

DEMOPOLIS CITY BOARD OF EDUCATION

2020 Type "C" School Bus Bid

The Demopolis City Board of Education will be receiving bids for the following:

SCOPE:

(1) or more 2020 model or newer, Type "C" 72 passenger bus.

Wheelbase minimum of 259"

Additional buses may be purchased for a period of up to 5 years, with a 2% increase years 3, 4 and 5, if buyer and seller agree.

Delivery to the bus shop must be included in price.

Alternate bids will not be considered.

Exceptions must be taken where manufacturer is unable to provide specified components. Prior-approved equals will not be allowed. Exceptions must be clearly worded to provide system with distinct difference in specified component. All exceptions will be considered.

The Demopolis City Board reserves the right to award this bid on factors other than low price, including: past performance of dealer, proven ability to support the product bid and parts compatibility with existing fleet. The Demopolis City Board also reserves the right to use a *Life Cycle Costing Analysis* to determine the best overall value offered by each vendor.

QUALITY ASSURANCE

In an effort to assure high quality in all areas of the manufacturer's customer and product systems, fit and finish, parts sourcing and availability and service processes, Demopolis City requires that the manufacturing facility of product bid meet the worldwide quality assurance programs of ISO9001. Please provide a copy of the ISO9001 certification with the bid.

UNITS MUST MEET OR EXCEED ALL FEDERAL AND STATE SPECIFICATIONS FOR SCHOOL BUSES.

CHASSIS DATA:

1. Brakes: Air brake compressor to be 18.7 CFM; 5" Front and 7" Rear.
Exception: _____
2. Alternator: 270 amp minimum; pad-mounted.
Exception: _____
3. Axles/Suspension: Front - 10,000 lbs; Rear - 21,000lbs.minimum; rear air-ride.
Exception: _____

4. Radiator: Aluminum; coolant fully-formulated with Penray Technology, pre-charged with SCAs at -34 degrees, phosphate-free.
Exception: _____
5. Engine: Cummins, 6.7L ISB, 220 H.P. 600 ft. lbs. torque.
Exception: _____
6. Transmission: Allison PTS 2500 6-speed with LBSS; first fill at factory with Transynd fluid; seven year warranty.
Exception: _____
7. Drive Line: Spicer "Lube for Life"; dynamically balanced.
Exception: _____
8. Fuel tank: 100 gallons; mounted between the frame rails; locking fuel door.
Exception: _____
9. Instrument Panel: Gauges to include cruise control, speed, rpm, resettable trip A and B, voltmeter, dual low air gauges with warning light and buzzer, tachometer, hour meter, ambient air temperature with black ice warning at 34 degrees; instrumentation panel to provide diagnostic capabilities for body and chassis electrical system; digital fault codes must be displayed in dash.
Exception: _____
10. Exterior Lights: Long life halogen headlights; 85% daytime running lights; auto headlight sensor at dawn/dusk and activated with windshield wipers; shade covers over amber and red lights unless flush-mounted; all eight-way warning lights serviceable with replaceable diodes; armored clearance and cluster lights; reflectors applied with mechanical fasteners; reverse lights activate when emergency door opens.
Exception: _____
11. Tires: Hankook or equal, 11R x 22.5, 14-ply radials.
Exception: _____
12. Wheels: Bud-type, hub-pilot, 22.5" x 8.25" steel, front and back; painted black.
Exception: _____
13. Steering Column: Tilt and telescoping.
Exception: _____
14. Tow hooks: Front and rear; mounted to frame rails.
Exception: _____
15. Hood: Less than 15 lbs. of opening effort.
Exception: _____
16. Batteries: 1900 CCA; two (2) Group 31; stainless steel battery tray with roller ball bearings.
Exception: _____
17. Battery Box: Master cutoff switch and petcock drain valves located under battery box; locking battery box door.
Exception: _____

18. Indicators: Low oil pressure/high coolant temperature light and audible alarm and oil pressure cut off when oil pressure gets too low.
Exception: _____
19. Filters: Spin-on coolant filter to help regulate the SCA's in the coolant; coolant filter and fuel water separator both located in the engine compartment.
Exception: _____
20. Ignition: All units keyed alike.
Exception: _____
21. Service: On-site service truck and engine-certified technician to perform on-site warranty work.
Exception: _____
22. Windshield: One-piece bonded, curved, and slanted to reduce glare and improve visibility for safety.
Exception: _____
26. Electronic Stability Control: SmartTrac electronic stability control to increase safety.
Exception: _____

BODY DATA:

1. Rub Rails: Four (4) applied rub rails on each side attached with sheet metal screws; painted black; rubber fenders or metal fenderettes.
Exceptions: _____
2. Flooring: Heavy duty black vinyl floor covering under seats; plywood flooring, screwed down; molded rubber over wheel housing.
Exception: _____
3. Headroom: 78" min. at the aisle; dual rows of LED dome lights mounted in the ceiling; driver's dome light.
Exception: _____
4. Insulation: A minimum of 2" thick blanket-type polyester insulation mounted in the ceiling; sound-deadening, perforated acoustical panels in the driver's vestibule area and first window section.
Exception: _____
5. Heaters: 90,000 BTU front heater/defroster; 50,000 BTU rear under seat heater, equipped with a kick guard; both filters to be washable.
Exception: _____
6. Fans: 6" fan mounted over driver's window above driver.
Exception: _____
7. Driver's seat: Air ride, vinyl with black cloth inserts; LH and RH side armrest attached to the driver's seat.
Exception: _____

8. Passenger Seats: Tapered seat backs for ease of loading/unloading and evacuation (meets FMVSS 224); gray color; fire resistant material.
Exception: _____
9. Paint: All paint heat-cured, including base, trim and roof; baked-on black powder coating for all seat frames, heaters, and heater ducts; black window frames.
Exception: _____
10. Stop Arm/Crossing Arm: Air operated; crossing arm operating mechanism mounted behind the front bumper for protection; both must activate with Pre-Trip Light Test.
Exception: _____
11. Exterior mirrors: Outside rearview to be Rosco-style heated and remote controlled, encased in black plastic; cross view mirrors to be heated Rosco "Hawk Eye" 11" x 13", oval shape with tinted upper lens to reduce glare; heated mirrors with a 15-minute timer; all wiring hidden in mirror brackets for protection.
Exception: _____
12. Build of Materials: Body and chassis specific line-setting ticket with a complete list of parts by quantity, parts number, and description included with each bus in order to accurately facilitate parts replacement; two parts and service manuals required per group of buses ordered.
Exception: _____
13. Keys: All locks keyed alike.
Exception: _____
14. Entrance Door: Air-operated; door switch backlit for optimal visibility; service door exterior pull to assist with opening and closing.
Exception: _____
15. Zonar V3 Telematics Control Unit with Track/Trace/Idle/Diagnostic/Service capabilities: Hardware only; factory installation preferred for complete bus diagnostics of body and chassis fault codes, idle time, fuel consumption/reporting, and hard braking.
Exceptions: _____
16. Emergency Exits: Low profile roof hatches; push-out windows to open on a vertical hinge.
Exception: _____
17. Child Alert System: Activated with eight-way warning lights; horn should sound if an attempt to exit bus is made before the driver walks to rear of the bus to deactivate the system.
Exception: _____
18. Video Surveillance System: AngelTrax Vulcan V5SD with 128GB SD card and four (4) cameras; one (1) camera mounted in front bulkhead, one (1) camera mounted in rear bulkhead, one (1) camera mounted over driver's compartment/stairwell area, and one (1) camera mounted mid-bus.
Exception: _____
19. Overhead Storage: Storage compartment over driver's window to house video system.
Exception: _____

- 20. Pre-Trip Light Inspection System: Systematically powers all lights simultaneously while driver performs pre-trip inspection; activates stop arm, crossing arm and horn.
Exception: _____
- 21. Electrical System: Fully-integrated multiplex system (both body and chassis); only one diagnostic point for both body and chassis, located beneath dash; all available circuits protected by a combination of solid-state technology and fuses.
Exception: _____
- 22. Lower Side Skirts: *Quick Change* replaceable design; installed with threaded fasteners.
Exception: _____
- 23. Roof bows: One piece, extending just below floor line with a cross section modulus of .22 cubed; accomplished with bow or rafter insert if needed.
Exception: _____
- 24. Body-Mounting: Two (2) bolts at each mounting bracket to prevent shifting; rubber mounting pads reinforced with fiber to cushion the body on the chassis at every floor member; held in place permanently with mechanical fasteners.
Exception: _____
- 25. Air Conditioning System: 126,000 BTU **MCC AC ONLY** with Dash Air; Front and Rear In-Wall Evaporators; (2) CM-3 Skirt-Mounted Condensers; factory-installed during the vehicle building process.
Exception: _____

WARRANTY DATA

WARRANTY CERTIFICATES MUST BE INCLUDED WITH BID.

- Engine: 5 years/100,000 miles _____
- Bumper to Bumper: 3 years/50,000 miles
(Body and Chassis) _____
- Drivetrain: 4 years/unlimited mileage _____
- Transmission : 7 years/unlimited mileage _____
Includes:
Electronic components (5 year towing) _____
Transynd Fluid at initial fill at factory _____
- Towing (other than engine and transmission): 6 months _____
- On-Site warranty work response within 72 hours of call _____

Demopolis City Board of Education

The Demopolis City Board of Education reserves the right to accept or reject all bids or select any bid for whatever reason it deems necessary and reasonable, and the right to waive any bids due to formalities.

Price per unit delivered: \$ _____

Delivery Date: _____

Company name: _____

Address: _____

Phone number: _____ Fax: _____

Authorized Signature: _____

Print name: _____