

REQUEST FOR PROPOSAL

THE CITY OF METTER IS ISSUING THIS REQUEST FOR PROPOSAL (RFP) FOR THE PURPOSE OF SOLICITING BIDS FOR A 2018 MODEL 33,000 GVWR SINGLE AXLE TRUCK CHASSIS WITH A MOUNTED KNUCKLEBOOM TRASH LOADER.

BIDS ARE DUE BY FEBRUARY 15, 2019 AT 4:30 P.M. AT METTER CITY HALL, LOCATED AT 49 S ROUNTREE STREET, METTER, GEORGIA. ALL BIDS SHOULD BE IN A SEALED ENVELOPE MARKED "KNUCKLEBOOM", PROJECT # STS201802E. BIDS WILL BE TIME AND DATE STAMPED AT THE TIME OF RECEIPT.

BIDS WILL BE OPENED ON FEBRUARY 15, 2019 AT 4:30 P.M. IN THE COUNCIL CHAMBERS AT CITY HALL. THE BID OPENING IS OPEN TO ALL VENDORS.

A COPY OF THE BID SPECIFICATIONS CAN BE PICKED UP AT METTER CITY HALL, FROM THE HR/PURCHASING MANAGER, MISSY EDENFIELD, MONDAY THROUGH FRIDAY BETWEEN THE HOURS OF 8:00 A.M. AND 5:00 P.M. YOU MAY REQUEST A COPY OF THE BID SPECIFICATIONS BY EMAIL TO medenfield@cityofmetterga.gov.

FOR ALL INQUIRES CONCERNING THESE BID SPECIFICATIONS PLEASE CONTACT MISSY EDENFIELD AT ANY OF THE FOLLOWING: CITY HALL, 49 S ROUNTREE ST, METTER, GA 30439, (912)685-2527 OR (912)314-3896, medenfield@cityofmetterga.gov.

THE CITY OF METTER RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS.

CITY OF METTER P.O. BOX 74
METTER, GA 30493
CITY OF METTER

SPECIFICATIONS FOR ONE 2018 MODEL
33,000 GVWR SINGLE AXLE TRUCK CHASSIS WITH
MOUNTED KNUCKLEBOOM TRASH LOADER

INTENT

It is the intent of these specifications to describe a heavy duty truck-mounted, hydraulically operated knuckleboom loader with dump body to be used in the collection and loading of bulk trash, limbs, leaves, brush, building materials, white goods and other materials of similar nature. The truck and loader shall conform to applicable Georgia and federal regulations binding this type of equipment. If meeting or exceeding specifications

put YES and if exceptions are taken put NO. Any exceptions must be explained in writing. All proposals include delivery, training of operators and service personnel.

THE FOLLOWING ARE MINIMUM SPECIFICATIONS THAT WILL BE REQUIRED:

CAB

2 door or 4 door cab; white exterior with primer coat/base coat/clear coat finish; solar tinted glass; factory air conditioner including integral heater/defroster; intermittent windshield wipers with washers; gray interior color; vinyl seating with single air bucket driver seat (30%), dual occupant front passenger seat (70%); dual sun visors; driver and passenger outside fold-back rearview mirrors including convex mirrors; AM/FM radio; dual electric horns and single trumpet air horn; steel front bumper.

YES _____ NO _____
OFFER

WHEELBASE/CA

Minimum length needed to accommodate loader chassis requirements while ensuring safe operation of the knuckleboom loader.

YES _____
NO OFFER

FRAME

Single channel heat treated alloy steel main frame rated at minimum 120,000 PSI with frame reinforcement for entire length of frame rated at minimum 120,000 PSI with total (main frame + reinforcement) minimum 1 RBM. 2 front tow hooks.

_____ YES NO OFFER

FRONT AXLE

12,000 lb. front axle with wheel seals for oil lubricated wheel bearings and power steering.

YES _____
NO OFFER

FRONT SUSPENSION

Minimum 12,000 lb parabolic tapered leaf springs including shock absorbers

YES NO OFFER



REAR AXLE

Minimum 21 ,000 1b single speed rear axle with wheel seals for oil lubricated wheel bearings. Rear axle ratio shall provide maximum grade ability in 1st gear and a highway speed of 65 MPH. Locking differential to be included

YESNO OFFER



REAR SUSPENSION

Minimum 23,000 1b multi leaf rear suspension and minimum 3,000 1b auxiliary springs, and rear stabilizer bar.

YES _____ _____ NO _____
OFFER

BRAKES

Full air brake system with anti-lock feature; minimum 13.2 CFM capacity air compressor; dual air pressure gauges; low air pressure warning light/alarm; front/rear automatic slack adjusters; air activated spring-loaded parking brake; three drain valves and two air tanks; air dryer with automatic air moisture ejector and heater; front and rear dust shields.

YES NO OFFER



ENGINE

Diesel engine with minimum 260 HP @ 2200 RPM, 800 LB/FT torque @ 1440 RPM, and 2400 RPM governed speed; heavy duty dual element air cleaner; air restriction indicator; fuel filter and water separator with electric type heater and sight glass. Engine must meet 2010 EPA emissions standard. 5 year engine warranty must be included, includes injectors.

YES _____ NO _____
OFFERS

EXHAUST

Horizontal exhaust system w/tailpipe toward the rear of truck chassis.

YES _____ NO _____
OFFER

TRANSMISSION

6-speed Allison 3500RDS-P automatic transmission with overdrive including wide ratio, transmission oil cooler in radiator, and audible back up alarm activated when transmission is shifted into reverse. PTO electronic activation switch. 5 year transmission warranty must be included.

YES _____
NO OFFERS

ELECTRICAL

With 130 amp alternator; 2000 CCA minimum dual battery system; sealed connectors for 2 ground circuits, with combined left/stop, combined right/stop, stop lamps, back up lamps, and 2 additional pass through wires to cab; body builder wiring to end of frame. Battery disconnects to be included.

YES _____ NO _____ OFFERS _____

FRONT/REAR WHEELS AND TIRES

22.5" x 8.25" painted steel disc 10-hole hub-piloted wheels with 11 R22.5 14 PLY radial front tires and 11 R22.5 16-ply radial rear tires. Hwy tread front tires and traction tread rear tires.

YES _____ NO _____ OFFERS _____

FUEL TANK

Minimum 50 gallon fuel tank.

YES NO OFFER _____

INSTRUMENTATION

Full set of gauges for water temperature, engine oil pressure, amp meter or volt meter, fuel level, tachometer, speedometer, and audio/visual warning system.

YES NO OFFER _____

BACK-UP CAMERA

INCLUDE REAR COLOR CAMERA SYSTEM. MUST TURN ON AUTOMATICALLY IN REVERSE.

YES NO OFFER _____

MISCELLANEOUS

Two sets of operator's manual, and two sets of service manuals per truck, which shall include disassembly/assembly and trouble shooting information of the cab, chassis, transmission, differential and engine. Exterior Cab mounted grab handles-Driver & Passenger side MUST be included. Power take-off and mud flaps. Back up alarm. 2 sets of keys.

YES NO OFFER _____

KNUCKLE BOOM LOADER WITH TRASH BODY
SPECIFICATIONS

THE UNIT WILL BE USED IN COLLECTION AND LOADING OF BULK TRASH, LIMBS, LEAVES, AND WHITE GOODS, OR OTHER MATERIALS OF THAT NATURE. UNIT MUST BE MANUFACTURED IN AN ISO 9001:2000 CERTIFIED FACILITY. ALL BIDDERS MUST FILL IN ALL INFORMATION. IF MEETING OR EXCEEDING SPECIFICATIONS PUT YES, AND IF EXCEPTIONS ARE TAKEN PUT NO. ANY EXCEPTIONS MUST BE EXPLAINED IN WRITING. ALL PROPOSALS MUST INCLUDE DELIVERY AND TRAINING OF OPERATION AND SERVICE PERSONNEL.

1. PEDESTAL & BOOM & CONTROLS:

YES

NO

A. MINIMUM BOOM LENGTH TO BE 16FT FIXED AND 4 FT TIP BOOM EXTENSION

B. MINIMUM LIFT CAPACITY TO BE 3,300 LBS. AT 18FT. INCLUDING GRAPPLE.

C. BOOM PEDESTAL TO BE CONSTRUCTED OF HIGH STRENGTH STEEL, PROVIDING A 3:1 SAFETY FACTOR.

D. ALL HYDRAULIC HOSES LOCATED AT THE

OPERATOR POSITION (BOOM PEDESTAL) MUST BE ENCLOSED IN THE PEDESTAL BASE. ACCESS PROVIDED BY AN EASILY REMOVABLE STEEL COVER.

E. 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 186,000 FTLBS. MOMENT. SLEWING RING SHALL BE 3 h" 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.

	YES	NO
<p>F. BOOM ROTATION OF 250 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.</p>	_____	_____
<p>G. BOOM ROTATION SHALL BE ACCOMPLISHED BY A DIRECT HYDRAULIC SWING DRIVE THROUGH A SLEWING (BEARING) RING & PLANETARY GEARBOX CAPABLE OF PRODUCING 150,000 INCH-POUNDS TORQUE MINIMUM.</p>	_____	_____
<p>H. ENTIRE BOOM ASSEMBLY SHALL BE DESIGNED WITH A TENSILE STRENGTH TO PROVIDE A SAFETY FACTOR OF 3 TO 1 AT THE RATED LOAD CAPACITY.</p>	_____	_____
<p>I. MAIN BOOM SHALL BE CONSTRUCTED OF (2) 8" HIGH STRENGTH STEEL TUBING.</p>	_____	_____
<p>J. TIP BOOM SHALL BE CONSTRUCTED FROM A 5" X 7" HIGH STRENGTH STEEL TUBE.</p>	_____	_____
<p>K. TIP BOOM SHALL HAVE A 4 FOOT TELESCOPIC EXTENSION TIP SECTION CONSTRUCTED FROM 6" HIGH STRENGTH STEEL TUBE.</p>	_____	_____
<p>L. MAIN BOOM SHALL BE EQUIPPED WITH MECHANICAL STOPS TO PROHIBIT HYDRAULIC CYLINDERS FROM BOTTOMING OUT. EXTEND BOOM STOPS MUST BE EASILY ACCESSIBLE AND REMOVABLE FOR SERVICE.</p>	_____	_____

M. BOOM PEDESTAL TO BE MOUNTED DIRECTLY TO THE CHASSIS FRAME RAILS. MOUNTING MUST INCLUDE INSIDE FRAME RAIL SUPPORTS AT THE MOUNTING POINTS.

YES

NO

N. 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.

O. 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.

P. ALL BOOM CONNECTIONS REQUIRING PINS SHALL BE EQUIPPED WITH REPLACEABLE BUSHINGS AND HEAT-TREATED PINS.

Q. 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.

R. TWO STAGE TANDEM PUMP ALLOWS FOR MULTIPLE FUNCTION CONTROL OF THE LOADER.

S. BOOM FUNCTIONS CONTROLLED BY MEANS OF HYDRAULIC JOYSTICKS LOCATED ON BOTH SIDES OF THE LOADER (TWO PER SIDE, THREE FUNCTIONS PER JOY STICK).

	YES	NO
<p>T. 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.</p>	_____	_____

U. JOY STICKS SHALL NOT REQUIRE ANY LUBRICATION THEREBY ELEMENATING ANY FREQUENT MAINTENANCE.

<p>V. OUTRIGGERS CONTROLLED BY INDIVIDUAL LEVERS LOCATED CONVENTLY 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 ENCLOSERS SHALL BE PROVIDED TO PROTECT OPERATOR FROM HYDRAULIC FLUID AND COMPONENTS. ALL CONTROLS SHALL BE CLEARLY IDENTIFIED AS TO FUNCTION.</p>	_____	_____
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<p>W. MAIN BOOM AND TIP BOOM CYLINDERS MUST INCORPORATE INTEGRAL HOLDING VALVES. EXTERNALLY MOUNTED HOLDING VALVES ARE NOT ACCEPTABLE.</p>	_____	_____
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2. TRASH GRAPPLE\BUCKET

<p>A. 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.</p>	_____	_____
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<p>B. BUCKET IS TO BE OPENED AND CLOSED BY</p>	_____	_____
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YES

NO

(2) HYDRAULIC CYLINDERS WITH A CLOSING
FORCE\BITE OF 3,600 LBS.

C. BUCKET IS TO BE 4' LONG AND CAPABLE OF
OPENING TO 60 INCHES FROM LIP TO LIP.

D. BUCKET SHALL BE FABRICATED WITH A BOLT ON
REPLACEABLE H.S.H.C. STEEL CUTTING EDGE.

E. BUCKET CYLINDERS AND HOSES SHALL BE
ENCLOSED BY A REMOVABLE STEEL COVER.

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3. HYDRAULICS:

A. RESERVOIR SHALL BE A MINIMUM OF 45 GALLONS. IT SHALL HAVE A DUAL LEVEL/OIL TEMPERATURE GAUGE ON SIDE OF TANK. AN INTANK SUCTION STRAINER IS INCLUDED

B. FILTER SHALL BEA 10-MICRON, RETURN LINE REPLACEABLE FILTER MOUNTED ON OUTSIDE OF RESERVOIR.

C. CUT-OFF VALVES ARE TO BE PROVIDED FOR BOTH PRESSURE AND SUCTION. VALVES WILL NOT BE PERMISSIBLE.

D. ALL HOSES SHALL BE RATED AT 3,000-PSI WORKING PRESSURE.

E. PORT TUBING THROUGH THE MAIN BOOM SHALL BE STAINLESS STEEL TUBE.

F. CONTROL VALVES SHALL HAVE A 20 GPM RATING.

G. SUCCESSFUL BIDDER MUST PROVIDE A COMPUTER PRINTOUT AT TIME OF DELIVERY SHOWING PARTICLE TESTING OF THE HYDRAULIC OIL DONE JUST PRIOR TO THE UNIT BEING SHIPPED IN ORDER TO ILLUSTRATE CLEANLINESS OF HYDRAULIC SYSTEM.

4. POWER SOURCE:

A. 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.

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_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

YES

NO

5. THROTTLE CONTROL:

A. 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 MOUNTED ON OPERATOR'S PLATFORM FOR OPERATOR'S CONVENIENCE.

B. THROTTLE SPEED-UP SHALL OPERATE ONLY WHEN THE TRANSMISSION IN THE NEUTRAL POSITION.

6. OUTRIGGERS:

A. 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

B. THE OUTRIGGERS ARE TO BE EQUIPPED WITH SMOOTH PADS TO CAUSE MINIMUM DAMAGE TO CONTACTED SURFACE.

C. OUTRIGGERS SHALL TELESCOPE

HORIZONTALLY IN AND OUT; AND VERTICALLY UP AND DOWN AND OPERATE INDEPENDENTLY BY MEANS OF INDIVIDUAL CONTROLS.

D. OUTRIGGER CYLINDERS FOR STABILIZING LOADER SHALL BE MOUNTED INSIDE TELESCOPING LEGS. _____

E. OUTRIGGERS SHALL RETRACT TO WITHIN THE MAXIMUM HIGHWAY WIDTH AND WILL EXTEND TO A MAXIMUM WIDTH TO RESIST THE DESIGN LOAD MOMENT. _____

NO

F. OUTRIGGER CYLINDERS SHALL CONTAIN HOLDING VALVES ON EXTEND AND RETRACT FUNCTIONS TO PREVENT OUTRIGGER LEAK DOWN _____

7. LIGHTS AND REFLECTORS:

A. SHALL CONFORM TO CURRENT STATE AND FEDERAL STANDARDS. INCLUDE CAB MOUNTED STROBE LIGHT _____

8. PAINT:

A. LOADER SHALL RECEIVE (1) COAT OF HIGHGRADE PRIMER AND (2) COATS OF HIGH-GRADE ENAMEL PAINT (MANUFACTURER'S STANDARD COLORS). _____

9. WARRANTY:

A. BIDDER MUST PROVIDE ALL WARRANTIES

REQUIRED BELOW. FAILURE TO PROVIDE SUCH WARRANTIES MAY RESULT IN YOUR BID BEING DEEMED NON-RESPONSIVE.

B. 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

10. DELIVERY:

A. INDICATE NUMBER OF DAYS THE PRODUCT _____ SHALL BE DELIVERED AFTER THE RECEIPT OF CHASSIS AT MANUFACTURE'S FACILITY.

SPECIFICATIONS: 18FT LONG, 25 CUBIC YARD BODY

	YES	NO
1. TRASH BODY:		
A. 25 CUBIC YARD CAPACITY	_____	_____
B. Minimum 18 FOOT BODY LENGTH	_____	_____
c. BODY SHALL BE MOUNTED WITH A MINIMUM SPACE OF 60 INCHES BETWEEN THE CAB AND THE FRONT OF THE BODY	_____ _____	
D. BODY FLOOR SHALL BE MADE OF A MINIMUM 3/16 SHEET STEEL. A 3/16"FORMED CHANNEL SHALL CREATE A BUMPER ON BOTH SIDES OF THE FLOOR.	_____	_____
E. 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	_____ _____	
F. BODY WALLS SHALL HAVE A TOP RAIL MADE OF _____ RECTANGLE TUBING	_____	_____ 3" X 4" X 1/0"
G. WALL STIFFENERS WILL BE WELDED TO TOP RAIL AND _____ STIFFENERS WILL BE WELDED TO THE WALL SHEET.	_____	_____
H. FRONT BODY WALL TO BE 42 INCHES HIGH WITH SIDE BODY WALLS TRANSITIONING FROM 42 INCHES HIGH TO 60 INCHES HIGH 8FT. FROM THE BODY FRONT.	_____	_____
I. 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.	_____	_____
J. BODY SHALL HAVE (I)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.

YES

NO

K. DOOR SHALL BE HINGED WITH (1) 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.

L. REAR DOOR SHALL BE FABRICATED FROM 10-GAUGE _____ STEEL WITH A CIRCUMFERENTIAL FRAME OF 4-INCH STRUCTURAL CHANNEL.

2. BODY HOIST:

A. 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.

B. MINIMUM HOIST RATED CAPACITY: 15 TONS

3. LIGHTS AND REFLECTORS:

A. ALL LIGHTING TO BE LED DOT STANDARDS AND SHALL

CONFORM TO CURRENT STATE AND FEDERAL STANDARDS.

B. REFLECTIVE SAFETY TAPE SHALL BE ON BOTH SIDES _____ AND ON REAR OF BODY. INCLUDE LED STROBES IN CORNER POSTS

4. PAINT:

A. BODY EXTERIOR SHALL RECEIVE (1) COAT OF HIGH-GRADE _____
PRIMER AND (2) COATS OF HIGH-GRADE STANDARD BLACK.

B. BODY INTERIOR SHALL RECEIVE (1) COAT OF HIGH-GRADE _____
PRIMER.

YES NO

5. SAFETY REAR BUMPER:

A. BODY SHALL HAVE A REAR SAFETY BUMPER _____

6. BODY SAFETY PROP:

A. TWO (2) BODY SAFETY PROPS SHALL BE INSTALLED ONE _____
ON EACH SIDE OF THE CHASSIS FRAME RAILS.

7. WARRANTY:

A. BIDDER MUST PROVIDE ALL WARRANTIES REQUIRED BELOW. _____
FAILURE TO PROVIDE SUCH WARRANTIES MAY RESULT IN YOU'RE BID BEING DEEMED NON-RESPONSIVE.

B. ENTIRE UNIT TO HAVE A ONE YEAR PARTS AND LABOR _____

WARRANTY AND A 3 YEAR STRUCTURAL WARRANTY.

8. OPTIONAL ITEMS IF AVAILABLE:

A. In-Cab Joy Stick Controls (4-door cab chassis) _____

B. Roof window for safe In-cab operation and 3 Camera flat screen Monitors above the rear window, connected to a camera in a protected area under the junction of the main boom, camera to follow boom/bucket motion. And (2) cameras in protective enclosures attached to each rear grab bar allowing a view down each side of the dump body.
