

Good To Go

CITY OF JACKSON  
INFRASTRUCTURE MANAGEMENT  
PUBLIC WORKS DEPARTMENT

BID SPECIFICATIONS:

40 ft working height aerial Telescopic/Articulating Bucket Truck

Yes \_\_\_ No \_\_\_

Please check Yes or No for each item listed below. Items checked Yes must meet minimum specifications. For all items checked No, please clearly note differences in proposed section. If additional space is needed, please use a separate sheet of paper. Failure to note exceptions will automatically make bid informal and non-binding.

40 ft working height aerial Telescopic/Articulating Bucket Truck. New and of current model equipped as advertised by manufacture comparable to meet or exceed following minimum specifications:

|               |                |                                 |
|---------------|----------------|---------------------------------|
| Front tires:  | Yes ___ No ___ | 225/70R X 19.5 All season       |
| Rear tires:   | Yes ___ No ___ | 225/70R X 19.5 All season       |
| Engine:       | Yes ___ No ___ | 7.3L turbo diesel or equivalent |
| Fuel Tanks:   | Yes ___ No ___ | 36 gallon fuel tank             |
| Transmission: | Yes ___ No ___ | Electronic 6-speed automatic    |
| Rear axle:    | Yes ___ No ___ | 13,500 lbs.                     |
| Front Axle:   | Yes ___ No ___ | 5,600 lbs                       |
| Cab to axle:  | Yes ___ No ___ | 84" cab to axle                 |
| Brake system: | Yes ___ No ___ | Air brake system anti-lock      |
| Drivers seat: | Yes ___ No ___ | Vinyl full bench seat           |
| Battery:      | Yes ___ No ___ | Dual 78 AH                      |
| Alternator:   | Yes ___ No ___ | 110 Amp alternator              |
| Paint:        | Yes ___ No ___ | White                           |

22 J.S.

**Miscellaneous:**

Yes ☐ No ☐

Engine block heater

Yes ☐ No ☐

Spare tire and wheel

Yes ☐ No ☐

Reverse warning audible alarm

Yes ☐ No ☐

Trim Package

Yes ☐ No ☐

Air Conditioning

Yes ☐ No ☐

Cab steps

Yes ☐ No ☐

AM/FM stereo with clock

Yes ☐ No ☐

Truck warranty, terms and conditions to be provided as a separate document

Yes ☐ No ☐

Three (3) copies of a brochure stating specifications of the truck chassis being offered to be included with this bid.

**Telescopic/Articulating Lift (Truck Mounted) Minimum Specifications:** Yes ☐ No ☐

General specifications are as follows:

Yes ☐ No ☐

Height to bottom of bucket to be minimum of 36 ft.

Yes ☐ No ☐

Working height to be a minimum of 40 ft.

Yes ☐ No ☐

Horizontal reach to be a minimum of 26 ft.

Yes ☐ No ☐

Stowed travel height to be a maximum of 10 ft.

Yes ☐ No ☐

Bucket capacity to be a minimum of 350 lbs.  
Weight of lift to be maximum of 2,100 lbs.

Yes ☐ No ☐

Minimum bucket load for vehicle stability:  
-- on level ground. 450 lbs.  
-- on 5 degree slope 400 lbs.

Bucket:

Yes ☐ No ☐

Fiberglass bucket to be approximately 26" x 26" x 39" deep enclosed with walk in access One man bucket to be rated at minimum of 350 lbs.

Stowed Bucket Support:

Yes ☐ No ☐

The stowed bucket support is to be located inside the bed of the utility body, and the support is to be spring loaded and positioned under the bucket with the bumper pad running in fore and aft direction.

Safety "D" ring:

Yes ☐ No ☐

Safety "D" ring, safety belt and lanyard attachment to be mounted at the upper boom tip.

Mechanical Bucket Leveling:

Controls:

Yes ☐ No ☐

Full feathering Joy Stick type controls are to be located at the bucket and pedestal to control rotation, upper and lower boom movements. The lower controls to be protected by a cover. A manual two speed throttle advance to be provided to increase the engine RPM when operating the boom. Hydraulic tool support will be available at the Bucket. Vehicle Start and stop switch will be located in the bucket and at lower control station.

Cylinders:

Yes ☐ No ☐

Both upper and lower cylinders to be externally threaded end cap design. Each to be equipped with double acting, integral holding valves to prevent creep and lock booms in position in the event of hose failure.

Hoses and Fittings:

Yes ☐ No ☐

Unit to be equipped with high pressure, non-conductive hoses. Hose protectors to be furnished where hoses might chafe and spacers to be located inside the boom to keep hoses away from leveling rods.

Electrical Insulation:

Yes ☐ No ☐

The upper fiberglass boom to have a minimum of 72" insulation gap in all positions. Fiberglass boom to be a minimum of 6" x 6" (inside dimension) fiberglass section, the upper boom articulates 190 degrees relative to the lower boom limited to 80 degrees from horizontal. Must meet ANSI A92.2 requirements.

Boom Assembly:

Yes ☐ No ☐

The lower boom reinforced steel box structure.

Yes ☐ No ☐

Upper Boom Assembly Telescopic with boom extension

**Lubrication:**

Yes ☐ No ☐

Non-lube bearings to be used at all points of motion. The rotation bearing and leveling system are the only components requiring lubrication.

**Painting:**

Yes ☐ No ☐

The complete unit is to be painted (white) prior to assembly.

**Torsion Bar:**

Yes ☐ No ☐

Chassis to be equipped with front and rear torsion bars.

**Emergency Power:**

Yes ☐ No ☐

The system to consist of a hydraulic pump driven by a 12 volt DC motor, which is powered by the truck engine batteries and activated by an air cylinder at the bucket and a toggle switch at the lower control station. This system is to provide operation of all functions.

Warranty terms and conditions of the aerial device to be provided as a separate document.

Three (3) copies of a brochure stating specifications of the aerial device being offered to be included with this bid.

Two copies of a parts / service manual covering the aerial device being offered to be provided by the successful vendor at the time of delivery of the completed unit.

**Utility Body Minimum Specifications.**

Yes ☐ No ☐

Yes ☐ No ☐

Body length to be approximately 132 inches.

Yes ☐ No ☐

Dual wheel chassis with 84 inch cab-to-axle

Yes ☐ No ☐

Welded construction of 14-gauge steel body shell.

Yes ☐ No ☐

Compartments on both sides of utility body.

Yes ☐ No ☐

Vertical compartments to have two (2) adjustable shelves with removable dividers.

Yes ☐ No ☐

Horizontal compartments to have one (1) adjustable shelf with removable dividers.

Yes ☐ No ☐

Compartments equipped with locks keyed alike.

Yes ☐ No ☐

Compartment tops to be overlaid with 12-gauge safety-tread plate.

Yes ☐ No ☐

Automotive bulb-type neoprene door seals on all doors.

Yes ☐ No ☐

Doors are to be fitted with paddle activated, rotary style latches and adjustable striker rings.

Yes \_\_\_\_ No \_\_\_\_

Double spring overcenter door closures on all vertical doors.

Yes \_\_\_\_ No \_\_\_\_

Shelving to have a minimum of 250 lbs capacity and be constructed of 18 gauge bright spangled galvanized steel.

Yes \_\_\_\_ No \_\_\_\_

Interior light guards to be provided to protect recessed lights and wiring harnesses.

Yes \_\_\_\_ No \_\_\_\_

Utility body floor to be constructed of 12 gauge treadplate with 1-3/8" return flange on each side.

The following equipment to be provided:

Yes \_\_\_\_ No \_\_\_\_

Heavy-duty step type rear bumper.

Yes \_\_\_\_ No \_\_\_\_

Ladder with hand rail for bucket access

Yes \_\_\_\_ No \_\_\_\_

Spare tire carrier

Yes \_\_\_\_ No \_\_\_\_

Bucket support (spring loaded) to be located in cargo area under bucket.

Yes \_\_\_\_ No \_\_\_\_

Front boom rest to support booms in transit.

Yes \_\_\_\_ No \_\_\_\_

Recessed lights and reflectors must meet all FMVSS requirements

Yes \_\_\_\_ No \_\_\_\_

Subframe and under body to be undercoated.

Yes \_\_\_\_ No \_\_\_\_

Fiberglass Bucket covers that seals and prevents rainwater from collecting in bucket.

Utility body warranty, terms and conditions to be provided as a separate document.

Three (3) copies of a brochure, stating specifications of the utility body being offered to included with bid.

Training of Traffic Engineering Personnel (15 People) on the operation of the vehicle and aerial bucket will be provided inside the City of Jackson within 15 days of delivery.

Training of the City Garage staff on the operation and repair on the aerial bucket will be provided inside the City of Jackson within 15 days of delivery.

Three service manuals will be provided for the Aerial bucket.

Price will be F. O. B. Jackson Mississippi

**Warranty:**

Yes \_\_\_\_ No \_\_\_\_

Engine and Drive Train to have a five year warranty each

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