



224 South Jefferson Street, Perry, FL 32347

(850) 584-7161

November 4, 2022

The City of Perry is accepting sealed bids for two (2) 2023 or newer Cab, Chassis Body and Loader. Specifications are attached. Please include Delivery Date and FOB Perry.

If you are interested in submitting a bid, your bid must be marked **"Sealed Bid"** and address to:

City of Perry, Boom Truck  
Attn: Katrina Duckworth, Purchasing Agent  
224 South Jefferson Street  
Perry, Florida 32347

All inquiries regarding this bid invitation should be directed to Mr. McAfee at 850-584-7940. All bids should be received no later than 2:00pm on Thursday, December 1, 2022.

**THE CITY MANAGER EXPRESSLY RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS, WAIVER ANY INFORMALITIES, OR TO ACCEPT THE BID DEEMED TO BE THE BEST INTEREST OF THE CITY.**

City of Perry, FL

Katrina E. Duckworth  
Purchasing Agent  
Email: [kslaughtert@cityofperry.net](mailto:kslaughtert@cityofperry.net)

Cc: Taylor Brown  
Chester McAfee

**DisposAll, Inc**  
**Attn: Bob MaxQueen**  
**3941 Bryn Mawr Street**  
**Orlando, FL 32808**

**Apex Equipment**  
**1400 53<sup>rd</sup> Street**  
**West Palm Beach, FL 33407**

**Trans Power**  
**2702 Palmyra Road**  
**Albany, GA 31701**

**Kenworth of Jacksonville**  
**833 Pickettville Road**  
**Jacksonville, FL 32220**

**Truckworx Kenworth**  
**461 Ross Clark Circle**  
**Dothan, AL 36303**

**Kenworth of Central Florida**  
**Attn: Mike Crawford**  
**6905 East M.L.K. Jr Blvd.**  
**Tampa, FL 33619**

**PAC-MAC**  
**160 Commerce Drive**  
**P.O. Box 349**  
**Bay Springs, MS 39422**

**Nextran Truck Center**  
**Attn: Robert Judkins**  
**328 SW Ring Court**  
**Lake City, FL 32055**

**Ingram Equipment Company**  
**Attn: Steve Churchard**  
**11 Monroe Drive**  
**P.O. Box 1907**  
**Pelham, AL 35124**

**Sansom Equipment Company**  
**7760 Highland Avenue North**  
**Mobile, AL 36608**

**RDK Truck Sales**  
**3214 Adamo Drive**  
**Tampa, FL 33605**

**Four Star Friehtlinger**  
**270 Four Star Way**  
**Midway, FL 32343**

**Karl Flammer Ford**  
**41975 US 19 North**  
**Tarpon Springs, FL 34689**

**Woody's Truck Sales**  
**8985 NW Gainesville Road**  
**Ocala, FL 34475**

**Jacksonville Commercial Truck**  
**3747 Old Kings Road**  
**Jacksonville, FL 32254**

**Commercial Truck & Trailer Sales**  
**6801 E Broadway Avenue**  
**Tampa, FL 33619**

**Tampa Truck Center LLC**  
**Scott Endris, Municipal Fleet Mgr**  
**7528 US Hwy 30 N**  
**Tampa, FL 33637**

**Hub City Ford-Mercury, Inc.**  
**Dion R Stakely, Fixed Operations/Fleet Director**  
**4060 S Ferdon Blvd.**  
**Crestview, FL 32536**

**Dales Truck Sales**  
**2475 FL-84**  
**Ft. Lauderdale, FL 33312**

**Gator Ford Trucks**  
**11780 Tampa Gateway Blvd**  
**Tampa, FL 33584**

**Freightliner Trucks of Dothan**  
**211 Speigner Street**  
**Dothan, AL 36303**

**Western Star of Dothan  
426 Merrill Road  
Dothan, AL 36303**

**Petersen Industries, Inc.  
4000 State Road 60 West  
Lake Wales, FL 33859**

**Thomas Chevrolet  
2128 Hwy 19 South  
Perry, FL 32348**

**Timberland Road  
2441 S. Byron Butler Pkwy  
Perry, FL 32348**

## Specifications

### **Engine**

- Diesel engine, 6.7L, 245 Gross HP (per the latest issue of SAE J1349) and 620 lbs.-ft Gross Torque, minimum. State Liters, Gross HP and Gross Torque.
- Emissions shall meet or exceed all applicable federal and State of Florida emissions and environmental laws, regulations, specifications, standards, and requirements in effect as of the date of manufacture. State Engine/Emissions Type (Advanced EGR-Exhaust Gas Recirculation, SCR-Selective Catalytic Reduction, or other ) and Urea Tank Size (in gallons), if required.
- Standard cooling system with antifreeze.
- Dry type air cleaner with service (restriction) indicator.
- Engine protection system, at a minimum, must be activated by low engine oil pressure, and high engine temperature. System shall, at a minimum, include a warning light(s) and derate (ramp down) feature that will reduce engine power and speed, or shut down the engine when any of these functions exceed normal limits.

### **Electrical System**

- Minimum 100 amps 12 v. alternator.
- Batteries to have a minimum total of 1100 CCA @ 0 degrees F.

### **Transmission**

- Minimum six (6) speed automatic transmission with provisions for a PTO, Allison 3000RDS or Approved Equivalent.

### **Axles & Suspension**

- Steel front axle and suspension, minimum 12,000 lbs. capacity.
- Front shock absorbers.
- Front wheel oil-lubricated bearings and seals.
- Single speed rear axle and suspension, minimum 23,000 lbs. capacity. Rear axle ratio is to be a 6.43/6.50 for 2400 RPM engines, 6.14/6.17 for a 2600 RPM engines, or the closest possible ratio available that will provide a top speed of approximately 65 MPH. State rear suspension capacity, rear axle ratio, engine RPM and top speed (MPH).
- Front wheel hubs and rear axle shall be filled with synthetic lubricant.
- Auxiliary rear leaf spring(s) or rubber helper.

## **Performance Items**

- Factory installed speedometer, odometer, ammeter or voltmeter, fuel gauge, engine oil pressure gauge, coolant temperature gauge, tachometer, air pressure gauge and dash mounted engine hour meter.
- Power steering.

## **Comfort Items**

- Factory installed AM-FM radio.
- Air conditioner with integral heater and defroster.
- Arm rests both sides, if available: sun visors, both sides
- Tinted glass all windows, including windshield.

## **Safety Items**

- Air horn(s), mounted under cab or hood, or behind the front bumper.
- Standard electric horn.
- Outside mirrors, left and right side. Mirrors to be six (6) X twelve (12) inches, minimum, with convex mirrors on both sides. Mirrors and brackets shall be of rust and corrosive resistance materials such as stainless steel, aluminum, coated metals or composite materials. Painted mirrors and brackets are not acceptable.
- Automatic – adjustable volume backup alarm. Must meet latest issue of SAE J994, Type B, 107dB (A). Factory or dealer installed.
- Rain Flaps: Splash and spray suppressant rain flaps, straight grass type, installed on heavy-duty hangers. Factory or dealer installed.  
NO VENDOR ADVERTISING OR IDENTIFICATION WILL BE PERMITTED ON RAIN FLAPS.
- All access steps shall be self-cleaning slip-resistant grating.
- Daytime running lights.

## **Brakes**

- ABS air brake system, minimum 13.2 cfm air compressor.
- Spring applied parking brake.
- Front and rear automatic slack adjusters.
- Front and rear dust shields.
- Outboard mounted brake drums, front and rear, if available, (NOTE: Allows brake repair without removing axle hubs.)
- Low air pressure warning indicator.
- Air dryer with heater, Bendix AD-9, AD-IP, AD-IS, Wabco System Saver 1200 or Approved Equivalent. State air dryer with heater type.

## **Tires & Wheels**

- Six (6) 11R22.5H (16PR) or larger, tubeless, radial tires with highway tread.
- All wheels to be one-piece steel disc, ten (10)-hole, I.S.O. hub pilot mount, 22.5 inch diameter.
- Front, inside rear and outside rear wheels to be fully interchangeable.

## **Chassis, Frame, Cab**

- Cab-to-Axle Dimension 168"
- Minimum 35,000 lbs. GVWR, factory certified. State GVWR lbs.
- Minimum 1,700,000 in-lbs RBM frame. State frame RBM in-lbs.
- Factory installed fuel tank(s), minimum 70 U.S. gallons. State fuel tank(s) capacity.
- Front tow hooks or tow pins.
- Standard front bumper.

## **Cab Equipment**

- Conventional cab, with tilt-type hood and fender assembly.
- Full-width bench seat or individual driver seat with two (2)-man passenger seat.
- Grab handle(s) for cab entry, located at each entry door.
- Manufacturer's standard paint and colors.
- Rear cab window with fixed tinted glass.

## **Conditions**

- Bidder shall provide a manufacturer's print-out (Ford "DORA"/"Commercial Truck Tools", Freightliner "Spec Pro", "GM AutoBook", International "Vehicle Specifications", Mack "Order/Customer/Vehicle Information", or Approved Equivalent) to verify the vehicle bid meets all the requirements of this specification. Also, any dealer installed aftermarket components, if specified, must be noted on the manufacturer's print-out.
- Welding shall not be permitted on the frame side rails, nor shall the frame rails be cut to lengthen or shorten the wheelbase. Wheelbase modifications are allowed only by sliding the suspension with the "AF" dimension affected accordingly (excess length behind the rear axle may be cut off as required). Any wheelbase modification shall result in a wheelbase and frame combination that is identical to one available from the manufacturer.
- Paint numbers are referenced only to identify colors.
- Color - White

## SPECIFICATIONS FOR 20 FT. KNUCKLEBOOM GRAPPLE LOADER WITH 24 CUBIC YD. TRASH DUMP BODY

### Minimum Grapple Truck Requirements

- |      |   |   |  |
|------|---|---|--|
| 0.1  | Unit must be purpose designed and built for collecting and hauling trash in neighborhoods and on streets. Items to be collected could include brush, bulky items, C & D, sidewalk, etc. | <input checked="" type="checkbox"/> yes | <input checked="" type="checkbox"/> no |
| 0.2  | Unit to have a minimum haul capacity of 10,000 lbs.   | <input checked="" type="checkbox"/> yes | <input checked="" type="checkbox"/> no |
| 0.3  | Unit to have a minimum lift capacity of 2,200 lbs, fully extended, with the weight of attachment already subtracted, and at 85% of tipping moment.                                      | <input checked="" type="checkbox"/> yes | <input checked="" type="checkbox"/> no |
| 0.4  | Unit to have a minimum reach of 20 ft. from center of boom rotation to center of bucket rotation.   | <input checked="" type="checkbox"/> yes | <input checked="" type="checkbox"/> no |
| 0.5  | Unit to meet Federal highway standards and any applicable ANSI Z245.1 standards.  | <input checked="" type="checkbox"/> yes | <input checked="" type="checkbox"/> no |
| 0.6  | Total height of unit not to exceed 11'5" with open bucket resting on body floor.  | <input checked="" type="checkbox"/> yes | <input checked="" type="checkbox"/> no |
| 0.7  | Grapple loader assembly to be capable of reaching at least 9 ft. below grade over the side for reaching items in ditches.   | <input checked="" type="checkbox"/> yes | <input checked="" type="checkbox"/> no |
| 0.8  | Grapple loader and body must be fabricated and installed at same factory.   | <input checked="" type="checkbox"/> yes | <input checked="" type="checkbox"/> no |
| 0.9  | Grapple loader model bid should have been in production for at least 15 years to assure longevity of unit design, and manufacturer experience and commitment.                           | <input checked="" type="checkbox"/> yes | <input checked="" type="checkbox"/> no |
| 0.10 | Upon delivery of unit manufacturer shall furnish a Grapple Truck Owner/Operator/Mechanic Manual, and a 1 hour training DVD.   | <input checked="" type="checkbox"/> yes | <input checked="" type="checkbox"/> no |

**Basic Chassis Requirements for Mounting of Grapple Loader**

- |     |  |   |                             |
|-----|--|---|-----------------------------|
| 1.0 | 1,500,000 RBM minimum                                    | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |
| 1.1 | 33,000 GVWR minimum                                      | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |
| 1.2 | 12,000 GVW front minimum                                 | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |
| 1.3 | 21,000 GVW rear minimum                                  | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |
| 1.4 | 168" Cab To Axle Dimension                               | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |
| 1.5 | 76" of after frame minimum                               | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |
| 1.6 | Horizontal tailpipe extended 6 ft. past the back of cab. | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |
| 1.7 | Exterior grab handles on both sides of cab               | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |

**Pedestal Assembly**

- |     |  |   |                             |
|-----|--|---|-----------------------------|
| 2.0 | To be open A-frame type to allow flexing under repeated load shocks  | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |
| 2.1 | Pedestal legs are to be constructed of low carbon steel structural tubing for increased ductility, and reduced risk of fracture.   | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |
| 2.2 | Total height not to exceed 7 ft. from mounting plate to top of pedestal/main boom connection point.  | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |
| 2.3 | Spindle to be a single piece of high strength solid steel (ASTM 4140) turning in (ASTM-D4020-81) cast nylon bearings. Welded spindle/head assembly is to be stress relieved prior to installation.   | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |
| 2.4 | Boom rotation to be accomplished by a direct drive 270 degree hydraulic rotary actuator, with a maximum torque rating of 72,000 in. lbs. This rotary actuator eliminates the need for any type of gear reduction, thereby eliminating the metal-to-metal wear found in open,exposed pinion and bull gear design. | <input checked="" type="checkbox"/> yes | <input type="checkbox"/> no |

- 2.5 To prevent spindle bending moments from being transmitted to rotary actuator, the actuator must be mounted by means of a double torque arm assembly which will allow the actuator to "float" in its mounting and maintain proper alignment.  yes  no
- 2.6 For ease of maintenance all hoses between boom tubing and control valves are to be plumbed in front of pedestal.  yes  no
- 2.7 Maximum of 20 boom rotator bolts are to be torqued every 40 hrs. to 500 ft. lbs. dry threads. All rotator bolts shall be easily accessible for this procedure, and not require the removal of any covers.  yes  no

### **Boom Construction**

- 3.0 Main boom to be twin boom style with two ea. 4" x 8" x 3/8" thick high tensile steel tubes.  yes  no
- 3.1 Twin boom tubes shall be connected to each other only at their center line to allow a shock absorbing flexing action of the boom.  yes  no
- 3.2 Main boom hydraulic cylinder must have a minimum 1,200 psi down pressure for compacting loads.  yes  no
- 3.3 Tip boom shall have a 4 ft. extendable/retractable telescopic boom.  yes  no
- 3.4 Tip boom and telescopic boom must have mechanical stops to prevent cylinder stress.  yes  no
- 3.5 The inside of the tip boom must be separated from the outside of the telescopic boom by replaceable cast oil-impregnated nylon wear blocks on all sides to prevent metal-on-metal wear.  yes  no
- 3.6 Telescopic boom must be supported on the bottom by a metal roller.  yes  no

- 3.7 Tip boom shall have auto-hose-slack-takeup, which is to be enclosed inside steel box for protection. Steel box to have easily removable cover for maintenance.  yes  no
- 3.8 Boom connection points must be equipped with replaceable cast, oil-impregnated nylon or bronze bushings.  yes  no
- 3.9 Boom connection points shall be equipped with a 2" bolt with castellated nut to prevent spreading of the connection pivot point.  yes  no

#### **Lift Capacity**

- 4.0 Load radius is to be measured from the center of boom rotation to the center of bucket rotation. Capacities shown must not exceed 85% of vehicle tipping moment, with outriggers fully extended on firm, level ground. Weight of bucket and/or attachments must be subtracted from lift capacities shown to calculate remaining lift capacity.  yes  no
- 4.1 At a 10 ft. radius the boom must be capable of lifting 7,100 lbs.  yes  no
- 4.2 At a 16 ft. radius the boom must be capable of lifting 4,400 lbs.  yes  no
- 4.3 At a 20 ft. radius the boom must be capable of lifting 3,200 lbs.  yes  no

#### **Trash Grapple Bucket**

- 5.0 Bucket to be actuated by a single double-acting cylinder.  yes  no
- 5.1 Single cylinder is to be located so that it requires no additional guards.  yes  no
- 5.2 The bucket shall be capable of continuous rotation with no need for physical stops.  yes  no
- 5.3 Bucket rotator to have 5,500 in. lbs. torque rating.  yes  no

- 5.4 Bucket must have the capability to be rolled over on the load without damage to any components. This allows a maximum load and keeps the boom height within acceptable limits.  yes  no
- 5.5 3/16" plate, smooth steel clamshell scoop sides for containing loose debris.  yes  no
- 5.6 Bucket end plates are to be a minimum 5/8" thick and of A-572 grade 50 steel.  yes  no
- 5.7 Bucket to have a minimum of 5 ribs per side to handle branches, logs, and appliances.  yes  no
- 5.8 Bucket design to incorporate a trample ram in the center for compressing trash in body.  yes  no
- 5.9 The bucket is to be 4 ft. long, and open to a width of 5 ft. between pickup blades.  yes  no
- 5.10 Anti-scalping bucket sides are to be pivot mounted to provide a horizontal closing action rather than a vertical digging motion.  yes  no
- 5.11 Scoop sides are to be mechanically linked to a single hydraulic cylinder so that both sides close together.  yes  no
- 5.12 All hydraulic hoses for bucket function will terminate at bucket rotator and shall be wrapped with a rubberized coil for added protection.  yes  no
- 5.13 Bucket shall have replaceable hardened steel cutting edges/blades. Blades shall bolt on.  yes  no

#### **Power Source**

- 6.0 To be transmission mounted PTO coupled directly to the hydraulic pump (no drive shafts).  yes  no

- 6.1 For vehicles with an automatic transmission, the power source shall be a "Hot Shift" PTO. For vehicles with a manual transmission and air brakes, the power source must be an "Air Shift" PTO. For vehicles with a manual transmission and hydraulic brakes, the power source must be a "Cable Shift" PTO.  yes  no
- 6.2 Must be equipped with overspeed protection (with the exception of manual transmission).  yes  no

### Hydraulic Components

- 7.0 Reservoir is to be 40 gallon baffled tank with externally mounted suction and return filters and cutoff valves for ease of service. To include a sight gauge with a thermometer and a vent filter.  yes  no
- 7.1 All cylinders are to be double acting with chromed rods and aluminum pistons.  yes  no
- 7.2 Main boom lift cylinder to be 5" x 32" with a 2 ½" shaft.  yes  no
- 7.3 Tip boom lift cylinder is to be 5" x 32" with a 2 ½" shaft.  yes  no
- 7.4 Main boom cylinder and tip boom cylinder are to be interchangeable to reduce the need for additional parts inventory.  yes  no
- 7.5 Tip extension cylinder is to be trunnion mounted to cushion against twisting and reduce cylinder wear.  yes  no
- 7.6 Tip Extension cylinder is to be 2" x 48" with a 1 ¼" shaft.  yes  no
- 7.7 Control valves are to be Gresen stack type with port reliefs.  yes  no
- 7.8 Counterbalance valve is to be installed on Main Boom Cylinder to prevent collapse in case of hose rupture.  yes  no

- 7.9 Counterbalance valve is to be installed on tip boom cylinder to prevent collapse in case of hose rupture.  yes  no
- 7.10 Counterbalance valve is to be installed on tip extension cylinder to prevent collapse in case of hose rupture.  yes  no
- 7.11 Pilot operated check valves are to be installed on vertical outrigger cylinders to prevent leak down.  yes  no
- 7.12 Pump to be Single Commercial Intertech P-20 20 GPM at 1,400 rpm.  yes  no
- 7.13 Hydraulic lines to run between twin booms, and in tip boom shall be JIC mechanical tubing with 12,000 PSI working pressure.  yes  no
- 7.14 All hydraulic hoses used are to be high tensile steel wire braided hoses with 4,000 psi working pressure.  yes  no
- 7.15 Main relief is to be set at 2,500 psi max.  yes  no

#### Operator Controls

- 8.0 Engine is to be programmed for the proper rpm level and activated by a marine type switch at the operator's station.  yes  no
- 8.1 Unit is to be equipped with dual walk-thru type controls.  yes  no
- 8.2 Controls are to be greaseless for operator comfort and to prevent freezing. They shall not require lubrication.  yes  no
- 8.3 Control platform to be located directly behind conventional cab at the same height as the top of truck frame to allow operator access from the truck cab without ever having to touch the ground.  yes  no
- 8.4 A single bank of control valves to be mounted at the mid-point of loader, with control handles accessible from the operator platform on either side of the truck.  yes  no

- 8.5 Control handle pattern must be identical on either side of the truck.  yes  no
- 8.6 Outrigger controls are to be located on either side of the platform below the loader controls.  yes  no
- 8.7 Walk platform is to be constructed of "Grip Strut" serrated steel.  yes  no

#### Outrigger Stabilizers

- 9.0 Outriggers shall telescope horizontally in and out; and vertically up and down.  yes  no
- 9.1 Outrigger functions shall operate independently of each other, in and out, and up and down, on both sides for custom placement.  yes  no
- 9.2 Outriggers to be equipped with large steel pads with a minimum surface area of 140 square inches to spread pressure evenly over pavement and keep pads from sinking or breaking through pavement.  yes  no
- 9.3 Outriggers must telescope out and down to reach a horizontal distance of 11'8" between outer edges.  yes  no
- 9.4 Outriggers must retract to within maximum highway width.  yes  no
- 9.5 Down cylinders must be mounted inside horizontal outrigger legs for protection.  yes  no
- 9.6 Horizontal outrigger movement to be powered on each side by a hydraulic cylinder with a bore of 2 in. and a stroke of 20 in.  yes  no
- 9.7 Horizontal telescopic outrigger inner and outer tubing shall be separated by cast oil-impregnated nylon bearings on all four sides to eliminate metal on metal contact and reduce wear.  yes  no
- 9.8 Vertical movement to be provided on each side by a hydraulic cylinder with a bore of 3 in and a stroke of 22 in.  yes  no

**Paint and Accessories**

- 10.0 Entire loader must be abrasive blasted prior to paint application.  yes  no
- 10.1 Loader to be painted manufacturer's standard colors.  yes  no
- 10.2 Bucket to be manufacturer's standard black.  yes  no
- 10.3 Loader is to be equipped with a boom up sensor, which shall include both an indicator light and an audible alarm installed in cab of truck to warn driver when boom is above legal travel height of 13'6".  yes  no

**Loader Warranty**

- 11.0 Loader to be warranted for one year hydraulic. Copy of warranty is to be submitted with bid.  yes  no
- 11.1 Loader to be warranted for 3 years on major structural components.  yes  no

**Trash Dump Body Dimensions and Specs**

- 12.0 Body is to be 18 ft long.  yes  no
- 12.1 Body capacity is to be a minimum of 24 cubic yards.  yes  no
- 12.2 Body floor to be constructed of a single sheet of 3/16" smooth steel plate.  yes  no
- 12.3 Body floor plate is to be 91" wide and 18ft. long, and continuously welded to sides and headboard.  yes  no
- 12.4 Headboard to be constructed of 10 gauge steel.  yes  no
- 12.5 Headboard to be 42" high measured inside from floor to top.  yes  no
- 12.6 Top rail of headboard to be formed 3" x 4" 10 gauge steel.  yes  no

- 12.7 Body sides are to be constructed of 10 gauge smooth steel sheet.  yes  no
- 12.8 Front portion of body side to be 42", high measured inside from floor to top, angling up to 60" at the 4<sup>th</sup> side post and continuing at 60" for remainder of body and rear doors.  yes  no
- 12.9 Top of body sides to be formed with a right angle outward bend to be used as part of the top rail construction. A formed 3" x 4" 10 gauge formed channel is to be layered with this portion of the side and continuously welded to it to form the top rail.  yes  no
- 12.10 The top surface of the top rail shall be at least ¼" thick.  yes  no
- 12.11 Side construction shall be smooth all the way to the bottom with no 90° angles on lower portion of body sides to prevent collection of water and corrosion.  yes  no
- 12.12 Side posts to be constructed of 3" x 4" 10 gauge formed channel.  yes  no
- 12.13 There shall be 3 posts on the headboard and 8 posts on each side, not including the corner posts.  yes  no
- 12.14 Side posts shall be on 24" centers so that they align with cross members.  yes  no
- 12.15 Rear corner post shall be ¼" formed plate that is tapered from a 4" width at the top, to a 12" width at the bottom to prevent side flareout.  yes  no
- 12.16 The bottom of each side post shall be completely open to allow maximum drainage.  yes  no
- 12.17 Cross members are to be constructed of 4 x 5.4 lbs/ft structural channel on 12" centers.  yes  no
- 12.18 Longitudinal beams/Long sills are to be constructed of 8 x 11.5 lbs/ft structural channel.  yes  no

- 12.19 Barn doors shall be fitted on the rear of the body with the provision to swing each door completely around to the side and latch open for dumping.  yes  no
- 12.20 Each door must have 3 hinges.  yes  no
- 12.21 Each hinge shall be constructed of 3 steel plates, 2 ea. 5/8" plate welded on the body, and 1 ea. 3/4" plate welded on the door, all connected with a 3/4" steel pin.  yes  no
- 12.22 Hinges shall be designed so as to not require lubrication.  yes  no
- 12.23 A positive lock shall be provided at the top and bottom for locking doors closed.  yes  no
- 12.24 Doors to be fabricated from 10 gauge steel and must have an all around outside frame with one center upright post per door.  yes  no

#### **Body Dump Hoist**

- 13.0 To be a dual cylinder scissor type hydraulic hoist.  yes  no
- 13.1 Hoist must have a minimum capacity of 16 tons.  yes  no
- 13.2 Hoist must be power up and power down to save time.  yes  no
- 13.3 Hoist must raise the body to a minimum 45° dump angle without the rear of the body touching the ground.  yes  no

#### **Body Paint & Accessories**

- 14.0 Entire body is to be abrasive blasted prior to paint application.  yes  no
- 14.1 Outside of body is to receive 1 coat of high grade primer and 2 coats of high grade enamel, manufacturer's standard black.  yes  no
- 14.2 Inside of body shall receive 1 coat of high grade primer and 1 coat of high grade enamel, manufacturer's standard black.  yes  no

- 14.3 Lights, reflectors and mudflaps must meet Federal standards.  yes  no
- 14.4 There is to be an additional set of brake lights mounted on the upper rear corner post.  yes  no
- 14.5 Clearance lights are to be flush, grommet mounted and shock resistant.  yes  no
- 14.6 Safety rear bumper/Under-ride is to be constructed of 3" x 4" x 3/16" rectangular tubing.  yes  no
- 14.7 Body prop is to be included.  yes  no

**Dump Body Warranty**

- 15.0 Entire body is to have a 3 year structural warranty. Copy of warranty is to be included with bid.  yes  no

**Bid Sheet**

Cab & Chassis \$ \_\_\_\_\_

Body & Loader \$ \_\_\_\_\_

Total \$ \_\_\_\_\_

**YOU MAY BID ON ONE OR ALL OF THE ABOVE.**