Failure to provide such warranties may result in your bid being deemed non-responsive		
Entire unit to have a one-year parts and labor warranty and a 3-year structural warranty		

Chassis Specifications	COMPLY	EXCEPTION
Electric Door locks LH/RH; Ignition & doors keyed alike; Single electric horn; Single-piece windshield; Electric windshield wipers, 2-speed plus intermittent; Electric windshield washers; Steering wheel 18in. 4-spoke; Glovebox door with locking latch; Dash-mounted cruise control with switches; Turn signal switch with column-mounted dimmer; Standard dash panels include gray w/ burl wood accents; Slate Gray interior primary color; Dark Slate Gray seat color; Floormat; Inside sun visor, LH/RH; Door courtesy lights; Under-dash center console with 1 cup holder, 1 ashtray & 1 lighter.		
CARB Idle Emissions Reduction Feature		
Vehicles equipped with cranes, man-lifts, hoists, cherry-pickers, bridge inspection units, etc. Road usage: any combination, w/minimum 5% Class B.		
Medium-duty 4x2 automatic		

Engine & Equipment	COMPLY	EXCEPTION
Includes turbo exhaust brake, no code is used. Diagnostic Plug for data link, Oil Cooler, Aluminum Flywheel Housing		
Standard Maximum Speed Limit [LSL]		
Hard Maximum Speed Limit		
Maximum Accelerator Pedal Vehicle Speed		
Accelerator Lower Droop		
Maximum Cruise Speed		
Cruise Control Lower Droop		
Reserve Speed Function Reset Distance		
Maximum Cycle Distance		
Maximum Active Distance		
Reserve Speed Limit Offset		

Engine Protection Shutdown		
Gear Down Protection		
Max PTO Speed		
Cruise Control Auto Resume		
Auto Engine Brake in Cruise		
Expiration Distance		
Enable Idle Shutdown Park Brake Set		
Timer Setting		
Enable Impending Shutdown Warning		
Timer for Impending Shutdown Warning		
Engine Load Threshold		
Idle Shutdown Manual Override		
Enable Hot Ambient Automatic Override		
Low Ambient Temperature Threshold		
Intermediate Ambient Temperature Threshold		
High Ambient Temperature Threshold		
Engine Idle Shutdown Timer after 15 minutes		
Air Compressor: Manufacturers Recommendation		
Air Cleaner: Dry-type firewall mounted/ filter restriction indicator		
Fan Hub: Manufacturers Recommendation		
EXH:2017 EPA Horizontal under rail DPF/SCR for horizontal tailpipe below RH rail, back of cab		
Cooling module: 1000 square inches		
Fuel filter: Manufacturers Recommendation Fuel Water Separator		
Block Heater: watt 120V		
Alternator: 160 amp, brush type		
Batteries: 2 GP31 threaded post (1000) 2000 CCA starting		
Starter: 12 volt electrical system. W/ centralized power distribution incorporating plug-in style relays. Circuit protection for serviceability, 12-volt light system w/circuit protection circuits number & color coded		
Battery disconnect switches 2, mounted on battery box		
Jump start terminals under hood		
Body Builder Connector 500mm Back of Cab as required		

Transmission & Clutch	COMPLY	EXCEPTION
Transmission: Allison 3500RDS 6-speed w/PTO drive gear. 5th Gen Controls. Limited to 860 lb.-ft. Includes heat exchanger & oil level sensor. Rugged Duty Series for vocational applications. Transynd transmission fluid is standard Allison		
Driveline: 2 standard-duty; 2 center bearing *STD duty is 1710 series		

Two bolted center bearing crossmembers		
Torque converter included w/ Allison Transmission		
Park Brake Auto Neutral		
Rear transmission support springs for transmission PTO applications are required to ensure that engine flywheel housings are not overloaded when transmission PTO's are installed		

Front Axle & Equipment	COMPLY	EXCEPTION
Front brakes included w/ front hub package.		
Front dust shield: for drum brakes: all front axles		
Drum Brake Knuckle: Steer axle		
Air Brake: 14,600 lb. package includes- 16-1/2 x 5 brakes, cast drums, aluminum 10-bolt hub pilot LMS hubs, hubcaps, oil seals & automatic slack adjusters. For use w/ 22-1/2in wheels		
Front springs: w/ shock absorber for use on 2010+ chassis w/ 22.5 in wheels only		
Single power steering gear: 13.2K for air brakes		
Front Axle Load: 12,000 lbs		

Rear Axle & Equipment	COMPLY	EXCEPTION
Rear Axle Ratio-5.63		
Single rear brakes included w/rear hub package		
F23K air brake package includes 16-1/2 x 7 in brakes, cast drums, aluminum 10-bolt hub pilot LMS hubs, automatic slack adjusters and oil seals for use w/ 22.5 in wheels		
Spring Brake: long stroke single 3 in travel replace standard 2-1/2 in travel.		
Dust shields for drum brakes: all rear axles		
Anti-lock brake system		
Controlled differential lock for single rear axle		
Rear axle stabilizer bar		
Rear suspension: Medium-duty. Unladen Height: 9 in Laden height; 7.3 in Not rear air disc brake compatible		
Bolted rear suspension crossmembers		
Rear Axle Load: 23,000 lbs		
G.C.W.: 35,000 lbs		

Tires & Wheels	COMPLY	EXCEPTION
Front tires: 41.5 in diameter, all position. F-side wall protector bar. 19.3 in SLR		
Rear tires: 41.8 in diameter, drive. 19.5 in SLR.		
Rear tire quantity: 4		
Front wheel: Steel Armor powder coat, hub pilot mount. Heavy-duty 5		

hand-hole hub pilot mount		
Rear wheel: Steel Armor powder coat, hub pilot mount. Heavy-duty 5 hand-hole hub pilot mount.		
Powder coat white steel wheel. Use in conjunction with front, dual front, rear, spare, or lift axle wheel codes. All wheels on chassis must have same finish color.		
Rear wheel/rim Quantity: 4		

Frame & Equipment	COMPLY	EXCEPTION
Frame rails: 10-3/4 x 3-1/2 x 3/8 in Steel 337in to 416 in. Truck frame weight is 3.48 lb.-in. per pair of rails. Section modulus is 17.80, RBM is 2,132,000 in-lbs per rail. Frame rail availability may be restricted based upon application, axle/suspension capacity, fifth wheel setting, or component/dimensional specifications.		
Full Steel Insert for 10-5/8 in or 10-3/4 in main rail. Insert length is >348 - 480 in. Adds 1,149,000 in-lb to main rail RBM. Insert weight is 2.05 lb.-in. per pair of rails. Insert length is equal to wheelbase plus rear frame cutoff plus 20.7 in. forward of front axle		
Bumper: Aerodynamic, Painted. Requires a bumper setting code.		
40.9 in Bumper setting. Requires a bumper code		
Removable Front Tow Hooks: 2		
Front & Rear mud flaps		
Battery Box location: LH side		
Steel toolbox: Under cab, aluminum diamond plate cover w/step, w/o lock		
Toolbox location: RH side		
Bolted crossmembers with 12mm frame fasteners. For center and rear frame		
Bolted Rear Cab Support Crossmembers. Replaces T3 standard		
Square end-of-frame w/o crossmember; non-towing		

Fuel Tank & Equip	COMPLY	EXCEPTION
Small round DEF tank. 11 gallons of useable volume. The DEF tank will be located on the side you specified. If you have specific configuration or body builder concerns, please utilize the Custom Frame Layout option. Standard capacity is calculated by fuel capacity of the vehicle and will accommodate two diesel fill-ups for every DEF fill-up. For 1:1 DEF fuel fill ratio, add 7889204.		
Standard DEF to fuel fill ratio: 2:1 or greater DEF tank location is on the LH		
Location: 56-gal fuel tank LH under cab		
DEF tank location is on the LH		

Cab & Equipment	COMPLY	EXCEPTION
Cab: Curved Glass Conventional. Cab Includes aluminum & fiberglass fully hucked cab w/ all aluminum bulkhead doors & continuous stainless-steel piano-style door hinges. Single electric horn standard. Incandescent exterior lights include diagnosable bulb detection and warning. Trailer cable on tractors includes integrity detection. Standard features include multiplex wiring for interior lights, automated pre-trip inspection, short and open check diagnostics.		

Warning alarm will sound when lights are left on.		
Cab Heater: W/integral defrosters & A/C 45,000 btu cab heater. No sleeper heater/AC. Includes 5 mode rotary control		
Adjustable telescoping tilt steering column		
5 sets of keys. Replaces standard 2 sets of keys. All chassis keyed alike		
Information for customer-installed PTO Chelsea 277. 10-bolt. Available only with Allison 3000/4000 series transmissions		
Switch and wiring for Customer-Installed PTO. Electric over hydraulic PTO. Includes switch guard. Wiring is routed to LH frame for connection to the customer installed PTO. No air controls are provided with this code		
Three spare switches: Wired to power		
Gauge: Dash mounted air filter restriction gauge		
Gauge: Oil Temperature Gauge Transmission. The NavPlus HD unit includes a virtual transmission oil temperature gauge		
Driver Information Center: Includes fuel economy, RPM display, trip information, truck information, diagnostics, gear display, alarm clock.		
Instrument package: Includes speedometer, tachometer, fuel gauge, engine coolant temperature gauge, engine oil pressure, voltmeter. Class 8 also includes primary & secondary air reservoir gauges & an air application gauge. DEF level gauge and warning lamp are included with 2010+ engines. Engine hour meter and outside air temperature readouts are standard. Primary read out will be MPH.		
Cab interior: Pinnacle. Includes vinyl headliner & cab back panel, slate gray interior, dark slate gray seats, floormats, LH/RH inside sun visor & door courtesy lights.		
Driver Seat: Air cushion Plus IB vinyl. Standard features includes 7 in. fore and aft slide adjustment w/isolator, 6-23 degree recline, air suspension with cover, dual armrests, and single chamber air lumbar support. Seat cushion is 20 inches wide w/ 2-position tilt and 2-position front cushion extension. Seat material has a horizontal stitch pattern and is 2-tone in color. Seat back is carpeted. Seat is manufactured by National. Includes inside visor and retractable 3-point matching seat belts. Grey seat belts.		
Passenger seat stationary with locking toolbox under		
Driver and Rider Seat Belts: Orange Seat Belts. Replacing standard color.		
Radio with AM/FM/WB/USB and Bluetooth		
Under-dash center console: W/2 cup holders, 1 ashtray, 1 lighter, 1 12V outlet & a storage compartment		
Self-canceling turn signal: W/ head light dimmer switch		
Cab access contoured grab handles, LH/RH		
Daylight Door: LH/RH Incl RH Peeper Window		
Single air horn under cab		
Look-down. Pass. Door, Stainless 8.5 x 4.4		
Mirror: Dual heated motorized 7 in. x 13 in. mirrors. Mirror shell painted cab color, mirror arms black. LH/RH convex mirrors 5 in. x 7 in. heated.		

Mirror brackets set for 8-1/2 ft load width. Switch located on door pad. Cowl mounted mirrors Left & Right		
Manual LH & electric-powered RH door window. Switch located on door.		
Two corner & one rear cab stationary windows 17.5 in x 16 in (two) & 17in x 36 in (one)		

Lights & Instruments	COMPLY	EXCEPTION
Headlamps: Halogen Projector Low Beam, Halogen Complex Reflector High Beam		
Marker Lights: Five, rectangular, LED		
Turn Signals Lights: Mounted on fender		
Combination Stop, Tail, Turn & Backup Lights RH & LH		
Reflectors: Two Midframe		
Electric Backup Alarm: Meets SAE J994 & OSHA requirements		
Circuit Breakers: Replacing fuses. Dose not apply to any 5-amp fuse box position. Breakers include stop/brake/turn, tail lamp, high & low beams, marker/clearance lamps, horn, fuel heat, gauges, air dryer, HVAC controls, panel lamps. Some circuits will remain fuses.		

Air Equipment	COMPLY	EXCEPTION
Air dryer: Bendix AD-SP heated. With 2010 engine installations the dryer is mounted under the hood		

Miscellaneous	COMPLY	EXCEPTION
Cumming-insight software- 5yr. Subscription		
GHG Secondary Manufacturer: Does Not Apply		
Additional lead time required for off highway &/or specialty component truck		
Warning triangle reflector kit: Floor mounted parallel to back wall between seats. Kit consists of 3 triangles in plastic carrying case. For day cab only.		
One 5lb dry chemical type fire extinguisher mounted outboard of driver seat. Class ABC		
PACCAR- Davey software or equivalent		
800mHz Radio- Motorola XPR 5000 series. Installed with all needed accessories. MBC will program		

Paint	COMPLY	EXCEPTION
Frame- Painted Black		
Bumper- Painted Black		
Day Cab- Painted White		
1- Color Paint- Day Cab		
Base coat/clear coat. Dupont Imron Elite paint		
Warranty	COMPLY	EXCEPTION

Warranty; 2-year/unlimited mi. Base Chassis		
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Option- Extended Warranty Engine & After treatment 5 yr. or 250,000 miles

Chassis Total

I certify that my bid meets these minimum specifications. This bid shall be valid and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving bids.

**PRICE FOR
Knuckleboom Loader with Trash Body Specifications**

\$ _____

Delivery will be within _____ weeks after receipt of order.

Respectfully Submitted,

Authorized Signature: _____ Date: _____

Typed Name: _____ Title: _____