

City of Jackson
KNUCKLE BOOM CHASSIS
35,000 GVW

**BIDDER SHALL COMPLETE BY CHECKING THE FOLLOWING.
 IF NOT COMPLIANT, STATE SPECIFICALLY ITEM BEING OFFERED.**

The following are the suggested minimum specifications for one (1) new 2019 model Knuckle Boom Truck(s) All bids must be equal in performance and quality pursuant to the bid specifications below, which are not intended to exclude any manufacturer's standard deviation. Any reference to manufacture's make or series of equipment stated in the following specifications is intended only to establish an acceptable standard and is not intended to limit the bidding. The City of Jackson is acting under the authority of Section 31-7-13, Miss. Code of 1972 Amended, and reserves the right to reject any and all bids.

YES NO OFFERED

VOCATIONAL DIMENTIONS

Wheelbase and CA must be verified by the City of Jackson to accommodate existing body _____

New 2019 unused conventional cab _____

ENGINE & EQUIPMENT

325 HP Engine or greater _____

750 lb/ft Torque or greater _____

7 Liter engine or greater _____

Air Compressor 18.7 CFM or greater _____

Dry-type firewall mounted air cleaner with filter restriction indicator _____

2-Speed fan hub _____

1000 sq/in Cooling module or greater _____

Radiator bug screen front of grille _____

Single vertical SOC tailpipe, RH with DPF/SCR right side under cab _____

Curved tailpipe _____

Fleetguard filter/water separator _____

Engine block heater (120 volt minimum) _____

160 AMP Alternator _____

Three (3) batteries – 2100-2190 CCA dual purpose _____

12-Volt light system with circuit protection _____

J.S. 22

12-Volt Starter _____

Multi-function engine connector for body builder _____

Body builder harness to end of frame _____

TRANSMISSION & EQUIPMENT

Allison 3500 RDS 6-speed automatic transmission _____

Heat exchanger _____

Oil level sensor _____

Transmission PTO Rear Support Spring(s) _____

3 Standard duty drivelines, 2 centerbearing _____

Torque converter _____

Park brake auto neutral _____

FRONT AXLE & EQUIPMENT

13.2k or greater front axle, Dana Spicer or equal Meritor Brand _____

14,600 lb. Air brake package or greater _____

16 1/2" x 5" Cast drum brakes or equivalent _____

Aluminum 10-bolt hub pilot LMS hubs with hub caps _____

Front oil seals _____

Front slack adjusters _____

13.2k or greater Taperleaf front springs _____

Front shock absorbers _____

Single gear power steering 13.2 or greater _____

REAR AXLE & EQUIPMENT

23,000 lb. Rear axle, Dana S23-170 or Meritor equal _____

Rear axle ratio: 5.57 or greater _____

23,000 lb. Air brake package or greater _____

16 1/2" x 7" Cast drum brakes _____

Rear slack adjusters _____

Rear oil seals _____

Single spring brake 3030 high output _____

Bendix 4S/4M Anti-lock brake system _____

23,000 lb. Multileaf suspension, REYCO 79KB or equal _____

TIRES & WHEELS

Front tires: Two (2) 11R22.5 14-Ply _____

YES NO OFFERED

- Rear tires: Four (4) 11R22.5 14-Ply _____
- Front wheels: Two (2) 22.5x8.25 Heavy duty, 5 hand-hole hub pilot mount, powder coat _____
- Rear wheels: Four (4) 22.5x8.25 5 hand-hole hub pilot mounted, powder coat Steel _____

FRAME & EQUIPMENT

- 10 5/8" x 3 1/2" x 5/16" Steel frame with full steel insert (for durability purposes) _____
- 2,925,000 RBM or greater _____
- 120,000 PSI Yield steel _____
- Section modulus: 14.8 in³ _____
- Aerodynamic bumper, painted _____
- Two removable front tow hooks _____

FUEL TANK(S) & EQUIPMENT

- 56 Gallon aluminum fuel tank or greater _____
- 11 Gallon DEF tank; RH mount _____

CAB & EQUIPMENT

- Aluminum fully huck-bolted cab or Steel Cab _____
- Aluminum bulkhead doors or the equivalent in steel for durability purposes _____
- Single electric horn _____
- Heater with integral defroster and A/C _____
- Adjustable telescoping tilt steering column _____
- Dash mounted air filter restriction gauge _____
- Transmission oil temperature gauge _____
- Speedometer _____
- Tachometer _____
- Fuel gauge _____
- Engine coolant temperature gauge _____
- Engine oil pressure gauge _____
- Voltmeter _____
- Engine hour meter _____
- Primary and secondary air restriction gauges _____
- DEF fluid level gauge _____
- Air driver seat _____
- Rider Seat: Tool box seat or equivalent _____
- AM/FM/WB/USB/BT Radio _____

YES NO OFFERED

Cab access grab handles, LH & RH	<input type="checkbox"/>	<input type="checkbox"/>	_____
Daylight doors with RH pee	<input type="checkbox"/>	<input type="checkbox"/>	_____
Air horn; LH top of room mount	<input type="checkbox"/>	<input type="checkbox"/>	_____
Heated mirrors	<input type="checkbox"/>	<input type="checkbox"/>	_____
Manual LH and electric RH door window	<input type="checkbox"/>	<input type="checkbox"/>	_____
Dual halogen headlights	<input type="checkbox"/>	<input type="checkbox"/>	_____
Roof mounted marker lights	<input type="checkbox"/>	<input type="checkbox"/>	_____
Fender mounted turn signal lights	<input type="checkbox"/>	<input type="checkbox"/>	_____
Circuit breakers replacing all but 5-amp fuses	<input type="checkbox"/>	<input type="checkbox"/>	_____
Bendix AD-IS air dryer, heated; mounted LH rail back of cab	<input type="checkbox"/>	<input type="checkbox"/>	_____
Moisture drain valve with pull cable drain	<input type="checkbox"/>	<input type="checkbox"/>	_____
PAINT			
Color: Dark Camel	<input type="checkbox"/>	<input type="checkbox"/>	_____

Additional Requirements:

Towing Package:

Full Truck kit: Must include gladhands mounted at the end of frame, Seven- way receptacle mounted at the end of frame, valve hoses/fittings, dash mounted air supply valve, dash mounted parking brake valve, and spring brake inversion. Additionally, Trailer ABS electric supply through SAE J560.

Extended Warranty:

All bids must state warranty coverage, which will be a factor used in determining the lowest and best bid. All warranties below should be included in the bid price.

1. *An extended 5- year/100,000-mile powertrain warranty that reflects the Engine, Transmission, and Aftertreatment(Emissions) warranty.*
2. *5-year/100,000-mile base vehicle coverage that covers all major components on the truck.*
3. *5-year/100,000-mile towing plan for powertrain warranty failure.*
4. *Winning bidder must furnish a detailed listing of warranty coverage offered.*