



October 5 2020

53 pass s/n

Specifications prepared for **Roane County Schools** for one (1) or more new 2022 Blue Bird 53-passenger "Vision" gasoline powered conventional special education school buses. **(Actual capacity – 45 seated)**

Chassis Specifications:

- 217" wheel base
- 10,000 lb. front axle
- 21,000 lb. rear axle with 5.29 ratio
- Hendrickson rear air ride suspension
- Electronic stability control with automatic traction control
- Front and rear shocks
- Bendix air disc brake system
- Dust shields
- Bendix-Westinghouse AD-IP air dryer
- 4-channel A.B.S. braking system
- Heater water pump
- Brake interlock for parking brake
- 13.2 cfm compressor
- Front axle oil seals, synthetic lube, 75 W/90
- Heavy duty bumper – 15"
- Ford 6.8 liter, V-10 gasoline engine. 320 horsepower with 460 ft.lb.torque
- Brake interlock for wheelchair lift door
- Ford torqueshift 6-speed automatic transmission, 6R140
- Engine alarm system
- 8.25 x 22.5 hub-piloted wheels
- **255/70R x 22.5 tubeless radial tires, highway front and traction rear – Michelin 16-ply, XZE and XMD**
- Battery disconnect switch
- Three (3) Group 31 batteries, 2100 cca
- Wig/Wag low air pressure indicator

Chassis Specifications continued:

- 280 amp alternator – Leece/Neville
- Dual horns
- 60 gallon fuel tank mounted between rear frame rails
- Fiberglass tilt hood with fender mounted turn signals
- Voltmeter/ammeter
- Tachometer
- Front and rear tow hooks
- Telescopic/tilt steering column
- Daytime running lights
- Halogen headlights
- Engine hour meter
- Transmission temperature gauge
- Trip odometer
- Digital dash clock
- Cruise control
- Cooling hoses with constant torque clamps
- Anti-freeze protected to -34 degrees
- Circuit breakers
- Power steering with 50 degrees wheel cut
- **Rear exit exhaust through rear bumper**
- Multi-Plex wiring with L.E.D. readout in dash
- 5-year/unlimited-mile engine and transmission warranty

Body Specifications:

- Dual heater cut-off valves
- Complete insulation
- Locking fuel tank door
- Latching battery compartment
- Aluminized interior side panels
- Extended seat rub rail
- Bumper rub rail
- 4-applied side body rub rails
- Dash mounted glove box

Body Specifications continued:

- 4-piece tinted/shaded windshield
- Lower glass rear emergency door
- Two (2) roof escape hatch/ventilators
- Two (2) side emergency push-out windows, one (1) per side
- Sound deadening spray
- Heavy duty DOT construction
- 12" rear bumper
- **Flat floor construction**
- 77" interior headroom with 12" split sash windows
- 3-step stepwell with pebble top treads
- Wheelchair lift door – right rear overhang (58.5" high x 45" wide)
- Outward opening entrance door – air operated
- Two (2) exterior side mounted locking tool compartments
- Aluminum aisle trim
- Fuel sender plate
- Rubber body isolators front and rear
- 16-gauge steel exterior side panels – smooth
- Vandal locks for service and emergency doors

Electrical Specifications:

- Two (2) auxiliary windshield defroster fans
- 90,000 BTU left front heater/defroster; 50,000 BTU recessed stepwell heater; 80,000 BTU rear wall mounted heater; full-width windshield and driver's window defroster; 3-speed defroster and driver's heater switches; cleanable filter
- 7" stop and turn signals
- Locking exterior electrical compartment mounted below driver's window
- Interior dome lights – double row, 15 candlepower
- Side body directional signals
- Hooded 8-lamp warning system – halogen lamps (individual hoods)
- Air operated side body stop-arm with L.E.D. strobe lights
- L.E.D. clearance lights
- Warning light monitor system
- Child minder system
- Roof mounted LED strobe light
- Drivers dome light, 15 candlepower

Electrical Specifications continued:

- Air operated crossing control arm
- West Virginia heater connectors
- Master switch with red pilot light
- Exterior entrance door and wheelchair lift door approach lights
- Clearance, cluster, I.D., and 8-way warning lights wired hot
- **AM/FM/USB-MP3 compatible/PA system with (8) interior speakers and (1) exterior speaker**
- **Seon video surveillance system per customer requirements**
- Constant torque heater hose clamps
- Utility plug-in
- Back-up alarm
- Body solenoid switch
- Step well light – 15 candlepower
- 7" back-up lights
- 4" stop and tail lights
- LED back-up lights mounted under bus, behind rear wheels
- Interior lift area light
- Dash mounted green pilot light to alert for lift door open
- Buzzer for rear emergency door
- Automatic resetting circuit breakers
- Color- and number-coded wiring

Paint and Lettering Specifications:

- N.S.B.C. exterior – polyurethane
- Astro-white interior color
- **White roof**
- All required "School Bus" lettering
- 3M Diamond-grade reflective tape
- "Handicap" decal

Seating Specifications:

- Fully-padded DOT high-back seats and barriers
- **Left side seating front to back: One (1) 39" UCRA "latch" (CRS) seat, two (2) 39" CRS seats, two (2) 39" high back seats, three (3) 39" high back seats track mounted, one (1) 30" high back seat track mounted**

Seating Specifications continued:

- Right side seating front to back: One (1) 39" UCRA "latch" (CRS) seat, two (2) 39" CRS seats, two (2) 39" high back seats, two (2) 30" high back seats, track mounted
- Heavy duty gray upholstery
- National adjustable high-back air driver's seat with fabric insert, retractable shoulder harness seat belt and arm rest
- Seat belt cutter
- Tilt-up seat cushions
- **Two (2) sets of wheelchair tie downs – QRT Deluxe retractable**
- **All seats are Blue Bird "NextGen" convertible lap belt ready**
- **45-passenger capacity**

Accessory Specifications:

- All required safety and emergency equipment
- Header pads for service door and emergency door
- Front and rear mud flaps
- Forward grab rail
- 5/8" marine grade plywood sub-floor, screwed down
- Gray rubber transit floor and step treads
- Molded exterior rear rubber fenders
- **6" x 30" clear interior mirror and 6" x 30" plexiglass visor**
- **28% bronze tint for all side and rear glass**
- Wet-arm wiper blades
- Dual electric windshield wipers with intermittent switch
- Full-length acoustical headliner
- Cup holder
- Braun NCL1000FIB3451-2 automatic wheelchair lift, 1000 lb. capacity
- **Rosco heated remote controlled rearview exterior mirrors – with extended warranty**
- Heated crossview mirrors with bell mounts and extended warranty
- **Locking drivers storage compartment above drivers window**
- **MCC/Carrier 100000 BTU free blow A/C system with front and rear in-wall evaporators and skirt mounted condensers**
- 5-year/100,000-mile limited warranty

Total Cost, per unit, per bid	\$82,852.00
Additional options	\$24,217.00
Delivery	\$ <u>1,200.00</u>
Sale Price	\$108,269.00

Per photograph attached, if exterior rear skirt mounted back-up lights are satisfactory in lieu of LED back-up lights mounted under bus behind rear wheels, subtract \$400.00

Agreed to by Customer:		Agreed to by Blue Bird of West Virginia:	
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Name		Name	
<hr/>		<hr/>	
Title		Title	
<hr/>		<hr/>	
Authorized Signature	Date	Authorized Signature	Date

U.S. Rear Wall

U.S. Front Bow

LH

RH

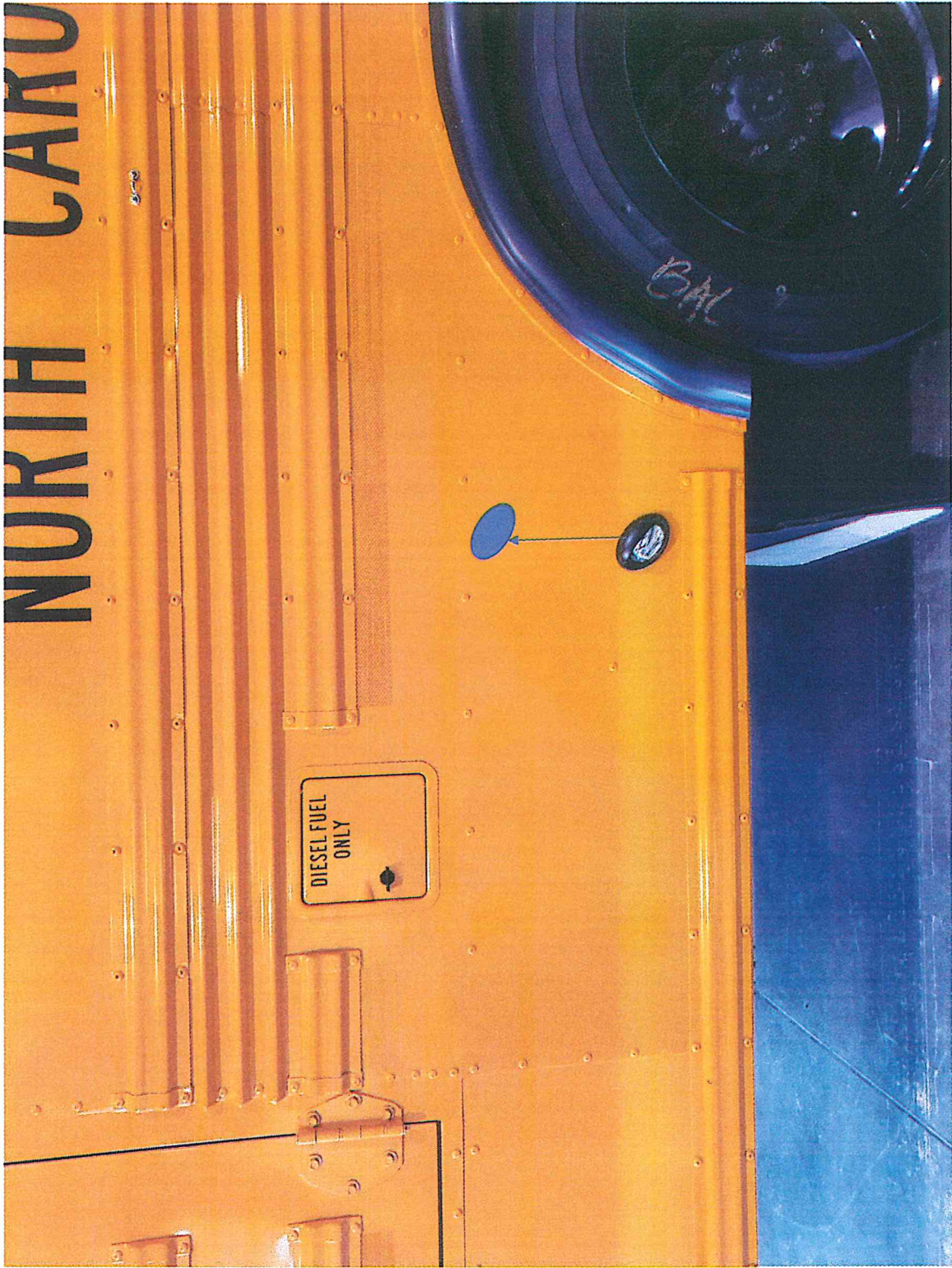
Lift Door

Speaker	SPL (dB)
#9	244.00
#8	217.00
#7	190.00
#6	163.00
#5	135.50
#4	108.00
#3	80.50
#2	53.00
#1	25.50
Front Bow	3.25

DO NOT SCALE[illegible]

Seat Plan Spacing Chart







September 30 2020

Gasoline

Specifications prepared for **Roane County Schools** for new 2022 Blue Bird 77-passenger "Vision" conventional school buses.

Chassis Specifications:

- 273" wheel base
- 10,000 lb. front axle and suspension
- 23,000 lb. rear axle with 5.29 ratio
- Hendrickson rear air ride suspension
- Electronic stability control with automatic traction control
- Front and rear shocks
- **Bendix air disc brake system**
- Bendix-Westinghouse AD-IP air dryer
- 4-channel A.B.S. braking system
- 13.2 cfm compressor
- Front axle oil seals – synthetic lube
- Low idle, 5-minute shut down
- Dust shields
- Heavy duty front bumper – 15"
- Heater water pump
- Battery disconnect switch
- Ford 6.8 ltr. V-10 gasoline engine. 320 horsepower with 460 ft.lb. torque
- Ford torqueshift 6R140 6-speed automatic transmission
- Engine alarm system
- 8.25 x 22.5 hub-piloted wheels
- **11R x 22.5 tubeless radial tires, RHA highway front and RHD traction rear – Cooper 14-ply**
- Three (3) Group 31 batteries, 2100 cca
- 280 amp alternator – Leece/Neville
- Brake interlock
- Dual horns
- **100-gallon fuel tank mounted between frame rails**
- Fiberglass tilt hood with fender mounted turn signals, 9 lb. maximum effort to open
- Voltmeter/ammeter
- Tachometer
- Wig/Wag low air pressure indicator

Chassis Specifications continued:

- Front and rear tow hooks
- Telescopic/tilt steering column
- Daytime running lights
- Halogen headlights
- Engine hour meter
- Transmission temperature gauge
- Trip odometer
- Digital dash clock
- Cruise control
- Cooling hoses with constant tension clamps
- Anti-freeze protected to -34 degrees
- Circuit breakers
- Power steering with 50 degrees wheel cut
- **Left side exit exhaust**
- Multi-Plex wiring with L.E.D. readout in dash
- 5-year/unlimited mile engine and transmission warranty

Body Specifications:

- Dual heater cut-off valves
- Complete insulation
- Locking fuel tank door
- Latching battery compartment
- Aluminized interior side panels
- Extended seat rub rail
- Bumper rub rail
- 4-applied side body rub rails
- 4-piece tinted/shaded windshield
- Lower glass rear emergency door
- Four (4) side emergency push-out windows, two (2) per side – Vertical hinge
- Two (2) roof escape hatch/ventilators
- Sound deadening spray
- Heavy duty DOT construction
- 12" rear bumper
- 77" interior headroom with 12" split sash windows
- 3-step step well with pebble top step treads
- Outward opening entrance door – air operated

Body Specifications continued:

- Two (2) exterior side mounted locking tool compartments
- Aluminum aisle trim
- Fuel sender plate
- Rubber body isolators front and rear
- 16-gauge steel exterior side panels – smooth
- Vandal locks for service and emergency doors

Electrical Specifications:

- Two (2) auxiliary windshield defroster fans
- 90,000 BTU left front heater/defroster; 50,000 BTU recessed stepwell heater; 50,000 BTU underseat midship heater; 50,000 BTU rear underseat heater; full-width windshield and driver's window defroster; 3-speed defroster and driver's heater switches; cleanable filter
- 7" stop and turn signals
- Locking exterior electrical compartment mounted below driver's window
- Interior dome lights – double row 15 candlepower
- Side body directional signals
- Hooded 8-lamp warning system – Halogen lamps
- Air operated side body stop-arm with L.E.D. strobe lights
- L.E.D. clearance lights
- Warning light monitor system
- Child minder system
- Roof mounted LED strobe light
- Drivers dome light 15 candlepower
- West Virginia heater connectors
- Air operated crossing control arm
- Master switch with red pilot light
- Exterior entrance door approach light
- Clearance, cluster, I.D., and 8-way warning lights wired hot
- Constant torque heater hose clamps
- Utility plug-in
- Back-up alarm
- Body solenoid switch
- Step well light – 15 candle power
- 7" back-up lights
- 4" stop and tail lights
- Buzzer for rear emergency door
- Automatic resetting circuit breakers
- Color- and number-coded wiring

Electrical Specifications continued:

- AM/FM/USB/MP3 compatible/PA system with eight (8) interior speakers and one (1) exterior speaker
- Seon camera system per requirements
- LED lights mounted underfloor behind rear wheels to activate with reverse lights

Paint and Lettering Specifications:

- N.S.B.C. exterior – polyurethane
- Astro-white interior color
- **White roof**
- All required “School Bus” lettering
- 3M Diamond-grade reflective tape

Seating Specifications:

- Fully-padded DOT seats and barriers – High back
- Heavy duty gray upholstery
- National adjustable high-back air driver’s seat with fabric insert and retractable shoulder harness seat belt
- First row of seats, left and right are 39” UCRA “latch” seats
- (2) 39” Blue Bird “NextGen” convertible child restraint seats, left side, rows 2 and 3
- Seat belt cutter
- Tilt-up seat cushions
- 77-passenger capacity

Accessory Specifications:

- All required safety and emergency equipment
- Header pads for service door and emergency door
- Front and rear mud flaps
- 5/8” marine grade plywood sub-floor, screwed down
- Gray rubber transit floor and step treads
- Dash mounted glove box
- Forward grab rail
- Molded interior rear wheelhouse covers
- Molded exterior rear rubber fenders
- White rubber wear plate
- 6” x 30” clear interior mirror and 6” x 30” Plexiglass visor
- Wet-arm wiper blades
- Dual electric windshield wipers with intermittent switch
- Full length acoustical headliner
- Cup holder

Accessory Specifications continued:

- Rosco heated, remote controlled rearview exterior mirrors – with extended warranty
- Heated crossview mirrors – with extended warranty
- Locking overhead drivers storage compartment above drivers window
- **28% Bronze tint for all side and rear glass**
- **MCC/Carrier 120000 BTU (IMACA rating) free blow air conditioning system with front and rear in-wall evaporators and skirt mounted condensers**
- 5-year/100,000-mile limited warranty

Total cost, per unit, FOB Spencer West Virginia

\$100,783.00

Agreed to by Customer:	Agreed to by Blue Bird of West Virginia:
Name	Name
Title	Title
Authorized Signature	Authorized Signature
Date	Date