

WOOD COUNTY BOARD OF DEVELOPMENTAL DISABILITIES

1921 E. Gypsy Lane Road
Bowling Green, OH 43402

(419) 352-5115

SPECIFICATIONS AND BID FORM
for
MINIMUM BUS SPECIFICATIONS

Bus specification - **Two (2), 2021-22**, 72 passenger type C, with flat floor and lift (ADA).

Bidders must bid all items as required by the State of Ohio as stated in Ohio School Bus Minimum Standards as well as all applicable Federal Standards.

Specifications equal or better may be considered as an appropriate bid but must be noted as alternate.

Bidders are required to use the Wood County Board of Developmental Disabilities Specifications and Bid Forms. In addition to the required regulations, bidders are to include the following items and check the appropriate column.

Bus body and chassis herein are to be used for transporting students to and from public school and school activities. As such, they must conform to or exceed all applicable Federal Motor Vehicle Safety Standards and current state specifications requirements.

Please bid specifications requested in the base bid. Indicate any exceptions, as bus provided must meet bid specifications. Exceptions must be noted on this form.

Two (2) new 2021-22 model, 72 passenger front engine school bus with flat floor minimum of 77" interior headroom.

I. CHASSIS SPECIFICATIONS

Yes No Alternate

ACCELERATOR

A. Electronic hand throttle or fast idle switch.

___ ___ ___

AIR CLEANER

A. Single stage air cleaner with replaceable element and locking restriction indicator.

___ ___ ___

B. The air intake to be located above the top of radiator for cooler and cleaner air.

___ ___ ___

ALTERNATOR

A. Bosch or equivalent twelve-volt alternator of not less than 200 amps. 96 amps at idle.

___ ___ ___

AXLE (FRONT)

A. Heavy duty with 10,000 lbs. minimum capacity.

___ ___ ___

B. Oil lubed front hubs with sight glass.

___ ___ ___

C. 50-degree minimum wheel cut for the best turning radius.

___ ___ ___

	Yes	No	Alternate
AXLE (REAR)			
A. Heavy duty with 17,000 lbs. minimum.	___	___	___
BATTERIES			
A. Three 12-volt batteries with 2800 cold cranking amps total. Must be group 31 maintenance free. Stud post.	___	___	___
B. Must be mounted on ball bearing slide-out tray.	___	___	___
BRAKES			
A. The service brake to be full air brake system (disc type).	___	___	___
B. Minimum 13.2 CFM belt driven air compressor.	___	___	___
C. Minimum three individual air reservoirs.	___	___	___
D. Dust shields front and rear.	___	___	___
E. ABS brakes.	___	___	___
F. Bendix model ADIP or AD-9 or equivalent heated air dryer with spin on filter.	___	___	___
COOLING SYSTEM			
A. Heavy duty radiator.	___	___	___
B. Sight glass / transparent reservoir for coolant level required.	___	___	___
C. Viscous fan clutch.	___	___	___
DESIGN			
A. Type C bus with 3 piece easy tilt hood.	___	___	___
ENGINE			
A. Propane powered engine with 750-watt block heater with front-receptacle box to plug in cord.	___	___	___
B. 265 HP min., approximately 450 ft/lb. torque.	___	___	___
C. Full flow type oil filter, replaceable spin on element, Full-Synthetic Motor Oil	___	___	___
FRAME			
A. All bolted construction using Grade 8 self-locking frame bolts.	___	___	___
B. Minimum dimensions:			
1. 10 1/8" frame height	___	___	___
2. 3" flange width	___	___	___
3. 5/16" minimum thickness	___	___	___
C. Heavy duty 7" or 8" high end to end cross members.	___	___	___
FUEL TANK			
A. 75 gal min – propane	___	___	___
SHOCK ABSORBERS			
A. Heavy duty shocks with a minimum of two front shocks and two rear.	___	___	___
SUSPENSION			
A. Front 10,000 lbs. spring suspension.	___	___	___
B. Rear 19,000 air suspension.	___	___	___
STEERING GEAR			
A. Integral full power.	___	___	___

	Yes	No	Alternate
STEERING WHEEL			
A. Heavy duty mounting.	___	___	___
B. 18" minimum diameter soft touch wheel.	___	___	___
C. Tilt.	___	___	___
TIRES			
A. 16 ply tubeless 255/70/22.5 tires to be installed	___	___	___
TRANSMISSION			
A. Automatic transmission, full-synthetic fluid	___	___	___
B. Equipped with Trans cooler.	___	___	___
WARRANTY			
A. Engine - 5 year, 100,000 miles, 100% parts and labor.	___	___	___
B. Transmission - 5-year unlimited mileage.	___	___	___
WHEELS			
A. Alcoa Aluminum	___	___	___
WHEELBASE			
A. Shall be proper wheelbase to support the specified 72 passenger body. Minimum 270" to 276" wheelbase.	___	___	___
 II. BODY SPECIFICATIONS			
BRAUN LIFT			
A. Millennium 2 or newest version, or equal, with 34" Platform.	___	___	___
B. ADA Lift Door 43" Wide, 69.75" High - 1 doors.	___	___	___
C. Lift location rear right side.	___	___	___
D. Stanchion and barrier in front of wheelchair lift not to exceed 30" from side wall.	___	___	___
OCCUPANT RESTRAINT SYSTEM			
Sure Lok Retractor Series for L-Track or equivalent.	___	___	___
The parts and numbers are below.			
A. Six (6) retractor Kit FE200855S/FE200907S or equivalent. (S-hooks) (Quantity 24 retractors)	___	___	___
B. Six (6) Integrated Lap Belt Kit (96" long) or equivalent. (Quantity 6 lap belts)	___	___	___
C. Six (6) Shoulder Belt (82" long) or equivalent. (Quantity 6 shoulder belts)	___	___	___
D. Six (6) Mesh Storage Container #FE201145 or equivalent.	___	___	___
BUMPERS			
Must be able to withstand jacking up of bus with bumper lift jack.	___	___	___
COLOR			
A. EXTERIOR: National School Bus Yellow with baked polyurethane paint only.	___	___	___
B. EXTERIOR ROOF: to be painted white with baked polyurethane paint only.	___	___	___

	Yes	No	Alternate
CONSTRUCTION			
A. Vehicle MUST be constructed to meet or exceed all Federal Motor Vehicle Safety Standards and State specifications in effect at time of manufacture.	___	___	_____
B. Bow frames shall be continuous one-piece design from floor line to floor line.	___	___	_____
C. Side minimum 16-gauge panel.	___	___	_____
D. Wheel chock storage on right side exterior 12" x 12" x 12" min	___	___	_____
EMERGENCY EXITS			
A. 2-specially low-profile roof hatch is required, 4 push out windows with audible alarm.	___	___	_____
EXTERIOR LETTERING			
B. Lettering on bus per State and Federal standards.	___	___	_____
C. Buses to have reflective striping, front and rear school bus signs to be reflective per State and Federal standards.	___	___	_____
HEATERS/DEFROSTERS/AC			
A. Front heater(s) 90,000 BTUs minimum. 50,000 BTU right front	___	___	_____
B. 80,000 Btu mid-ship , 80,000 Btu Right rear wall heaters.	___	___	_____
C. Full length defroster channel required at base of windshield.	___	___	_____
D. Two (2) heater shut off valves to be in engine compartment, will be ball valves. Easily accessible heater shut off valves.	___	___	_____
E. Two (2) 6" defrosting fans above windshield.	___	___	_____
F. Heat circulation pump	___	___	_____
G. Rooftop condenser 120,000 BTU or greater	___	___	_____
H. Vents in front and rear bulkheads	___	___	_____
IDENTIFICATION			
A. WOOD LANE SCHOOL - WOOD COUNTY on both sides of each bus.	___	___	_____
B. New Bus Number – 17 and 18	___	___	_____
a. Number placed near front service door is at approximately eye level	___	___	_____
INTERIOR			
A. Free of all unnecessary projections. Hemmed edges on interior panels.	___	___	_____
B. Interior side panels below side windows to seat rail to be marproof aluminized panels.	___	___	_____
C. 77" minimum. To include 12" window openings to provide largest opening for emergency use.	___	___	_____
D. Air operated outward opening entry doors with 36" min stepwell.	___	___	_____
E. Handrails on each side of step well.	___	___	_____
F. Install body fluid kit with safety equipment.	___	___	_____
G. Driver glovebox	___	___	_____
H. One-piece floor covering	___	___	_____
I. Two-way radio pre-wired and antenna.	___	___	_____
EXTERIOR LIGHTING			
A. Eight-way warning lights system hooded to improve visibility.	___	___	_____
B. 7" stop tail turn signal and back up lights, install LED head lights.	___	___	_____
C. Install low profile strobe light behind rear hatch. LED.	___	___	_____
D. Complete LED light package, every light.	___	___	_____

Yes No Alternate

- E. Lamp-check system
- F. Engine compartment light
- G. Supplemental warning lights – front and rear, bumper mount, in accordance with Ohio State Highway Patrol specifications.

INSULATION

- A. Ceiling, sides, front and rear to be insulated with 1.5" minimum (no exceptions).

INSTRUMENT PANEL

- A. Instruments on dash:
 - a. Speedometer/odometer
 - b. Voltmeter.
 - c. Low oil pressure warning light and buzzer.
 - d. Oil pressure gauge.
 - e. Water temperature gauge.
 - f. High water temp, warning light and buzzer.
 - g. Hour meter
 - h. Tachometer
 - i. Fuel level
 - j. Headlight indicator.
 - k. Self-canceling directional signals.
 - l. Emergency door audible alarm.
 - m. Lift door with green flashing light on dash
 - n. AM/FM radio
 - o. Dual air pressure gauges.
 - p. Dual horns
 - q. 12-volt accessory plug
 - r. Railroad quiet switch
 - s. Transmission temp gauge
 - t. Cruise control

MIRROR

- A. FMVSS 111 exterior rear view. Power adjust, heated. Rosco Avia Style or Rosco Eurostyle or equivalent
- B. Two (2) quadri-spherical crossover, Heated.
- C. 6" x 30" interior passenger mirror with sun visor.
- D. Mirrors must be mounted in a way that eliminates vibration.
- E. Exterior stainless mirror brackets

MUD FLAPS

- A. Front and rear required. No advertising or dealership markings.

OPENINGS

- A. All openings in floor, floorboard, firewall, or bulkhead between chassis and body shall be properly sealed to prevent water, dust, or exhaust from entering the passenger compartment.

OWNERS MANUALS

- A. Must furnish parts manuals and service manuals with each bus.

	Yes	No	Alternate
SEATS			
A. Passenger seat frames to be powder coated flat black with blue or gray upholstery.	___	___	___
B. Driver's seat shall be air operated, high back and tilt back with lumbar support and right arm rest.	___	___	___
C. Seat barriers will have kick panels to floor	___	___	___
D. Seat spacing 30" seat back to seat back	___	___	___
E. 4 - 30" right side, 2 seat belt per seat. (3 permanent and 1 track seat)	___	___	___
F. 6 - 36" or 39" left side, 2 seat belts per seat. (All track seats)	___	___	___
G. 3 point seat belts installed	___	___	___
H. Powder coated L track on seats.	___	___	___
1. Powder coated L-track from barrier in front of lift to first permanent seat on right side of bus.	___	___	___
2. Full length on left side of bus starting at rear wall and continuing forward for full length of bus.	___	___	___
3. 4. Shoulder strap L track for wheelchairs on side of bus to be length of L track on floor.	___	___	___
RUBRAILS			
A. Minimum of four rub rails on sides. All rub rails to be sealed to prevent road salt and mud from getting behind rails and painted black.	___	___	___
TOWING			
A. Four towing hooks to be provided, 2 front and 2 rear.	___	___	___
UNDERCOATING			
A. Chassis must be painted after assembly and prior to body installation. Entire Underbody and body mountings to be undercoated after body to chassis mounting.	___	___	___
VENTILATION			
A. Static roof ventilator front section of bus.	___	___	___
B. Driver controlled fresh air vent.	___	___	___
WARRANTY			
A. A 100,000 mileage warranty must be provided.	___	___	___
1. 5 years - Frame, cross members, body structure, rust deterioration, paint adhesion, seat and barrier frames.	___	___	___
2. 2 years - all original components manufactured by company	___	___	___
3. 1 year - all vendor supplied items	___	___	___
B. All warranty work to be done on premises or transported by Dealer at Dealers expense.	___	___	___
C. Bus must pass Ohio State Highway Patrol inspection prior to payment.	___	___	___
WINDOW			
A. Passenger windows to provide approximate 12" openings.	___	___	___
B. Release mechanism for windows must be integrated into sash for easier operation.	___	___	___
C. All latches shall be removable and replaceable without removing the window.	___	___	___
D. Dark tinted side windows.	___	___	___

	Yes	No	Alternate
WINDSHIELD			
A. Shaded top of windshield.	—	—	—
WINDSHIELD WIPERS AND WASHERS			
A. One H.D. electric operated intermittent control.	—	—	—
B. Washer reservoir shall be 1gallon capacity minimum.	—	—	—
WIRING			
A. Color coded, numbered and fire retardant.	—	—	—
B. Wiring encased in loom with convoluted properties.	—	—	—
C. Noise suppression switch.	—	—	—
D. Wiring to be accessible without removing or loosening side windows or roof sheets.	—	—	—
E. Fastened at no more than 24" intervals.	—	—	—
F. Override switch must work in any key position, including the key being out of the ignition	—	—	—
LOCKS			
A. No locks	—	—	—

BID FORM FOLLOWS

Two (2) 2021-22 72 Passenger Type C, Flat Floor with Wheelchair Lift (Handicapped)

Each \$ _____ TOTAL \$ _____

Total New Purchase Price \$ _____

Trade-In – (2) 2010 Blue Bird Propane Bus, local bus #11 and #14 \$ (_____)

Total F.O.B. Wood County Board of
Developmental Disabilities \$ _____

Please provide a quote for each of the following options:

A. Quote engine diagnostic software and hardware package specific to manufacture\$ _____

OPTIONS \$ _____

Signature of Authorized Representative

Name of Authorized Representative (Print)

Name of Company

Address

City State Zip

Telephone Date

Date of Delivery

- Note: Yes
1. Have you included your bid bond? _____
 2. Have you signed your bid? _____
 3. Have you included your property tax non-delinquent form, properly executed? _____
 4. Have you included your non-collusion affidavit form, properly executed? _____

NON-COLLUSION AFFIDAVIT

State of Ohio,)

SS:

County of Wood,)

I, _____ being first duly sworn, deposes and says that he/she is the _____ or authorized representative of _____ or is the party submitting this bid; that such bid is genuine and not collusive or sham; that said bidder has not directly or indirectly or indirectly colluded, conspired, connived, or agreed, indirectly or indirectly, with any other bidder or person, to submit a sham bid, or refrain from bidding; that said bidder has not in any manner, directly or indirectly, sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of affiant or any said bidder; to fix any overhead, profit, or cost element of said bid price, or of that of any other bidder; to secure any advantage against the County of Wood or any person or persons interested in the proposed contract; that all statements contained in such proposal of bid are true and that, such bidder has not, directly or indirectly, submitted this bid, or the contents thereof, or divulged information or data relative thereto to any other potential bidder. Further, Affiant affirms that no county employee has any financial interest in this company, or the bid being submitted.

Affiant Signature and Title

Sworn to before me and subscribed in my presence this _____ day of _____, 2020

Notary Public

(Seal)

My Commission expires:

Date

**AFFIDAVIT OF CONTRACTOR OR SUPPLIER OF NON-DELINQUENCY
OF PERSONAL PROPRTY TAXES – O.R.C SECTION 5719.042**

State of Ohio,)

SS:

County of Wood,)

TO: The undersigned being first duly sworn, having been awarded a Contract by you for _____ hereby states that we were not charged at the time the Bid was submitted with any delinquent personal property taxes on the general tax list of personal property of any County in which you as a taxing district have territory and that we were not charged with delinquent personal property taxes on any such tax list.

In consideration of the award of the Contract, the above statement is incorporated in said Contract as a covenant of the undersigned.

Signature and Title

Sworn to before me and subscribed in my presence this _____ day of _____, 2020

Notary Public

(Seal)

My Commission expires:

Date

Ohio Revised Code Section 5719.042 provides as follows:

After the award by a taxing district of any Contract let by competitive Bid and prior to the time the Contract is entered into, the person making a Bid shall submit to the district's fiscal officer a statement affirmed under oath that the person with whom the Contract is to be made was not charged at the time the Bid was submitted with any delinquent personal property taxes on the general tax list of personal property of any County in which the taxing district has territory or that such person was charged with delinquent personal property taxes on any such tax list, in which case the statement shall also set forth the amount of such due and unpaid delinquent taxes and any due and unpaid penalties and interest thereon. If the statement indicates that the taxpayer was charged with any such taxes, a copy of the statement shall be transmitted by the fiscal officer to the county treasurer within thirty days of the date it is submitted.

A copy of the statement shall also be incorporated into the Contract, and no payment shall be made with respect to any Contract to which this section applies unless such statement has been so incorporated as a part thereof.