

Purchasing Department  
1320 West Main Street Suite 202  
Franklin, Tennessee 37064-3700  
Phone (615) 472-4010



**WILLIAMSON COUNTY SCHOOLS**  
**RFB # 1331**  
**NEW GENERAL ED and SPECIAL ED SCHOOL BUSES**  
**Fiscal Year 2023-24**

Williamson County Board of Education (WCS) is accepting bids from qualified bidders for new General Ed and Special Ed School Buses for the Fiscal Year 2023-24. Interested bidders shall submit sealed bids using the forms attached to the bid document. Bids must be submitted in a sealed envelope mailed or hand delivered to Williamson County Schools, 1320 West Main Street, Suite 202, Franklin, TN 37064 Attn: Skip Decker.

The outside of the envelope must be marked "RFB #1331 District School Buses". Sealed bid envelopes must be submitted on or before 10:30 am on Thursday, November 16, 2023 at which time sealed bid envelopes will be publicly opened. Faxed or emailed bids will not be accepted. Absolutely no bids will be accepted after this time. Sealed bid envelopes shall be stamped (date and time) by WCS to verify the authenticity of receipt. The bid opening will take place at the aforementioned address.

If you have questions concerning this request for bid document, contact the Williamson County Schools Purchasing Department at 615-472-4079 or email [skipd@wcs.edu](mailto:skipd@wcs.edu) . It is the bidder's responsibility to acknowledge and understand the specifications, scope, requirements, terms, and conditions of this bid project. This RFB was prepared by the Purchasing Department. Should any terms or conditions on the attached Bus Specifications differ from the RFB, then the terms and conditions of the RFB shall govern the process.

The following information must be printed on the outside of the sealed bid envelope:

- WCS RFB # 1331 New General Ed & Special Ed School Buses
- Name of Bidding Company
- Date & Time of Bid Opening

The following information must be included inside the sealed bid envelope:

- Signed and completed bid cover sheets
- Signed and completed Iran Divestment Act Certificate
- Signed and completed Non-Boycott of Israel
- Any related support documents / literature

Williamson County Schools reserves the right to accept or reject bids, upon the evidence (or as determined by WCS Staff) before or after the bid opening, that a bidder is not necessarily qualified by experience, is not in a position to perform the work specified in the time allotted, or upon evidence of collusion with intent to defraud or other illegal practice.

- All bids are to be complete in every detail as required. Bids that are incomplete, contain irregularities or are not in accordance with the specifications may be rejected. WCS reserves the right to waive any formalities to accept any bid as a whole, split bid and/or accept any individual item or items within a bid or to reject any or all bids whichever is in the best interest of WCS.
- The bid may be awarded to the lowest bidder(s) or best overall bid and WCS reserves the right to award based on quality, price and availability of services specified whichever is in the best interest of WCS. This bid evaluation will be based on pricing/cost and service as validated through references and / or other qualitative consideration as submitted through the RFB process.
- Awards shall be made based on best and most responsive bid determined to be in the best interest of WCS. Our intent is to award the RFB to the lowest, best, and most responsive competitive bidder(s).
- This bid is ultimately subject to funding (as with all WCS Bid projects). WCS is a tax- exempt organization . . . Although WCS is tax-exempt — the Bidder(s) are responsible for (and bid cost must reflect) any / all sales and use tax for the materials and or equipment.
- The use of the name of a manufacturer or any special brand, model or make in describing an item or the use of detailed descriptive specifications pertinent thereto, does not restrict bidders to that manufacturer, specific article, or such detailed descriptive specifications; the means or method being used is simply to indicate the character, or quality of the article desired. However, the article on which bids are submitted must be of such character, quality and design as will serve the purpose for which it is to be used equally as well as that specified and must be the equal of the article described and equally suitable to the needs of the WCS District. If bidding another item than the make, model, or brand design specified or such detailed descriptive specifications, the manufacturer's name, and catalogue reference together with specifications must be given and (CLEARLY STATED ON THE BID SHEET IN EVERY INSTANCE). This will enable the Purchasing Department or the Transportation Department leadership to determine its suitability. WCS reserves the right, through the Purchasing Agent, to be the sole judge in the final determination. When no reference is made by the bidder to make or grade proposed to be furnished, it is automatically understood that the specific article named on the bid sheet will be furnished. Williamson County Schools Purchasing Agent must approve any change in offers to the original bid specifications.

- If quantities are provided they are approximations and may only be estimates of annual usage, and not necessarily guaranteed initial purchase quantity. Quantities provided are best estimates of anticipated order quantities. However, WCS cannot guarantee fulfillment of annual usage estimates. The WCBOE reserves the right to increase or decrease amounts and/or quantities.
- All Bids are to be valid for a minimum of 90 days or until awarded whichever comes first. For all awarded bids the price will remain in effect for 10 months from commencement of bid opening date.. .this bid covers, November 16, 2023 thru September 16, 2024 . . . This allows WCS to make any possible future — additional purchases (at same awarded bid cost) within the stated 10-month period.
- The language of this WCS RFB shall be binding unless mutually amended by WCS and the awarded bidder. Issuance of the purchase order will be the award notice. The terms and conditions of the WCS-RFB and detailed purchase order shall constitute entire agreement.
- Invoice must be reflective of original bid and must include a valid WCS purchase order number to be paid. WCS will not be responsible for "added expenses". There shall absolutely be no surcharges. Bidders should submit the most competitive "all in" bid / cost.
- One single invoice — shall be submitted after 100% of order has been successfully delivered to the satisfaction of the WCS Transportation Director. Back orders are discouraged. Bills for partial shipments are not acceptable.
- Notice of final delivery and acceptance must be verified for accuracy and approved by appropriate WCS Transportation — Personnel, prior to submission of invoice for payment. Prices must include complete shipping/delivery costs and installation. The successful bidder must provide full arrangements for delivery.
- All invoices, as mentioned above, must have an approved WCS purchase order number. We require one single invoice per purchase order. The packing slips, manifest or delivery papers should be presented to the WCS Purchasing Department after we receive 100% of the items on the original purchase order. WCS Purchasing Department will coordinate vehicle inspection and invoice approval with WCS Transportation Department.
- Invoices shall be pursuant to the terms and conditions of this RFB. WCS desires to avoid partial projects when possible. No partial invoices will be processed for payment. Invoices should be submitted for payment upon 100% satisfactory completion of each PO. The awarded bidder must have the financial ability to accommodate this type of invoicing and payment arrangement and not request partial payments from WCS. Detailed itemized billing should be included with every invoice submitted. WCS has the right to dispute any invoices.

- The bidder shall abide by and comply with the true intent of the specifications and not take advantage of any unintentional error or omission but shall fully address the full intent and meaning of each aspect of the specifications. By submission of the bid the vendor certifies that all items are reasonably equal to or better than the referenced items and agrees to all terms and conditions stated herein.
- It is the vendor's responsibility to comply with all local, state, and federal laws, regulations, codes, licensing and other governmental requirements regarding the specifications of this project. The bidder must be prepared to substantiate compliance upon request by the Board's representative.
- In the event a vendor fails to perform, WCS reserves the right to begin negotiations with the "next best bidder" in order to complete the projects or services. In addition, the vendor may forfeit future business with WCS.
- The desired buses should reasonably meet or exceed the specifications of the models included in the detailed specifications which have been provided as a reference. The product awarded could be the referenced brand or any other brand that reasonably meets or exceeds the specifications of the referenced product. Details and specifications will be discussed at the pre-bid meeting.
- Concerning any rebates our preference is for dealer/vendor to handle any manufacturing rebates (and such rebate is reflected in bid pricing). However, if certain rebates require end user (WCS) to apply then bidder MUST state in writing the rebate details, including amount and deadline to apply. This must be indicated on the bidder's cover sheet in order for WCS to consider rebate requirements along with the Bidder's submission.
- It is preferable that all bidders should own or operate a stocked parts and service Facility within 80 miles of Williamson County Schools Transportation Department or guarantee shipment or availability of parts on a NEXT DAY basis.

## GENERAL SCOPE OF PROJECT

It is the purpose of this RFB to acquire competitive bids for various types of new School Buses based on a range of possible quantities. All Williamson County School Bid Projects and related purchases are contingent upon funding from the Williamson County Board of Education and the Williamson County Commission . . . At this time, it is the desire and intent of WCBOE to fund the following quantities of new school buses for Fiscal Year 2023-24.

### General Education & Special Ed Buses:

1. (Approximately 6 new 84 passenger units) General Education Buses
2. (Approximately 2 new 22 + 3 seat configuration units) Special Ed Buses

Total intent to purchase, (approximately 8) new combined units, if fully funded through the Williamson County School Board and Williamson County Government.

Williamson County Schools reserves the option of awarding the bid to the most qualified, lowest and most responsive bidder that reasonably meets all specifications of this bid project. WCS also reserves the right to piggy-back on a valid awarded contract by other school districts in the State of Tennessee (as allowable under TCA # 12-3-1004) whichever is in the best interest of WCS. WCS will furthermore require the bidders to include on their bid cover sheet (by checking yes or no) an answer that would allow other school districts in the state of Tennessee permission to piggyback off this awarded bid to the extent TN law will allow.

The desired buses should reasonably meet or exceed the specifications of the models included in the detailed specifications which have been provided as a reference. The product awarded could be the referenced brands or any other brand that reasonably meets or exceeds the specifications of the referenced product. Acceptable school buses that are allowed on this bid project are for 2024 or newer model years.

### SCHEDULE OF AWARD & RELATED VALUES

- The Bid Opening shall take place on .....Thursday, November 16, 2023 at 10:30 a.m.
- Bid tabulations indicating the apparent low bidder will be sent out AROUND Friday, November 17, 2023.
- A letter of intent to purchase shall be issued to the awarded bidder(s) approximately 10 days after WCS sends out the bid tabulations. WCS anticipates issuance of actual (funded) purchase orders for General Ed & Special Ed buses around November 28, 2023. By issuing the fully funded PO in November, this will allow the awarded bidders sufficient time to make the delivery deadline.
- All bidders must hold their bid price for minimum of 90 days from date of bid opening. 100% complete delivery / receipt of all General Ed & Special Ed units must take place by or before August 9, 2024 to avoid Liquidated Damages.
- All New School Bus Vehicles should be delivered to the WCS Transportation Department at 1771 West Main Street, Franklin, TN 37064. schedule the actual delivery arrangements with the WCS Transportation Department 615-472-4951 at least 48 hours in advance.
- New Buses shall have no more than a maximum of 800 miles on the vehicle odometer.

### LIQUIDATED DAMAGES - *REGARDING INCOMPLETE DELIVERIES*

Beginning Saturday, August 10, 2024 a \$200 per consecutive calendar day penalty will be assessed and deducted from the bus-dealer's invoice. Deductions will continue until the delivery is 100% complete pursuant to the RFB award purchase order — terms and conditions.

- **ALLOWABLE DELIVERY WINDOW** - Do not stagger the delivery of Buses to WCS, all buses are to be delivered as one consolidated shipment during a 48-hour period sometime
- After all bus deliveries have been satisfactorily completed the awarded dealer(s) shall present one (1) detailed, itemized, consolidated invoice along with appropriate Title/Manufacturer Certificate of Origin and warranties, to WCS Purchasing Department... Failure to follow these instructions will result in delayed payment... Invoice must properly reference and match up to the corresponding WCS PO.

THE FOLLOWING SPECIFICATIONS ARE FOR CRITICAL COMPONENTS WHICH MUST BE INCLUDED IN ALL BID SUBMISSIONS

- ANGEL TRAX HYBRID QUEST / WITH HARD DRIVE INCLUDED is preferred INTERIOR 4 CAMERA SYSTEM COMPLETELY INSTALLED  
1 front camera, 1 rear camera, 1 driver step well camera, 1 front window facing road camera
- SCHOOL BUS GPS TRACKING.....WCS UTILIZES AND REQUIRES ZONAR V4 WITH WIRING HARNESS - The wiring harness should monitor Power On & Off, Door Open & Close, Stop Arm and Reverse.

WCS switched over to a new emergency management program a couple of years ago in conjunction with the Williamson County Government. Therefore, we are requiring a Radio System that will operate with the county system. Specifications are included on this page.

FOR ADDITIONAL DETAILS CONTACT:

- WCS safety & Security Officer: Mike Fletcher 615-472-4100 APX™ 4500 SPECIFICATIONS FEATURES AND BENEFITS:

Available in 700/800 MHz. VHF, UHFRI. UHFR2.and 900 MHz. Supports NPCS band (901-902 MHz and 940-941 MHz)

512 Channels Trunking Standards supported:

- Clear or digital encrypted Trunked Operation • Capable of SmartZone" Omnilink SmartNet"  
Analog MDC-1200 and Digital APCO P25 Conventional System Configurations  
Narrow and wide bandwidth digital receiver (6.25/12.5/25/30 kHz)  
Embedded digital signaling (ASTRO and ASTRO 25) Intelligent Priority Scan  
Integrated Encryption Hardware Integrated GPS/GLONASS for outdoor location tracking  
Intelligent lighting Radio profiles Unified Call List

APX 4500 CONTROL HEAD PORTFOLIO

Meets applicable MIL-STD 81 OC, D.E.F.G Ships standard IP56 Tactical inhibit Instant Recall

Customer Programming Software (CPS) supported on Windows XP, Vista, 7 and 8

(Windows 7 or 8 required for CPS RI 2.00.00 ) June 2014) and later)

- Supports USB Communications
- Built in FLASH port w / support Re-uses XTTL••• accessories, plus new IWRES accessories

OPTIONAL FEATURES: Encryption Programming over Project 25 (POP25) Text Messaging 12-characterRF ID asset tracking

## OZ RUGGED CONTROL HEAD

- Large color display with intelligent lighting • 3 lines of text 14 characters max | line of icons / 1 line of menus
- Built in 7.5 W speaker
- Multifunction volume/channel knob
- Night/day mode button

## MOTOROLA SOLUTIONS



### APX™ 4500 PROJECTIBLE RADIO

A downed power line or the city transit system coming to a halt during rush hour, when the unexpected strikes, you must interoperate seamlessly and securely with other agencies and responders- often across multiple Project 25 (P25) systems. You need to instantly connect and be informed to make better decisions and respond effectively. While the advanced technology of APX" radios expertly equips you for the unexpected, your organization may be challenged to improve operating expenses. That's where the APX 4500 P25 mobile radio fits the bill perfectly. It delivers all the benefits of TDMA technology in a compact P25 capable mobile. The APX 4500 brings together powerful technology in an easy-to-use radio that's easy on your budget. It seamlessly unifies public works, utility, rural public safety and transportation users to first responders, so they can communicate effectively in the moments that matter.

The APX 4500 is designed to get the job done without getting in the way. A simplified dash mount design makes installation quick and easy, fitting into the existing XTL" footprint so you can reuse mounting holes and cables. The APX 4500 should withstand wet, dusty and hazardous conditions, too. Its IP56 durability rating is the highest level of certification for uncompromising durability and world class quality in a mobile performer you can hose down. It should keep crews in touch. and up to the minute.

**WCS BID COVER SHEET**  
**RFB # 1331**  
**New General Ed & Special Ed Fiscal Year 2023-24**

Name: \_\_\_\_\_ Title \_\_\_\_\_

I verify that I have read and understand the terms and conditions contained within this document and that I acknowledge and agree to all the language set forth within. By signing this document and submitting my bid in a sealed envelope to Williamson County Schools, I (bidder) fully accept all terms and conditions contained within.

Signature: \_\_\_\_\_

Notice to Bidder — If you find any of the language, terms, conditions, or specifications unacceptable — then please do not submit a bid package for this project.

Name of Company : \_\_\_\_\_

Address: \_\_\_\_\_

Phone Number \_\_\_\_\_

Email: \_\_\_\_\_

WILL OTHER SCHOOL DISTRICTS IN THE STATE OF TN BE ALLOWED TO PIGGYBACK OFF THIS BID (to the extent the state law will allow)? Yes \_\_\_ No \_\_\_

**ITEM 1**

NEW MODEL Year 2024 or newer - **GENERAL ED PASSENGER BUS 84 PASSENGER**

Front Engine Transit Type D (*Base bid is without seat belts or seat belt ready frame*)

Model \_\_\_\_\_ Make \_\_\_\_\_ Body \_\_\_\_\_

Engine \_\_\_\_\_ Model Year \_\_\_\_\_ Chassis \_\_\_\_\_

Warranty - Confirm Warranty details on the following spec pages.

**BASE BID -BUS UNIT PRICE S**

\_\_\_\_\_

Option: Cost for Three Point Seat Belt system throughout the bus. \$\_\_\_\_\_

Option: Cost for Three Point Seat Belt ready frames throughout the bus..\$ \_\_\_\_\_

Can Bidder Meet the Delivery Deadline? Yes \_\_\_ No \_\_\_

ATTACH SEAT-LAYOUT AND CONFIGURATION TO BID COVER SHEETS



**RFB #1331**  
**Bid Cover Sheet page 2**

NAME OF BIDDING COMPANY \_\_\_\_\_

**ITEM 2**

NEW MODEL Year 2024 or newer - **SPECIAL ED PASSENGER BUS**  
**22 PASSENGER + 3 WC Conventional Type C**

Cost for Three Point Seat Belt system throughout the bus included in base bid

Model \_\_\_\_\_ Make \_\_\_\_\_ Body

\_\_\_\_\_

Engine \_\_\_\_\_ Model Year \_\_\_\_\_ Chassis

Warranty - Confirm Warranty details on the following spec pages.

BASE BID - BUS UNIT PRICE \$

\_\_\_\_\_

Can the bidder Meet the Delivery Deadline? Yes No\_\_\_\_

ATTACH SEAT-LAYOUT AND CONFIGURATION TO BID COVER SHEETS

Specifications Sheets are included in this document

# CERTIFICATION OF COMPLIANCE WITH THE IRAN DIVESTMENT ACT

Effective July 1, 2016, this form must be submitted for any contract that is subject to the Iran Divestment Act, Tenn. Code Ann. S 12-12-101, et seq., ("Act"). This form must be submitted with any bid or proposal regardless of where the principal place of business is located.

Pursuant to the Act, this certification must be completed by any corporation, general partnership, limited partnership, limited liability partnership, joint venture, nonprofit organization, or other business organization that is contracting with a political subdivision of the State of Tennessee.

## Certification Requirements.

No state agency or local government shall enter into any contract subject to the Act, or amend or renew any such contract with any bidder/contractor who is found ineligible under the Act. Complete all sections of this certification and sign and date it, under oath, in the presence of a Notary Public or a person authorized to take an oath in another state.

## CERTIFICATION:

I, the undersigned, certify that by submission of this bid, each bidder and each person signing on behalf of any Respondent certifies, and in the case of a joint bid or contract each party thereto certifies, as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to Tenn. Code Ann. 12-12-106.

Respondent represents it has the full power, knowledge, and authority to make this Certification and that the signatory signing this Certification on behalf of bidder/contractor has been duly authorized to do so on behalf of the bidder/contractor.

Sworn as true to the best of my knowledge and belief, subject to the penalties of false statement.

\_\_\_\_\_  
Printed Respondent Name Printed Name of Authorized Official

\_\_\_\_\_  
Signature of Authorized Official

\_\_\_\_\_  
Date

NAMES are used for identification and communication only, However a deviation from the specifications must be noted as an exception.

Deliver to: Williamson County  
 Schools Transportation Bus  
 Garage 1771 West Main Street  
 Franklin, TN 37064  
 84 Passenger Type D Front Engine Transit  
 RFB # 1331

BODY SPECIFICATIONS		TYPE D - FRONT ENGINE TRANSIT BUS	Notes / Comments
1	Seating Capacity	84 Passenger capacity built on a 90 Passenger shell 24"-29" minimum knee space is acceptable	
2	Seating	Regular seating throughout... No special seating in the front 2 seats. Bus should have 28 total rows.	
3	Headroom	77 inches minimum	
4	Windows	12" x 24" minimum	
5	Emergency Exit Windows	Total Four (4) push out tinted	
6	Windows	Tinted 28% dark with Black Window Trim no exceptions	
7	Windshield	Tinted	
8	Roof	Painted White	
9	Interior Side Panels	Aluminized	
10	Front Service Door	Air Operated - 3 Position Switch	
11	Front Service Door	Outward Opening with Vandal Lock	
12	Steps / Entrance	Korseal White Pebble Top Nosing 3 step with Exterior Guard	
13	Rub Rails	Black - Four (4) each side	
14	Upholstery	Heavy Duty Upholstery fire block, Gra or Brown cloth or vin I referred	

BODY SPECIFICATIONS		84 PASS TYPE D - FRONT ENGINE TRANSIT BUS	Notes / Comments
15	Heaters (Including Drivers seat foot warmer)	190,000 BTU Minimum with / removable filter; To include <u>heavy duty booster pump</u> for rear water circulation; dual heater cut off valves	
16	Heater Location	Standard 2 Front I Back	
17	Defroster Fans	Two (2) fans (dash mounted)	
18	Body Insulation	1. 5- 2" R-Value 5.5 minimum roof, front, rear & sides	
19	Escape Hatches	Two (2)	
20	Hatch Brand	Transpec or Specialty (low profile)	
21	Warning Lights	With Hoods	
22	Interior Lights	8-10 minimum LED	
23	Air Compressor	18.2 CFM standard	
24	Air Dryer	Bendix AD-IP Heated	
25	Air Tank Drain Valve	3 tank minimum... 4 tanks preferred with 5600 cu.in. Bendix DV-w/heater	
26	Fuel Tank Capacity	100 Gallons Minimum	
27	Fuel Filler Door	Spring Loaded	
28	Fuel Tank Access Plate	Included	
29	Fuel / Water Separator	Racor or Equal with heater	
30	Fuel Tank Location	Between Rails	
31	Battery	1-8 D 1900 CCA or (2) group 31 batteries 2100 CCA minimum or (3) group 31 batteries 2775 CCA minimum	
32	Alternator	240 Min. AMP, Delco, Bosh Brands or 320 AMP on Leece Neville Brands	
33	Tow Hooks	Front and Rear	
34	Chassis Warranty	12 to 24 months — 24,000 miles provide co with bid	
35	Body Warranty	12 to 24 months — 24,000 miles provide co with bid	

		Name of Bidder	
36	Engine Warranty	S year 100,000 P & L	
37	Transmission Warran	7 year Unlimited Miles P & L	
38	Axle Warranty	5 year 100,000 P & L	
39	Differential Warran	5 year 100,000 P & L	
40	Air compressor Warran	5 year 100,000 P & L	

BODY SPECIFICATIONS		84 PASS. TYPE D - FRONT ENGINE TRANSIT BUS	Notes / Comments
41	Two - Way Radio	Motorola APX 4500	
42	AWFM Radio	AM / FM Radio with AUX / PA system & clock with speakers	
43	Engine	INLINE - Removable from Front 600 ft lb Torque; Int'l Maxx Force or Cummins ISB Engine that meets or exceeds the horsepower and torque requirements specified herein	
44	Engine Type	Six (6) cylinder diesel	
45	Engine Horsepower	220 - 250	
46	Engine Block Heater	750-1250 Watts w/Front fender receptacle mounted	
47	Engine Warning	Coolant & Oil	
48	Transmission	PTS 2500	
49	Transmission Cooler	Internal or External Cooler	
50	Transmission Fluid	TES 295/Allison Transynd	
51	Front Axle Rating	14,600 lbs. minimum	
52	Rear Axle Rating	23,000 lbs. minimum	
53	Suspension Springs Front	Commensurate w/axle 14,600 lbs. minimum	
54	Axle Bearings	Oil Bath	
55	Wheel Type	Stud Piloted	
56	Rim Size	Radial 8.25 x 22.5	
57	Rim color	Black	

		Name of Bidder:	
58	Tire Size	1 IR x 22.5 Load Range H	
59	Acceptable Tires	Bridgestone, Firestone, Goodyear or Hankook Balanced & Aligned	
60	Throttle Control	Electronic - Cruise Control	
61	Fuel Solenoid	Electronic	
62	Steering	4 Position Tilt-Telescope	
63	Brake	Air; Antilock; Automatic slack adjustors	
64	Brakes Front Size	16.5 x 6 Minimum or air disc	
65	Brakes Rear	16.5 x 8 Minimum or air disc	
66	Strobe Light	Specialty 515-400	
67	Strobe Light Guard	Protective Cage	

BODY SPECIFICATIONS		84 PASS - TYPE D - FRONT ENGINE TRANSIT BUS	Notes / Comments
68	Side Directional Li hts	Right & Left Side, side clearance and cluster - include armor	
69	Body ACC Solenoid	100 Amp Minimum	
70	Head Lamps	Daytime Running	
71	Mirror Interior	6" x 30" or similar equivalent	
72	Mirror Rear View	Roscoe or Eurostyle, Motorized & Heated	
73	Mirror Bracket	Break - Away	
74	Cross View Mirror	Roscoe Heated	
75	School Bus Sign	Reflective Material	
76	Head Liner Panels	Driver area perforated add an overhead storage compartment	
77	Driver's Seat	6 way adjustable air; high back; 2 arm rest (left and right)	
78	Fire Extinguisher	5 lb. with hose	
79	Driver	Driver Document Compartment	
80	First Aid Body Fluids Kit	Standard	

		Name of Bidder	
81	Warning Devices	Triangle	
82	Wipers	Electric	
83	Cleaning Windshield	Stirrup steps & handles	
84	Cleaning Windshield	Bottle Washer	
85	Lettering	Black - 6" painted or vinyl Williamson County Schools	
86	Bus Numbers	4-total sides (front-rear) back sides 6 inch both bumpers	
87	Model Number Location	Yellow rear with unit # 6" back bumper right	
88	Model Num ber Size / Color	3/4 x 3 " yellow painted or vinyl	
89	Mud Flaps	Front and Rear	
90	Luggage Compartment	Single compartment <u>right curb side</u> only, 34 cubic feet with 1 or 2 doors each located between the axles with key lock	
91	Air Horn	Can be mounted on roof or floor chrome or black	

BODY SPECIFICATIONS		84 PASS - TYPE D - FRONT ENGINE TRANSIT BUS	Notes / Comments
92	Driver Power Outlet	cell phone dash mounted power outlet	
93	Floor Covering	Rubber Korseal Black	
94	Reflective Tape - 2"	Full length sides and floor level	
95	Passenger Reminder System	CRS electronics or RTI bus - scan	
96	Stop Sign	Strobing Upper and lower LED	
97	Seat Color	Prefer Gray or Brown	
98	Handrails	Left and right required	
99	Gauges	Lights in lieu of gauges not acceptable; Gauges include Voltmeter, AMP meter, Oil Pressure, Fuel, Temperature and Air	
100	Crossing Arm	Installed on front bumper, shall be air or electric with magnetic retainer	

		Name of Bidder	
101	Training	FREE TRAINING (Diagnostic, Electrical and other) HANDS ON FOR "ALL WCS MECHANICS" in one session	
102	Trash Container & Holding Device	UL Classified fire resistant polyethylene or equivalent material, 14 quart or less, holding device designed to prevent movement and easy removal/replacement, installed in accessible	
103	Noise Suppression Switch	Meet State Standards-dash mounted	
104	Complete Parts List	Provided with Bid using factory pick list w/current cost per item (CD Preferred Windows Version only) or web based	
105	Optional Pricing	Driver - side luggage compartment (same as above)	
106	Alternate Engines (discouraged)	Alternate Engines must list HP & Torque per engine type	
107	EPA Air Pollution Requirements	Provide Detail of Engine including a written copy & diagram of the procedure for meeting current EPA Emission Requirements. List any and all equipment, tools, products, or other necessary items that WCS will be required to purchase.	
108	ANGEL TRAX HYBRID QUEST with hard drive included	INTERIOR 4 CAMERA SYSTEM COMPLETELY INSTALLED I front camera, I rear camera, I driver step well camera, I front window facin road camera	
109	SCHOOL BUS GPS TRACKING	WCS UTILIZES AND REQUIRES ZONAR V4 WRRH WIRING HARNESS — The wiring harness should monitor Power On & Off, Door Open & Close, Stop Arm and Reverse.	
<b>End of 84 passenger Specifications</b>			



NAME OF BIDDER \_\_\_\_\_ BUS MFG. Make & Model \_\_\_\_\_

WCS RFB # 1331  
 SCHOOL BUS BID FISCAL YEAR 2023-24  
 SPECIFICATIONS FOR SPECIAL EDUCATION  
 22 (at 2 per seat) PASSENGER +3 WC SPECIAL ED 236-inch wheelbase  
 CONVENTIONAL TYPE C

STATE OF TENNESSEE SPECIFICATIONS UNLESS OTHERWISE NOTED

MUST MEET ALL STATE AND FEDERAL SCHOOL BUS SPECIFICATIONS

BRAND NAMES are used for identification and communication only,  
 however any deviation from the specifications must be noted as an exception.

Deliver School Buses to Williamson County Schools Transportation  
 Bus Garage 1771 West Main Street  
 Franklin, TN 37064

BODY SPECIFICATIONS	SPECIAL ED PASSENGER TYPE C	Notes / Comments
1. Air conditioning	120,000 total BTU minimum — Include front in wall & rear in wall bulkhead evaporators with skirt mounted condensers. Must include manufacturer's build sheet with parts & model #	
2. Backup Alarm	Minimum of 1 12 DBS rear bumper area mounted	
3. Belt Cutter	QTY 2 tie tech or safe cut	
4. Body Type	Type C W/WC lift	
5. Bus Model	2022 model or newer	
6. Capacity Design	22 + 3 WC Totaling 25 passengers plus driver	Onl 2 seat belts er seat
Defroster Fans	2 Dual 6 " dash mounted	
8. Document Holder	plastic attached in front of overhead area	
9. Door Front Service	3 position switch Air Operated — outward opening with vandal lock	
10. Door Lift	Single Door 42" width located in rear	
11. Fenders	Yellow metal or black rubber on Rear Wheels	
12. Fire Extinguisher	5 lb. with hose	
13. First Aid Body Fluids Kit	Meeting TN Minimum standard	
14. 5 pocket barrier with safe cut pouch with broom holder	Concealed hook and loop enclosure to keep items secure in pocket in hook and loop style seat cover only; BESI or equal to be installed on the barrier seat driver side.	

Name of Bidder		
15. FLOOR DESIGN SEAT & WHEELCHAIR LOCATIONS (DELIVERED 22 +3 WC Passengers)	Each seat shall be 39" in width and shall have an integrated child seat (1 I safeGuard ICS with (2) three point seat belts. ICS shall offer security of a five (5) point harness for children 22 to 85 lbs. IMMI , CE White BTI, Syn-Tec 53C or equal to or better than accepted brands. Three (3) WC stations with continuous tracking of 50" one placed at door side and the other driver side.	WCS desires only 2 seat belts per seat. WCS will use the bus as a 22 + 3 WC 25 seat capacity bus.

BODY SPECIFICATIONS	SPECIAL ED PASSENGER TYPE C	Notes / Comments
16. Floor Design	Include with bid submittal	
17. Floor Covering	Black rubber	
18. Floor covering	Plywood 5/8 exterior grade	
19. Hand Rails	Qty 2 - Left and Right Sides of Step well	
20. Head Line Panels	Full Length Perforated	
21. Headroom	77" Minimum	
22. Heater Rear Location	Approx. 80,000 - 88,000 BTU preferred rear wall mounted with removable filter	
23. Heaters Front & Rear	160,000 BTU min total w/removable filter, to include heavy duty booster pump for rear water circulation, dual heater cut off valves	
24. Identification Lettering	Williamson County Schools / Black on both sides	
25. Identification Numbers Model Year	3/4 x 6" Year & Unit Numbers (buyer will provide unit numbers)	
26. Identification Numbers Bus	4 total sides Front & Rear All Black on sides. Yellow on front & rear bumpers	
27. Identification Disabled Placard	Placed on WC Lift Door	
28. Insulation	1.5 " R-Value min. roof, front, rear & sides 1/2" sound absorbing form installed under driver's footboard erforated ceiling in driver's area	
29. Lamps Head	Daytime Running	
30. Lamps Front & Rear Signal	LED if available	
31. Lamps Warning	Exterior LED flush mounted	

	Name of Bidder	
32. Lamps Side Marker	LED	
33. Lamps Interior	Four ( 4 ) Minimum LED	
34. Lamps Monitor	16 Light Monitor LED	
35. Lamp Strobe	LED Strobing with protective armor	
36. Lift Location	Rear Curb Side	
37. Lift Model	BRAUN MODEL, Century or Millennium or Ricon S-Series; All lifts must past WCS' Pre-delivery FMVSS403 compliancy inspection or the vehicle will not be accepted. The lift will be tested at pre-delivery by WCS with 800 lbs of weight and will be expected to lift and lower it safely 10 times.	
38. Mirror Bracket	Break - away	
39. Mirror Cross View	Roscoe Heated	
40. Mirror Head	Motorized-Heated	

41. Mirror Interior	6 x 30 with visor WITH BACK UP CAMERA	
42. Mirror Rear View	Roscoe Eurostyle	
43. Mud Flaps	Front & Rear Wheels	
44. Noise Suppression Switch	Meet State standards - dash mounted	
45. Parts Report	Access to complete list bus parts on a web-based ro am and in rint.	
46. Passenger Reminder Location	Warning Buzzer Interior	
47. Passenger Reminder System	Shall meet or exceed all State of TN Board of Ed Standards wired to interior dome lights	
48. Radio AWMF	AM / FM Radio PA system & clock Include 4 speakers	
49. Radio Two way & Bracket	Compatible With Motorola APX4500. Contact Commtech for details	
50. Radio Two Way Antenna	1/4 wave complete	
51. Radio Two way Model	Motorola APX4500	

	Name of Bidder	
52. Radio Two way Installation	Installation to be done by WCS	
53. Radio Two Way External Speaker	KES 3	
54. Radio Two way Frequency & Tone Control	APX 4500 installed with 2 pc radio configuration	
55. Roof	Painted White	
56. Roof Ventilator Emergency Exit	Shall meet or exceed TN State BOE standards	
57. Rub Rails	Four (4) Each Side all painted Black	
58. School Bus Sign	Reflective Material	
59. Seat Driver's	6-Way Adjustable -Air	
60. Seat Driver's	High back; 2 arm rest (right & left) (Please mark exceptions)	
61. Seating Capacity	22 + 3 WC for a total of 25 passengers (plus driver) IMMI, Syn-Tec 53 C or C.E. White Seats	

BODY SPECIFICATIONS	SPECIAL ED PASSENGER TYPE C	Notes / Comments
62. Seats & Belts	II Safe ICS with 2 three-point seat belts per seat	
63. Seat Spacing Knee Room	Prefer Maximum Possible — Please include knee spacing in floor plan copy	
64. Seat Upholstery	Fire Block, Heavy duty , Gray or Brown Preferred	
65. Securement Systems	Q' Straint or Sure -10k Kit Model # FF612S-4C-7 2 (2 kits); Auto Retracting — with mounted storage bags on side walls	
66. Side Panels Interior	Aluminized	
67. Solenoid ACC Body	100 Amp Minimum	
68. Steps Entrance	Koroseal White pebble top nosing 3-step	
69. Stop Sign	Strobing upper & lower LED lights	
70. System floor Track	L-Track w/debris cover for unused sections	

	Name of Bidder	
71. System floor Track	50 inches per chair space	
72. System floor Track	Recessed in plywood	
73. Warning Devices	Triangle	
74. Warranty Body	3 year 50,000 mile	
75. Wheelchair Spaces	Three (3) Positioned ready to go	
76. Window Frames	Black Anodized	
77. Windows	12" x 24" minimum	
78. Windows	Dark tinted — 28% Dark	
79. Windows Emergency Exit	1 per side	
80. Windshield	Shall meet or exceed State of BOE standards shaded and tinted	
81. Windshield Cleaning	Stirrup Steps & Handles	
82. Windshield Cleaning	Bottle Washer	
83. Wipers	Electric w/ intermittent	
84. Air Compressor	18.7 CFM	
85. Air Dryer	Bendix AD- IP Heated	
86. Air Tank Drain Valve	Bendix DV -2 Heated	
87. Alternator	Minimum 270 AMP for A/C efficiency using Delco, bosch Brands 320 amp Minimum using LEECE NEVILLE BRAND	

NAME OF Bidder\_\_\_\_\_

BODY SPECIFICATIONS		SPECIAL ED PASSENGER TYPE C	Notes / Comments
88. Axle Bearings		Oil Bath	
89. Axle Front Rating		10,000 lbs. - 12,000 lbs.	
90. Axle Rear Rating & Ration		21,000 lbs. - 23,000 lbs.	
91. Suspension Front		Springs same as the axle	
92. Suspension Rear		Air Ride 21,000 lbs.	
93. Battery		3 group-2775 CCA OR GREATER TOTAL - 12-volt 150 AMP Circuit Breaker & Battery Cut off switch	
94. Battery Box		Must be large enough to handle above battery size as well as all cutoff switches for AC & WC lift	
95. Brakes Front Size		16.5 x 5 minimum	
96. Brakes Rear Size		16.5 x 7 minimum	
97. Brakes		Full air; Anti-lock — all wheel, outer board drum type, with auto slack adjuster	
98. Engine Block Heater		750 watts minimum with receptacle	
99. Engine Horsepower		200-250 with 600 lb. torque, in line six cylinder	
100. Engine Type		6 cylinder diesel Int'l MAXX FORCE DT - CUMMINS ISB or EQUAL that meets or exceeds the horsepower and torque requirements specified herein	
101. Engine Certification		2022 Model or Newer	
102. Engine Warning Audible		Coolant and oil	
103. EPA Air Pollution Requirements		Must meet or exceed State of TN Board of Education Specs. Must also meet or exceed all Federal and local Emission Standards	
104. Fuel Filler Door		Spring loaded	
105. Fuel Solenoid		Electronic — cut off all body circuits	
106. Fuel Tank Access Plate		Included	
107. Fuel Tank Capacity		Mounted between the frame rails tank 60-gallon capacity	

Name of bidder		
108. Fuel mater Separator	Cummins, Racor or Equal	
109. Governor	Road Speed 65 MPH	
110. High / Low Idle Switch	Dash mounted	

111. Keys	2 Common Ignition Keys - Keyed alike 2 Common Auxiliary Keys - Keyed alike	
112. Steering Column	Telescoping — 4 position tilt wheel	
113. Throttle Control	Electronic cruise control	
114. Tire Rim Color	Black	
115. Tire Rim Size	8.25 x 22.5	
116. Tires & Size Range	255/70R Load Range H Low profile	
117. Tires	Goodyear, Firestone, Hankook Balanced & Ali ed — Provide certificate of alignment	
118. Tow Hooks	Front & Rear	
119. Transmission	Allison PTS 2500 Series 5-Speed Automatic	
120. Training	FREE TRAINING (Diagnostic & Electrical) HANDS ON FOR "ALL WCS MECHANICS" in one session	
121. Trash Container & Holding Device	UL Classified fire resistant polyethylene or equivalent material, 14 quart or less, holding device designed to prevent movement and easy removal/replacement, installed in accessible	
122. Warranty Air Compressor	5 year / 100,000 miles	
123. Warranty Alternator	3 year / 50,000 miles	
124. Warranty Axle	3 year / 50, 000 miles	
125. Warranty Chassis	3 year / 50,000 miles	
126. Warranty Differential	3 year / 50,000 miles	
127. Warranty Engine	5 year — 100,000 miles	
128. Warranty Transmission	7 year unlimited	
130. Wheelbase	Approximately 238" wheelbase	
131. Complete Parts List	Web based or printed paper copy to be delivered with bus	

Name Of Bidder		
132. ANGEL TRAX HYBRID QUEST with hard drive included	INTERIOR 4 CAMERA SYSTEM COMPLETELY INSTALLED wide angle lenses	
133. SCHOOL BUS GPS TRACKING	WCS UTILIZES AND REQUIRES ZONAR V4 WITH WIRING HARNESS — The wiring harness should monitor Power On & Off, Door Open & Close, Stop Arm and Reverse.	
134. Air Horn	Roof mounted Air Horn	
End of Specifications		