

# **ATTACHMENT C- SPECIFICATIONS**

**14 Cubic Yard Dump Body for 66,000 GVWR 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.

**The vendor must respond to each of the following statements.** Specifications listed are **minimum** requirements that must be met in order for a vendor to qualify for an award. A "YES" response means the vendor guarantees that they meet this requirement. A "NO" response means the vendor cannot meet the requirement and will not be considered. The vendor must supply printed literature that shows compliance with **EACH** requirement of the Equipment Specifications and, if on inspection, an item is found not to be in compliance, the dump body(s) will be rejected.

**Descriptive literature shall be furnished to substantiate the details specified throughout the SOQ.**

**SPECIFICATIONS**

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

**Comply Yes/No:** \_\_\_\_\_

Length: 14' inside dimension (minimum).

**Comply Yes/No:** \_\_\_\_\_

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

**Comply Yes/No:** \_\_\_\_\_

Construction: All steel to be abrasion resistant ASTM AR-500, welded joints to be welded solid.

Steel: Floor: ¼' smooth steel, one piece  
Sides: ¼"  
Front: ¼"  
Tailgate: ¼"  
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: 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 T/A 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 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. Four (4) channel tie-down brackets for slide-in spreader, one (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 snap-in shock proof-type with plug-in connectors mounted vertically in a standard 6" stainless steel recessed light mount in the rear sidewalls of the dump body.

Amber LED mini light bar per MDOT statewide vehicle safety lighting contract mounted to the cab protector with switch control in cab. Vendor is to contact the receiving MDOT district equipment manager for mounting information and light choice.

Four (4) corner LED lights consisting of two (2) light heads of six (6) high intensity LED's mounted vertically on the grill at the front outside corners and two (2) 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 vehicle safety lighting contract. Vendor is to contact the receiving MDOT district equipment manager for light choice.

All lights, wiring, and reflectors shall be installed to meet ICC Regulations (FMVSS108).

All electrical wiring shall be covered with split loom, convoluted tubing to protect wiring from chaffing and other mechanical damage.

**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 28" from ground to center of pintle hook. Pintle hook plate must be gusseted to frame. Pintle hook shall be bolted 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:** \_\_\_\_\_

Back-up Alarm: Smart, self-adjusting alarm system which is activated upon engagement of the reverse gear of the vehicle, is audible above normal outdoor sounds, and meets FMVSS requirements. The back-up warning alarm shall be mounted on the rearmost part of the vehicle, be protected from water and road spray and meet a minimum 82 dB up to 107 dB depending on surrounding ambient noise levels.

Alarm Volume (db): \_\_\_\_\_ Alarm Frequency (hrz): \_\_\_\_\_

**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 4" 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.

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 equipment on delivery and provide receiving MDOT Equipment Manager with information on operational, service, and maintenance requirements.

**Acknowledge Yes/No:** \_\_\_\_\_

Warranty: Clearly stated terms and conditions of all manufacturer warranties shall be included with the Statement of Qualifications (SOQ). 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 (30) calendar days. **The bidder shall provide written assurance with the SOQ regarding warranty repairs.**

The delivering dealer will have sole warranty responsibility (**all components**) for the first ninety (90) calendar days after acceptance of vehicle.

The manufacturer shall provide, with SOQ, a list of warranty service locations within the State of Mississippi for all components of the vehicle (A/C, body, chassis, electrical, etc.) which may need warranty repair beyond the first ninety (90) calendar days after acceptance of vehicle.

**Acknowledge Yes/No:** \_\_\_\_\_

Workmanship: Workmanship throughout the vehicle 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 vehicle of substantial and durable construction in all respects.

All parts shall be new. Used, reconditioned, or obsolete parts will not be accepted.

**Acknowledge Yes/No:** \_\_\_\_\_

Parts Availability: Dealer name and location within the State of Mississippi (if applicable):

Dealer Name: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, ZIP: \_\_\_\_\_

Telephone: \_\_\_\_\_

**Acknowledge Yes/No:** \_\_\_\_\_

Tests and Testing: The complete vehicle 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 vehicle by MDOT, the manufacturer shall service and adjust vehicle for operation.

**Acknowledge Yes/No:** \_\_\_\_\_

Literature: Technical manuals: Operator's manual, service/maintenance manual, and parts book are to be made available in both hard copy and electronic PDF file format on a USB flash drive. One set of technical manuals shall be provided with each dump body upon delivery. Additional manuals may be ordered at a later date.

Technical service bulletins: Successful bidder shall provide TSBs (technical service bulletins) for all equipment delivered to MDOT as they are published, regardless of the date of delivery. TSBs may be furnished in either paper or electronic format, and shall be

updated regularly. If submitting electronically, they shall be provided in PDF on USB flash drive(s) provided by winning bidder.

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

**Acknowledge Yes/No:** \_\_\_\_\_

Certification: The manufacturer(s) shall furnish certification that this machine meets or surpasses current U.S. Department of Labor Occupational Safety and Health Administration (OSHA) Regulations, U.S. Department of Transportation Federal Motor Vehicle Safety Standards (FMVSS), and any other applicable Federal regulations.

**Acknowledge Yes/No:** \_\_\_\_\_

=====

NOTE: Any company manufacturing, up-fitting, and/or selling a finished motor vehicle in the State of Mississippi must be in compliance with the rules and regulations of the Mississippi Motor Vehicle Commission (MMVC) prior to the SOQ review.

A copy of licenses as required by the MMVC should be supplied with SOQ. Licenses will be verified prior to award.

Mississippi Dealer's License Number: \_\_\_\_\_

MMVC Manufacturer's License Number (where applicable): \_\_\_\_\_

Application and contact information may be attained through the MMVC website:  
<https://www.mmvc.ms.gov/>

**Acknowledge Yes/No:** \_\_\_\_\_

=====

Vehicle Title or Assignment: **State of Mississippi/DFA – 941**  
Certificate of Origin:

Mailing address: Mississippi Department of Transportation, 9301  
P.O. Box 1850  
Jackson, MS 39215

**Acknowledge Yes/No:** \_\_\_\_\_