

Attachment B- Specifications

14 Cubic Yard Dump Body

Specification Number: 859-RDB-110CT-1032/190

14 Cubic Yard Dump Body for 66,000 GVW - 110" CT Truck

14 cubic yard water level capacity dump body, new and of current model, equipped as advertised by the manufacturer, to meet or exceed the following **MINIMUM** specifications:

Dump Body Proposed: Make: _____ Model: _____

Hoist Proposed: Make: _____ Model: _____ Capacity: _____

Non-Restrictive

Clause: Any use of brand name or equal within this specification is to be considered a reference for the purpose of describing the standard of quality, performance, and characteristics desired. It is not intended to limit or restrict competition.

SPECIFICATIONS

Capacity: 14 cubic yard water level, - 16 cubic yard ends

Length: 14' inside dimension (minimum)

Width: 7' - 3" inside dimension (minimum)

Comply Yes/No: _____

Body Construction: All Steel to be Abrasion Resistant ASTM AR-450, Welded Joints to be Welded Solid

Steel:	Floor	1/4" Smooth Steel – one piece
	Sides	1/4"
	Front	1/4"
	Tailgate	1/4"
	Longitudinals	5" Structural Channel
	Cross Members	4" Structural Channel on 12" Centers

Comply Yes/No: _____

Tailgate: Straight boxed channel – reinforced, air latch

Comply Yes/No: _____

Side Braces: Formed-box channel - reinforced

Comply Yes/No: _____

Rub Rails: To be sloping

Comply Yes/No: _____

Hardware: Heavy - duty steel

Comply Yes/No: _____

Hoist Frame: Structural or 1/4" plate formed channel

Comply Yes/No: _____

Hoist Cylinder: Front mounted NTEA rated class 110 telescopic - lifting capacity 74,000 lb. - conversion hoist not acceptable.

Comply Yes/No: _____

Paint: Manufacturer's Standard Black

Comply Yes/No: _____

PTO: To be designed specifically for the Allison 4000 RDS Series Automatic Transmission (This is the transmission that is currently installed in MDOT dump trucks) and shall be equal to the Muncie CS24, or Chelsea 280 Series or equivalent having pressure lubrication, 12-volt hydraulic shift, over speed control, and SAE "B" type hydraulic mounting flange. The PTO is to run at approximately 115% of engine speed. The direct PTO-mounted hydraulic pump (no open drive shaft) shall be a tandem gear type w/cast iron housing, replaceable wear plates and needle or roller type bearings. Pump to be rated for 2000 PSI, 24 GPM at 1500 RPM (pump speed) for dump body and 2000 PSI, 24 GPM, at 1500 RPM (pump speed) for spreader. A remote mounted air control valve (3 way / 3 position/) to be supplied with console air control in cab to operate dump body, with neutral lock located between seats. The system shall be designed so that a spreader can be installed and powered by the hydraulic pump at a later date and to have adequate capacity to handle hydraulic flow without overheating. A 30 gallon hydraulic reservoir to be frame mounted on passenger's side with a direct mounted replaceable cartridge type return line hydraulic oil filter located for easy servicing. 4 channel tie-down brackets for slide-in spreader, 1 on each outside corner of the body.

Comply Yes/No: _____

Lights: Clearance lights, to be 2" round, LED, sealed, 2 prong lights, flush mounted

6" oval LED stop/tail/turn lights, one (1) in each rear corner post. Lights to be recessed, rubber grommet, snap-in shock proof type with plug-in connectors.

Amber LED Mini light bar per MDOT Statewide contract mounted to the cab protector with switch control in cab

Four corner LED lights consisting of two light heads of six (6) high intensity LED's mounted vertically on the grill at the front outside corners and two light heads consisting of six (6) high intensity LED's mounted vertically in a standard 6" stainless steel recessed light mount in the rear sidewalls of the dump body. Approved lights are in the MDOT statewide contract.

All Lights, Wiring & Reflectors installed to meet ICC Regulations (FMVSS108).

Comply Yes/No: _____

Pintle Hook: A 30 ton capacity forged Pintle hook mounted on 3/4" plate with two (2) 5/8" forged "D" rings for safety chains. Mounting height to be 25"-27" from ground to center of Pintle hook. Pintle hook plate must be gusseted to frame. Pintle hook shall be welded on for a permanent connection to vehicle.

Comply Yes/No: _____

Tarp System: Dump body shall include an Automatic Tarp System with Asphalt Tarp mounted in cab shield. Separate switch shall be included in cab for activation of Automatic Tarp System.

Comply Yes/No: _____

Accessories: Flush mounted 7 pin electrical connector (12 gauge wire with 10 gauge ground) and rear air connections, plumbed to rear of truck frame. All connections to be complete and operational.

Cab protector – 24" x full width protection with integral wind deflector made of a minimum 10 gauge sheet steel with 7 gauge minimum side braces

Mud Flaps

Asphalt Apron - 8" constructed of 1/4" plate with 1/4" side wings

Back-up alarm – smart alarm system which is activated upon movement of the vehicle; audible above normal outdoor and construction sounds; and meets all applicable federal rules and guidelines.

Glad Hands – Vendor is to contact receiving District Equipment Manager for mounting information.

Comply Yes/No: _____

Additional Requirements

- Service: Dump body shall be delivered fully assembled ready to operate. Factory-trained dealer representative is to inspect dump body on delivery and provide MDOT Equipment Manager with information on operational, service, and maintenance requirements
- Certification: The manufacturer(s) shall furnish certification that this equipment meets or surpasses current applicable U.S. Department of Transportation standards, U.S. Department of Labor Occupational Safety and Health Administration (OSHA) Regulations, and any other applicable Federal regulations.
- Workmanship: Workmanship throughout the unit shall conform to the highest standard of commercially accepted practice for the class of work and shall result in a neat and finished appearance. The design of the body and equipment which the manufacturer proposes to furnish must provide a unit of substantial and durable construction in all respects.
- All parts shall be new. Used, reconditioned, or obsolete parts will not be accepted.
- Warranty: Clearly stated terms and conditions of all manufacturer warranties shall be included with the bid packet. Any and all materials, specialty equipment, or accessories that prove defective in normal operation within the warranty period shall be replaced or repaired by the manufacturer free of any and all cost to MDOT, including all material, labor, and transportation costs. Warranty replacement and/or repairs shall be furnished promptly by the successful bidder within a time period not to exceed thirty days. **The bidder shall provide written assurance with the bid package regarding warranty repairs.**
- The delivering dealer will have sole warranty responsibility (**all components**) for the first ninety days after acceptance of dump body.
- The manufacturer shall provide, with bid packet, a list of warranty service locations within the State of Mississippi for all components of the dump body (hydraulics, electrical, hoist, PTO, Tarp System, etc.) which may need warranty repair beyond the first ninety days.
- NOTE: All warranty service shall be performed at an MDOT location, the field site where the equipment failed, or the vendors shop. **This will be at the discretion of the MDOT Equipment Manager.** There will be no mileage charges or other surcharges for warranty work.
- Parts Availability: Dealer name and location within the State of Mississippi (if applicable):

- Tests and Testing:** The complete dump body and all working and moving parts and operating devices shall be thoroughly tested and put in operating condition by the manufacturer.
- Prior to acceptance of equipment by MDOT, the manufacturer shall service and adjust equipment for operation.
- Literature:** Technical manuals: Operator's manual, service/maintenance manual, and parts book are to be made available in both hard copy and electronic (cd, flash drive, etc.) versions. One set of technical manuals shall be provided with first order upon delivery. Additional manuals may be ordered at a later date.
- Technical service bulletins: Successful bidder shall provide TSBs (technical service bulletins) for all Dump bodies delivered to MDOT as they are published, regardless of the date of delivery. TSBs may be furnished in paper or electronic format, and shall be updated regularly.
- The following additional information shall be provided by the vendor at time of delivery (electronically if possible):
Manufacturer's recommended service/preventive maintenance intervals
Recommended fluids, lubricants, and their SAE equivalents
- Descriptive literature shall be furnished to substantiate the details specified in bid.**

Certificate of Origin
(if applicable):

Mississippi Department of Transportation
Attn: Asset Management, 9301
P.O. Box 1850
Jackson, MS 39215