

CEDAR RAPIDS COMMUNITY SCHOOL DISTRICT  
Purchasing Department  
2500 Edgewood Rd NW  
Cedar Rapids, Iowa 52405

SEPTEMBER 2022

**BID REQUEST – QUANTITY FIVE (5) SEVENTY-TWO (72) PASSENGER SCHOOL BUSES**

The Purchasing Office of the Cedar Rapids Community School District requests your bid on the attached equipment specification – Five (5) Seventy-two (72) Passenger School Buses. Manufacturer and model numbers are listed to establish quality level and model type. This is not to indicate a restricted bid.

The Purchasing Office and/or Board of Directors reserve the right to reject any and all bids or any part thereof, and to waive informalities and to enter into such contract or contracts as shall be deemed in the best interest of the Cedar Rapids Community School District, in the County of Linn, State of Iowa.

Bids are due in the Purchasing Office, 2500 Edgewood Rd NW, Cedar Rapids, Iowa 52405 no later than **10:00 AM CST on Tuesday, September 27, 2022**. Do not include Federal or State Tax in prices submitted.

Place bids in an opaque envelope marked “**Bid - School Buses – 2022-2023.**”

Bids are to be addressed to:

Mrs. Carissa Jenkins, Manager of Purchasing  
Cedar Rapids Community School District  
Purchasing Department  
2500 Edgewood Rd NW  
Cedar Rapids, Iowa 52405

Questions regarding this bid direct via email to:

Kathy Kinley, Purchasing Manager Secretary  
Email: [kkinley@crschools.us](mailto:kkinley@crschools.us)

**GENERAL CONDITIONS**

1. Return one copy of bid document, showing bid items giving unit price and total price as requested.
2. Give earliest delivery date. Delivery date will be taken into consideration when awarding bid.
3. It is a requirement of these specifications that any unit being proposed to be delivered by the vendor if awarded the contract, be demonstrated at the Cedar Rapids Community School District or its representatives be transported to a location agreed on by both parties to view the demo prior to the time of the bid closing. The basic unit, chassis and body, must be the same as the unit being bid but the options and accessories need not be identical to the specifications.
4. Complete descriptive literature must be furnished with bid.
5. All prices will remain in effect in event additional orders are placed prior to actual shipment of bid items.
6. Cooperative Bidding: Other governmental agencies or departments within the state of Iowa may be extended the opportunity to purchase off this bid or proposal with the agreement of the successful vendor(s) and notification to the Purchasing Department, Cedar Rapids Community School District (phone 319-558-3252).
7. **PAYMENT WILL BE AFTER ON SITE DELIVERY OF THE VEHICLES, INSPECTION OF THE VEHICLES AND FINAL APPROVAL OF THE VEHICLES BY THE CEDAR RAPIDS COMMUNITY SCHOOL DISTRICT.**

**A pre-bid meeting with all interested vendors will be held at 1:00 PM CST on Monday, September 19, 2022 in the purchasing conference room located in the ELSC, 2500 Edgewood Road NW, Cedar Rapids, Iowa 52405. The meeting is optional for vendors but strongly recommended.**

Any company that desires not to bid at this time and wishes to remain on the School District mailing list, should notify the Manager of Purchasing to that effect. Otherwise, any company not submitting a bid may be removed from the mailing list for types of items listed on this bid.

**ITEM 1 - SPECIFICATIONS - FIVE (5) SEVENTY-TWO (72) PASSENGER BUSES**

Compliance with the legal requirements, minimum standards and regulations for construction of School Transportation Equipment of Division of Transportation, State Department of Public Instruction, State of Iowa, should be current.

<b><i>YEAR, MAKE, MODEL</i></b>	2024 or newer conventional 72 passenger, all in one unit.
<b><i>ENGINE</i></b>	Propane power with the following specifications or equivalent: 7.3 L V8 350 HP 468 ft. of torque minimum 5 yr./unlimited mileage warranty, minimum, on engine, fuel system and fuel tank. Engine must meet EPA 2021 emissions requirements. Please specify if updated.
<b><i>ENGINE FAN</i></b>	Engine fan clutch – electric or air activated.
<b><i>ALTERNATOR</i></b>	12 volt, 240 amperes minimum
<b><i>OIL &amp; AIR FILTER</i></b>	Oil filter - full flow - disposable; air cleaner - dry type with restriction indicator
<b><i>FUEL SYSTEM</i></b>	93 gallon usable fuel tank with barrier. Fuel filter - pre-lift pump with water/fuel separator in fuel line.
<b><i>EXHAUST SYSTEM</i></b>	Single 3” OD Transitioning to 4” OD at muffler, 14 gauge aluminized steel with band clamps at joints.
<b><i>TRANSMISSION</i></b>	Ford or Allison PTS 2500 electronic automatic 6 forward speeds and 1 reverse speed. <b>Must include extended warranty information with the bid document.</b> Propane alternative: 6 speed, automatic with temp gauges, 5-year warranty minimum
<b><i>SOFTWARE &amp; DATA LINK FOR ENGINE &amp; TRANSMISSION</i></b>	Successful bidder will supply required software and data link at no additional cost to the buyer. Roush preferred.
<b><i>FRONT AXLE</i></b>	12,000 lb. Capacity
<b><i>CAPACITY; WHEELBASE; BODY MODEL</i></b>	Capacity: 72 Wheelbase: 273” min., please specify Body model: conventional
<b><i>REAR AXLE</i></b>	23,000 lb. minimum Capacity, single speed with 6.17 gear ratio. Please specify.
<b><i>BATTERY</i></b>	Three (3) group 31 batteries 1140 CCA, mounted in a side mounted battery compartment.
<b><i>PARKING BRAKE</i></b>	Air operated MGM Piggy Back, spring back.
<b><i>FRAME</i></b>	One-piece frame rail
<b><i>HORN</i></b>	Dual electric horns
<b><i>INSTRUMENTS</i></b>	Speedometer/odometer/tachometer, High beam indicator, oil pressure and water temperature.

<b>LIGHTS</b>	Exterior LED lighting to meet Federal and State of Iowa laws and regulations. Interior incandescent lighting. Please provide option for LED lighting. Passenger compartment; Specify number of rows of lights. Driver's lamp on separate switch. Must meet state and federal regulations.
<b>SHOCK ABSORBERS</b>	Front and rear double action piston type absorber.
<b>SUSPENSION</b>	Front: 12,000 lb. Capacity Rear: Air-ride suspension
<b>STEERING</b>	Integral power steering – tilt & telescoping wheel.
<b>HEATER VALVE</b>	Cutoff valve for heaters located near engine.
<b>BLOCK HEATER</b>	750-watt engine block heater
<b>TOW HOOKS</b>	Front: two (2) Rear: two (2)
<b>BUMPERS</b>	One piece, die formed, ribbed - front and rear, with Armor bumper and coated bolts.
<b>AIR INTAKE/ROOF</b>	2 dual purpose roof ventilators
<b>EMERGENCY HATCH</b>	Emergency exits located front and rear with outside handle and alarm switch. Must be able to ventilate. Equal to Spheros. Please specify.
<b>BATTERY COMPARTMENT</b>	Non-keyed self latching door
<b>INTERIOR COLOR</b>	Black seat frames, black floor covering, black heaters, silver trim. If different, please specify.
<b>SEAT COVERINGS/COLORS</b>	Blue
<b>EXTERIOR COLOR</b>	National School Bus Yellow with black trim and bumpers. White roof within six (6) inches of drip rail.
<b>ENTRANCE DOOR</b>	Outward opening entrance type door - air operated. Keyed lock.
<b>GRILL COVER</b>	Winter cover and summer bug screen.
<b>REAR EMERGENCY DOOR</b>	Lower glass in door with metal. Slide bar / vandal lock.
<b>MUD FLAPS</b>	Two (2) front flaps and two (2) rear flaps located no more than 12" behind rear duals. <b>No rubber fender flares.</b>
<b>FLOOR COVERING &amp; STEPWELL MIRRORS</b>	Black rubber flooring and step covering. Interior - 6" x 30" clear mirror. Two (2) heated windshield mounted cross view mirrors. Two (2) heated, flat on top, convex on the bottom, open view by Rosco. Please specify sizes. Must meet or exceed Federal Motor Vehicle Spec #111.
<b>WIPERS, WINDSHIELD &amp; WASHER</b>	Separate bottom mounted electric wiper with wet arm style washer.
<b>RUB RAILS</b>	4 applied rub rail - below side windows, seat level wrap-a-round to rear door, floor level, bottom of skirt.
<b>METAL PROTECTION</b>	All metal parts shall be treated against rust and corrosion, completely undercoated, and dust controlled. Caulk all fender wells.

<b><i>PASSENGER SEATS</i></b>	12 rows, DOT School Bus Seats, blue in color with padded barriers. (ICS) placement in first 4 rows. 3-Point seat belt system installed on all passenger seats, 3 seatbelts per seat. 8” barrier in rear of bus. Must meet state and federal regulations.
<b><i>DRIVER’S SEAT</i></b>	8 way adjustable: driver’s air seat, three-point seat belt with shoulder belt adjuster with automatic retracting seat belt. Blue in color with cloth inlay preferred. Must meet or exceed FMVSS #222 standard. National preferred. <b>Please specify make and model.</b>
<b><i>FOOT PEDALS</i></b>	Adjustable
<b><i>SERVICE ACCESS</i></b>	Shall be panels for access to engine, wiper motors, radiator and fuel gauges in tank.
<b><i>SENDER INSPECTION PLATE</i></b>	Yes
<b><i>WHEELS</i></b>	Hub piloted disc wheels 8.25 drop center rim preferred. If other system, please specify.
<b><i>TIRES AND RIMS</i></b>	2.95/75R 22.5 tubeless radial or equivalent. Front: highway tread Rear: traction tread
<b><i>STEPWELL</i></b>	Three (3) stainless steel, anti-skid rubber covered tread with white nosing.
<b><i>SUN VISOR</i></b>	Plexi-glass sun visor for driver
<b><i>SWITCHES</i></b>	Illuminated switch panel - left of driver. Rocker switches.
<b><i>WINDOWS</i></b>	Side windows: aluminum split sash. Service door, standard glass top and bottom. Tinted glass side and rear.
<b><i>STORM WINDOWS</i></b>	Must meet state and federal regulations. Please specify.
<b><i>WINDSHIELD</i></b>	Wrap-a-round or similar, shaded. Please specify piece count.
<b><i>WINDSHIELD WASHERS &amp; WIPERS</i></b>	Wet arm windshield wipers dual wipers, bottom mounted parallelogram type.
<b><i>WIRING</i></b>	Color coded wiring with circuit breakers - no fuses. <b>Include a hard copy or paper copy of wiring diagram used for building bus.</b>
<b><i>HEATERS</i></b>	Window defrost/driver: 90,000 BTU Stepwell: 50,000 BTU Under seat rear: 39” - 80,000 BTU Please specify if above BTU or configuration is different. Auxiliary heater water pump
<b><i>FUEL TANK OPENING</i></b>	Must have fuel tank door – non keyed
<b><i>INSULATION</i></b>	Body to be completely insulated with fiberglass insulation.
<b><i>INTERIOR SIDE PANELS</i></b>	Aluminized interior side panels. Please specify if different.
<b><i>AUXILIARY FANS</i></b>	Two (2) 6” auxiliary fans. One located center windshield and one located upper left of driver.
<b><i>TURN SIGNAL LIGHTS</i></b>	Meet state and federal regulations. Please specify sizes.
<b><i>STOP/TAIL LIGHTS</i></b>	Four LED required - two (2) 7” stop/tail lamps and two (2) small stop/tail license lamps. Must meet state and federal regulations.

<b><i>WARNING LAMPS</i></b>	8 LED light system with dual hoods and cut off switch. Standard Flash
<b><i>BACK-UP LAMPS</i></b>	5” LED back-up lamps
<b><i>LETTERING AND NUMBERS</i></b>	The words “Cedar Rapids Community School District” on each of the two (2) sides. Four (4) 6” vehicle numbering on each side, front and back, plus one (1) 3” red vehicle number on front, upper center of windshield. Final placement and vehicle numbering to be determined with successful bidder.
<b><i>EMERGENCY EQUIPMENT</i></b>	Must meet Federal and State of Iowa laws and regulations.
<b><i>FLOOR</i></b>	5/8” plywood floor over steel floor.
<b><i>STOP ARMS</i></b>	Two (2) air operated octagonal stop arm, with LED strobe light. Front and rear placement. Front electric crossing arm.
<b><i>HEAD ROOM</i></b>	Please specify. Must meet state and federal standards.
<b><i>NOISE REDUCTION INSULATION</i></b>	Sound deadening package, minimum of 1st two (2) panels
<b><i>REFLECTOR TAPE</i></b>	3M Diamond Grade Reflective Vinyl or accepted equal. 8” school bus - front and rear 2” wide strip each side of bus at floor line just below floor rubrail. 2” wide strip on rear of bus at top and bottom 2” wide strip vertically on each side of rear, 1” min. width strip surrounds each emergency exit as required.
<b><i>AIR BRAKES</i></b>	Bendix 501 Compressor, two (2) cylinders. 12 CFM - belt driven. 16.5 x 7 brakes rear disc. 16.5 x 5 brakes front disc. Brake pads shall have a hardness rating of EE or softer. AD-9 Bendix air dryer. Prefer Bendix or Webco. <b>If Bendix/Webco is not available, software and data link for ABS system being supplied must be furnished at no additional charge.</b>
<b><i>SLACK ADJUSTERS W/AIR BRAKES</i></b>	Automatic slack adjusters on all four wheels ASA-5 Bendix preferred or accepted equal.
<b><i>RADIO</i></b>	AM/FM stereo radio - 8 speakers total, front to rear.
<b><i>VIDEO EQUIPMENT</i></b>	Equipped and installed with video equipment for surveillance. REI: HD5-1200W, 2 TB Hard Drive with panic button. GPS cable to connect to Zonar 8 cameras: One (1) inside roof mounted looking over driver and down the stepwell. Four (4) inside roof mounted for passenger compartment viewing. One (1) inside, front window, forward facing the street, below tinted area. One (1) outside, driver’s side, front lower placement, rearward looking license plate view. One (1) outside, driver’s side, rear upper placement, forward looking over front stop arm. Final placement and camera specifications to be determined by buyer. Must include DVR end cap.

**ZONAR**

Buyer will supply:  
Zonar - Samsung 3 Tablet Base  
Zonar V4 telematics control unit  
Zonar Z Pass

Seller will supply:  
Zonar RFID tags installed per buyer's specifications  
Connected to bus systems per buyer's specifications  
Installation of all Zonar equipment from above.

**PA SYSTEM**

Internal PA system with microphone.

**RADIO - 2 WAY**

Kenwood mobile radio, 45-watt, 16 channel + digital ops, programmed to CRCSD specifications.  
External speaker, 5-watt, 8-ohm, low profile, 3.5mm plug.  
UHF NMO mount black transit antenna, 3 dB gain.  
Noise filtering.  
¾" hole NMO roof mt, gold pin RG58U.  
Equipped and installed.

**REAR SENTRY**

Rear bumper alert system

**REVERSE ALARM**

Reverse gear alarm.

**REAR BACKUP CAMERA**

Video screen preferred embedded in the driver's mirror.

**WARRANTY**

Include factory warranty and extended warranty information and statement with bid document.

**OPTIONAL ITEMS**

Please quote the following items as optional:  
Fire suppression  
Collision avoidance system

**INFORMATION SHEET**

This information sheet must be completed indicating on sheet whether or not specifications are met and/or comments on deviations. This information sheet must be returned with bid form.

**PRICE ADJUSTMENT**

CRCSD recognizes this product has a price component that is a commodity with changing costs. The Supplier may request a Price Adjustment no more frequently than once each quarter (3 month period) and no later than 30 days prior to the delivery date.. A Price Adjustment request must be made in writing and include the reason for the request, documentation supporting the request (ie, commodity increases), the current pricing, and the requested revised pricing.

CRCSD will review the Price Adjustment request. If the Price Adjustment is deemed reasonable the Price Adjustment request will be accepted by written acknowledgement. If the request is not accepted CRCSD may entirely reject the request or may counter with revised pricing. In either case CRCSD will provide a written explanation in support of the decision.

The Purchasing Manager may use available indexes to determine if the requested Price Adjustment is reasonable. Typically, a Price Adjustment that exceeds 5% will not be approved unless very unusual and significant changes have occurred in the industry.

In the event industry costs decline, the CRCSD shall have the right to receive, from the Supplier, a reasonable reduction in prices/pricing that reflect such cost changes in the industry. CRCSD will make a written request to the Supplier for a Price Adjustment in writing with supporting documentation.

BID RESPONSE FORM

Item 1: Five (5) Seventy-Two (72) Passenger Buses

Make: \_\_\_\_\_ Model: \_\_\_\_\_ Unit price: \_\_\_\_\_

Total Price: \_\_\_\_\_

Estimated lead time: \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_

DATE \_\_\_\_\_ PHONE \_\_\_\_\_

EMAIL \_\_\_\_\_

BY \_\_\_\_\_ TITLE \_\_\_\_\_

**Note:** Complete bid specification sheets must be returned with bid to be considered complete. Incomplete bids will not be considered.