

Attachment B

Specification: Articulated-Telescopic Platform Truck

19,500 GVWR Articulated/ Telescopic Platform – Truck-Mounted – 54-Foot Working Height

Articulated/ telescopic platform, truck mounted, 54-foot working height, equipped with utility body, new and of current model, equipped as advertised by the manufacturer, to meet or exceed the following **MINIMUM** specifications:

**Articulated/Telescopic
Platform Proposed:**

Make _____ Model _____

Truck Proposed:

Make _____ Model _____ GVWR _____

Utility Body 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

GVWR: 19,500 lb. (minimum)

GVWR: _____

Comply Yes/No: _____

CA Dimension: 84"

CA dimension: _____

Comply Yes/No: _____

Engine: 6.0L, minimum, water-cooled, diesel, minimum 350 hp, torque of 800 lb.-ft., meeting all current federal and EPA requirements

Make: _____ Model: _____

HP: _____ Torque: _____

Comply Yes/No: _____

Engine Protection: Unit shall have automatic shutdown system to include oil pressure, oil temperature, coolant temperature, and intake manifold temperature.

Comply Yes/No: _____

Transmission: Heavy-duty, fully automatic, 6-speed, heavy-duty oil cooler

Comply Yes/No: _____

Brakes: Power - integral

Comply Yes/No: _____

Axle Rating and
Suspension:

Front – 7,000 lb. minimum, shock absorbers

Rear – 13,500 lb. minimum

Axle rating:

Front: _____

Rear: _____

Axle description:

Front: _____

Rear: _____

Gear ratio: _____

Comply Yes/No: _____

Cooling System:

Heavy-duty

Comply Yes/No: _____

Electrical:

12-volt, 90-amp alternator; one 12-volt maintenance free battery, 650 CCA

Alternator:

a. Manufacturer: _____

b. Amp rating: _____

Battery size and capacity: _____

Comply Yes/No: _____

Frame:

All grade 8 bolts and hardware for assembly. Huckbolts will not be acceptable. Minimum 80,000 PSI
high strength, low alloy steel

Comply Yes/No: _____

Fuel Tank:

50-gallon minimum, any configuration

Number of tanks: _____

Capacity per tank: _____

Comply Yes/No: _____

Steering:

Power – integral

Comply Yes/No: _____

Driveline:

Heavy-duty u-joint

Comply Yes/No: _____

Tires:

225/70R19.5F steel radial, highway tread front, all season rear dual and spare

Comply Yes/No: _____

Wheels: 19.5" diameter

Comply Yes/No: _____

Back-up Alarm: Smart alarm system which is activated upon movement of the vehicle; audible above normal outdoor and construction sounds

Comply Yes/No: _____

Cab Equipment: All standard equipment including, but not limited to: five cab-mounted marker lights, vinyl seats, factory air conditioning and heater with defroster, direct reading gauges for oil pressure and water temperature, tachometer, AM/FM Bluetooth stereo radio with hands-free option, dual air horns, warning lights and buzzers for oil pressure and water temperature, all dash switches including spares shall be functional, RH and LH west coast mirrors, convex auxiliary mirrors (LH & RH), tinted glass all around, four-speed electric windshield wipers and washers with intermittent mode, tilt steering column, high-visibility orange safety belts, front tow hooks, heavy-duty front bumper

Comply Yes/No: _____

Paint: Manufacturer's standard white

Comply Yes/No: _____

Utility Body: Minimum 132" in length, designed for dual-wheel chassis having an 84" C.A., all welded construction; minimum 16-gauge steel outside panels and 14-gauge steel end panels

To have compartments along both sides:

- Vertical compartments to include two (2) adjustable shelves with at least one (1) set of shelves having removable dividers
- Horizontal compartments to include at least one (1) containing a fixed shelf with removable dividers
- All compartments equipped with keyed-alike locks

Floor of body and top of compartments shall be 12-gauge safety-tread steel. Equipped with heavy-duty 36" tail shelf and ICC-type rear bumper, access steps on curbside of tail shelf with grab handle to the left of the steps and a 12" aluminum grab handle on the rear of the body; Grip Strut or equivalent step installed below stairwell. Spare tire carrier located behind front driver side, inside bed; LED lights and reflectors to meet ICC regulations; entire sub-frame and underbody undercoated.

Utility body length: _____

C.A. length: _____

Comply Yes/No: _____

Platform/Lift: The standard steel platform should be 36" x 60" x 43" deep with a duck under opening for easy access. The platform shall be equipped with a self-leveling device, safety belt "hook-in" fitting, safety belt, and 180° hydraulic swivel to rotate the platform. Minimum working load of 500 lb. and minimum tipping load of 450 lb. in all positions; height from ground to platform floor 49' minimum when mounted on a 1 1/2-ton chassis; working radius from center line of rotation 30' minimum; overall height in travel position 13' maximum; lower boom articulation 0° to 84°; upper boom articulation - 25° to 85°; inner boom extension 103"; rotation 360° continuous

Minimum working load: _____

Minimum tipping load: _____

Height from ground to platform floor: _____

Working radius from center line of rotation: _____

Overall height in travel position: _____

Comply Yes/No: _____

Hydraulic System: The hydraulic pump shall be driven by a hot shift PTO mounted to the transmission. It shall be of sufficient size to operate all functions. The system shall have double-acting hydraulic cylinders to operate the upper and lower booms; all cylinders equipped with pilot-operated check valves to hold load in the event of system failure; rotation driven by hydraulic motor; equipped with all lines, hose fittings, valves, filters, and reservoir required to perform the function of the platform.

Comply Yes/No: _____

Controls: Equipped with controls that can be operated from the platform and override controls that can be operated from the ground or truck platform; to have engine start and stop switch located at the platform, and manual two-speed throttle control

Comply Yes/No: _____

Emergency Controls: System to have the ability to lower platform in emergency situation due to power loss and/or accident. This is to be accomplished from platform or ground level.

Comply Yes/No: _____

Outer/Inner Boom Assembly: The outer/inner boom assembly includes an outer boom, telescopic inner boom, extension system, and hose assemblies. The outer boom consists of an 8" x 10" steel section. The 6" x 8" rectangular steel inner boom is housed within the outer boom. The extension system consists of an extension cylinder, holding valves, and a hose carrier housed inside the boom. The hoses routed through the outer/inner boom assembly are fully contained within the boom assembly.

A double-acting cylinder with two integral holding valves articulates the outer/inner boom assembly. A boom support cradle and a boom tie down strap are included.

Comply Yes/No: _____

Lower Boom Assembly: The lower boom assembly includes a lower boom, compensation link, and a hydraulic cylinder. The rectangular 8" x 10" steel lower boom is actuated by a double acting cylinder with two integral holding valves. The lower boom and compensation link form a parallelogram linkage to maintain the knuckle at a constant angle to the turret.

Comply Yes/No: _____

Material Handling Jib Crane and Winch: The material handling function shall include a jib crane and winch positioned on the street-side of the boom. The jib crane shall be hydraulically controlled, allowing the operator to position the load vertically with a control valve located at the upper control station. The jib crane pole shall be hydraulically adjustable to the required length of reach. A load chart near the operator's control station shall inform the operator of the jib crane and boom carrying capacities. The hydraulic jib crane cylinder shall include its own holding valve, which prevents cylinder creep and locks the cylinder in the event of hydraulic hose failure.

The self-locking worm gear winch shall be controlled from both the upper and lower control stations.

55' of 3/8" double-braided polyester rope with clevis hook shall be provided.

Comply Yes/No: _____

Independent
Outriggers:

The unit shall have two sets of narrow angle modified A-frame outriggers that are shear-plate mounted to the frame and are equipped with pilot-operated check valves, internal thermal relief valves, pivot feet, and separate controls. Outrigger dimensions vary with chassis application. For a 37 1/4" frame height, the outriggers furnish 101 3/4" of spread, 7 3/4" of penetration, and 15 3/4" of ground clearance. The front set shall be mounted between the cab and bed, and the rear set shall be mounted at the rear of the body.

Comply Yes/No: _____

Trailer Hitch:

The unit shall have a Class 3 receiver-type hitch. The hitch shall be a frame-mounted (bolt-on) style. The hitch shall be mounted so the receiver will protrude through the rear bumper. Drawbars will be furnished by MDOT.

There shall be a flush-mounted 7-pin electrical connector (12-gauge wire with 10-gauge ground) on the rear bumper area. The vendor shall furnish a matching male connector with the unit.

Comply Yes/No: _____

Paint:

Truck chassis manufacturer's standard white. All other manufacturer's standard color.

Comply Yes/No: _____

ADDITIONAL REQUIREMENTS

Service:

Unit 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 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 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 days.

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):

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 (cd, flash drive, etc.) versions. One set of technical manuals shall be provided with each unit 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 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 SOQ.

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: _____

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NOTE:

The Mississippi Department of Transportation is exempt, by way of contractual purchases, from Regulation Eleven and the protections provided by the Mississippi Motor Vehicle Commission. A written notice, established by public hearing on April 21, 2010, at 10:00 a.m., is on file with the Mississippi Motor Vehicle Commission, 1755 Lelia Drive, Suite 200, Jackson, MS 39216.

As a second stage or "specialty vehicle" manufacturer, you are not required to hold a Mississippi Manufacturer or Dealers' License and if you choose, may sell the finished motor vehicle directly to the Mississippi Department of Transportation.

Acknowledge Yes/No: _____

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Vehicle Title or Certificate of Origin:

Assignment:

State of Mississippi/DFA – 941

Mailing address:

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

Acknowledge Yes/No: _____

Lienholder:

Upon award, **if** MDOT issues a **Notice to Proceed** instead of a **Purchase Order**, the vehicle is being purchased through the State's Master Lease Purchase Program, and the following shall be shown as the **1st Lienholder on the Title Application**:

U.S. Bank National Association
Attention: Jacqueline McNeil
6810 Crumpler Blvd., Suite 200
Olive Branch, MS 38654

Lienholder Number: 90018867500

Acknowledge Yes/No: _____