



**BESSEMER CITY SCHOOLS
BOARD OF EDUCATION**

**REQUEST FOR BIDS (RFB)
BID# BCS-2021-315-1**

Sealed bids will be received by the Finance Department, Bessemer City Board of Education, 1621 5th Avenue North, Bessemer, Alabama 35020-5736 until **Tuesday, March 15th, 2022 @ 12 noon.**

The sealed bids will be opened and read publicly, **Tuesday, March 15th, 2022, at 5:30 p.m. in the Boardroom at Bessemer Board of Education** for

One (1) or more 2024 model or newer, Type "C" Special Need School buses

Return the entire completed proposal to:

**Finance Department
Attn: Patricia Stewart**
Bessemer City Board of Education
1621 Fifth Avenue North
Bessemer, Alabama 35021

IT IS THE RESPONSIBILITY OF THE PROSPECTIVE BIDDER TO MAKE CERTAIN THAT THE BIDS ARE RECEIVED IN THE FINANCE DEPARTMENT BEFORE THE SCHEDULED BID OPENING. ANY BIDS RECEIVED AFTER THE DESIGNATED DATE AND TIME, WILL NOT BE CONSIDERED. BIDDER MUST USE THIS FORM AND RETURN IN ITS ENTIRETY. *DO NOT RETURN SHEETS WHICH ARE "NO BID"*

Outside of your bid envelope must be marked with the Bid number, date and time of bid opening, General Contractor's license number, if applicable (US MAIL, FEDERAL EXPRESS, UPS, ETC.).



SCOPE:

(1) or more 2024 model or newer, Type “C” Special Need school bus.

Additional buses may be purchased for a period of up to 5 years, if buyer and seller agree, with an allowable price increase of up to 2% in years 2, 3, 4, and 5. Any increase in price must be supported with dealer/manufacturer provided documentation.

Delivery to the bus shop must be included in the price.

Alternate bids will not be considered.

Exceptions must be taken where the manufacturer is unable to provide specified components. PRIOR APPROVED EQUALS WILL NOT BE ALLOWED. Exceptions must be clearly worded to provide distinct differences in specified components. All exceptions will be considered.

The Bessemer 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, fleet and parts compatibility with existing fleet. The Bessemer 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, Bessemer 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 CURRENT FEDERAL AND STATE SPECIFICATIONS FOR SCHOOL BUSES.

CHASSIS DATA:

1. Brakes: Air brake compressor 18.7 CFM; 5" Front and 7" Rear.
Exception: _____
2. Alternator: Leece-Neville 270 amp minimum; pad-mounted.
Exception: _____
3. Axles: Front 10,000 lbs.; Rear 21,000 lbs. minimum; oil-lubricated bearings on front axle.
Exception: _____
4. Suspension: Front - springs, 10,000 lbs.; Rear - air ride 23,000 lbs.
Exception: _____
5. Radiator: Aluminum; coolant fully-formulated with Penray Technology, pre-charged with SCAs at -34 degrees; phosphate-free.
Exception: _____
6. Engine: Cummins, 6.7L ISB, 220 H.P. 600 ft. lbs. torque; integral exhaust brake, activates brake lights when engaged; 750-watt block heater, receptacle mounted in front bumper.
Exception: _____
7. Transmission: Allison PTS 2500 6-speed; first fill at factory with Transynd fluid; seven-year warranty.
Exception: _____
8. Fuel tank: 60 gallons; mounted between the frame rails; locking fuel door.
Exception: _____
9. Instrument Panel: Cruise control, speedometer, 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: Bridgestone 255/70R 22.5, 16-ply radials.
Exception: _____
12. Wheels: Unimount, 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. Wheelbase and Wheel Cut: Wheelbase to be a minimum of 198" and maximum of 200" with a minimum 55-degree wheel cut for tightest possible turning radius.
Exception: _____
16. Hood: Less than 15 lbs. of opening effort. Mounting to include shocks.
Exception: _____
17. Batteries: 1900 CCA; (2) Group 31; maintenance-free; stainless steel battery tray with roller ball bearings; locking battery box door. Battery tray to be mounted to chassis frame.
Exception: _____
18. Radio: AM/FM/Weatherband Radio with 6 speakers. Radio must default to "mute" when transmission is placed in reverse. PA system must be equipped to work in unison with the radio.
Exception: _____
19. Air Drain Valves: Humphrey air drain valves activated by **single dash** mounted momentary switch; three air solenoid valves; switch only activates valves when ignition is off and parking brake is engaged.
Exception: _____
20. Indicators: Low oil pressure/high coolant temperature light and audible alarm and oil pressure cut off when oil pressure gets too low.
Exception: _____
21. 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: _____
22. Ignition: All units keyed alike.
Exception: _____
23. Service: On-site service truck and dedicated engine-certified **field technicians** to perform on-site warranty work within 72 hours of request.
Exception: _____
24. Electronic Stability Control. **NO EXCEPTIONS**
25. Windshield: One-piece windshield bonded for strength and insulation. Curved and slanted to reduce glare, reduce damage from road debris, and improve visibility for safety. Multi-sectioned, roped in/kick-out style windshields not acceptable.
Exception: _____
26. Charge Air Cooler: Cooler pipe to be stainless steel for increased durability and corrosion protection.
Exception: _____
27. After treatment: DEF Header to be SSI Technologies part number 34855.6 with 11.5-gallon tank. DEF Header to be operational at temperatures ranging between -40C to 85C.
Exception: _____

28. Exhaust System: Heat-reducing mitigator device located at the end of the exhaust system, exiting out the rear left side of the bus, underneath the bumper; cools exhaust temperatures by approximately 200 degrees. No exhaust to exit through the rear bumper.
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. Windows Frames: Nylon frames, black in color, maintenance free to prevent misalignment when opening and closing.
Exception: _____
3. Flooring: Heavy duty black vinyl floor covering under seats; 5/8" plywood flooring, screwed down; molded rubber over wheel housing.
Exception: _____
4. Headroom: 78" min. at the aisle; dual rows of LED dome lights mounted in the ceiling along the aisle; driver's dome light.
Exception: _____
5. 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 **ONLY**. Remaining panels to be smooth/non-perforated.
Exception: _____
6. 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: _____
7. Fans: 6" fan mounted over driver's window above driver.
Exception: _____
8. Driver's seat: Air ride, vinyl with black cloth inserts; LH and RH side armrests attached to the driver's seat; console to left of driver not acceptable as armrest.
Exception: _____
9. Passenger Seats: Left side to be 7 total 39"seats. First two seats to be equipped with dual ICS. Last two seats to be S.T.A.R.S. removable seats or track mounted. Right side to be 6 total 30"seats. First two seats to be equipped with single ICS. Last two seats to be S.T.A.R.S removable seats or track mounted. **ALL** seats to equipped with (2) lap/shoulder belts. Seat covers to be gray fronts with black anti-vandal backs.
Exception: _____
10. Wheelchair Track: Left side to have two rear wheelchair positions. Right side to have one rear wheelchair position located forward of rear lift. Floor track for each wheelchair position to be 13" segments or continuous. Window track to be 6" segments or continuous. Two sets of Sure-Lok Titan 800 series meeting ALSDE minimum specifications.
Exception: _____
11. Wheelchair Lift: Braun Century series model NCL919FIB-2 located in rear.
Exception: _____

12. 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: _____

13. Stop Arm/Crossing Arm: Electric operated; crossing arm operating mechanism mounted behind the front bumper for protection; both must activate with Pre-Trip Light Test.
Exception: _____

14. 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: _____

15. 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: _____

16. Keys: All locks keyed alike.
Exception: _____

17. Clearance and Marker Lights: All side marker and clearance lighting to be flush-mounted LED pin style lights.
Exception: _____

18. Grab Rails: Entrance grab rails on each side of entryway. Both to be powder coated yellow for improved visibility and durability.
Exception: _____

19. Entrance Door: Electric; door switch backlit for optimal visibility; service door exterior pull to assist with opening and closing.
Exception: _____

20. Vandal Locks: Both entry door and rear emergency exit door to be equipped with vandal locks. Rear door lock must work in conjunction with ignition interrupt and operation of the bus.
Exception: _____

21. Zonar V3 Telematics Control Unit with Track/Trace/Idle/Diagnostic/Service capabilities: Hardware only; factory installation for complete bus diagnostics of body and chassis fault codes, idle time, fuel consumption/reporting, and hard braking.
Exceptions: _____

22. Driver Seat Belt Alarm: Activation produces a pulse output to a designated ICU lamp, and a constant signal to the Seat Belt Alarm. When active, the alarm will repeat in English, "Please Fasten Your Seat Belt" in addition to the pulse.
Exceptions: _____

23. Emergency Exits: Transpec low profile roof hatches; push-out windows to open on a vertical hinge.
Exception: _____

24. Child Alert System: Activated with eight-way warning lights; horn sounds if an attempt to exit bus is made before the driver walks to rear of the bus to deactivate the system.
Exception: _____
25. Video Surveillance System: Provision camera system comprised of 5 interior cameras, one of which to be a windshield facing traffic camera. Placement to be determined by Bessemer City Schools Transportation Director.
Exception: _____
26. Overhead Storage: Storage compartment over driver's window to house video surveillance system.
Exception: _____
27. Pre-Trip Light Inspection System: Systematically powers all lights simultaneously while driver performs pre-trip inspection; activates stop arm, crossing arm and horn.
Exception: _____
28. 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: _____
29. Lower Side Skirts: "Quick Change" replaceable design installed with threaded fasteners.
Exception: _____
30. 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: _____
31. Trash Can: Polypropylene trash bin, 13 quarts, mounted below dash to floor at the toe board area. Must be held in place with two rubber straps with clips to prevent movement during transit.
Exception: _____
32. 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: _____
33. Two Way Radio Support: Bus to be pre-wired with coax and 12V power supply to support a customer supplied two-way radio.
Exception: _____
34. Cup Holder: Cup holder mounted in the center console, just under the controls for the dash HVAC controls. Two cup holder positions to be provided.
Exception: _____
35. Air Conditioning System: 126,000 BTU; dual TM-21 compressors; dual in-wall evaporators, mounted in front and rear bulkhead; Skirt-mounted condensers; independent dash A/C plumbed and vented through the dash; driver cooling vent not acceptable as dash air; **MCC/Carrier only**; factory-installed during the bus assembly process. A/C warranty to be covered by body manufacturer.
Exception: _____

WARRANTY DATA

Warranty minimums must be as follows and warranty certificates must be included with bid:

<u>Coverages</u>	<u>Exception</u>
Bumper to Bumper: 3 years/50,000 miles (Body and Chassis)	_____
Engine: 5 years/100,000 miles	_____
Transmission: 7 years/unlimited mileage Includes: Electronic components (5-year towing)	_____
Towing (other than engine and transmission): 6 months	_____

Bessemer City Board of Education

The Bessemer 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: \$ _____

Delivery Time Frame: _____

Company Name: _____

Address: _____

Phone Number: _____

Email Address: _____

Authorized Signature: _____

Print Name: _____