USD 261
HAYSVILLE SCHOOLS

Memo

TO: Haysville Board of Education

FR: Dr. Clint Schutte, Associate Superintendent of Finance

DA: May 17, 2021

RE: Bus Purchase

History / Relevance: As part of the Capital Outlay plan, the district approved going forward with the purchase of two Blue Bird Minibuses to meet the needs for Special Services Transportation.

We ask for a resolution authorizing Haysville USD 261 to purchase two Microbird G5 Minibuses from Kansas Truck Equipment Company for $67,173 and $75,928, respectively, based on specifications. (see attached bids and specs)

Why: The increasing need for specialized transportation and the age of our current fleet dictates the need to purchase additional buses.

Where: From Kansas Truck Equipment Company here in the Wichita area.

When: Place the orders now for delivery as soon as possible.

How: Bids with specifications were sent to three companies, and only Kansas Truck decided to bid. This is not an unusual practice for BlueBird specific purchases. (see attached bid letters)

Who: Associate Superintendent of Finance, Director of Transportation

How Much: $143,101

KansasTruck
EQUIPMENT COMPANY, INC.

April 15, 2021

Haysville USD #262
Attn: Mr. Steve Brown
7337 S. Meridian Ave.
Haysville, KS 67060

Ladies and Gentlemen:

Pursuant to your bid invitation and the specifications included therein, we are pleased to submit the following proposal.

The BLUE BIRD School Bus being quoted **MEETS OR EXCEEDS** all the requirements of the State of Kansas and all the specifications set forth by the school, unless noted herein. Further, the BLUE BIRD School Bus Body carries a FULL 12 MONTHS, 12,000 MILES WARRANTY on ***ALL*** workmanship and materials.

Quantity ONE Model Number 2021 Microbird G5

Capacity 21 - passenger Chassis Wheelbase 139" Wheelbase

Following is our quotation on a COMPLETE BLUE BIRD School Bus (es) BODY **and** CHASSIS described above:

Complete Bus, F.O.B. Haysville, KS, each $ 67,173.00

This quotation is subject to cancellation if not accepted within 30 days from your scheduled bid opening. All pricing quoted herein is Excise Tax Exempt based on your supplying us with proper Tax Exemption Certificates.

NOTES AND/OR OPTIONS:

Respectfully submitted,

By _____

Brian P. Linnens

MICRO BIRD® G5 - SCHOOL BUS

*The Industry **Leader**.*



Tested & approved

Versatile transportation for up to 30 passengers

Available in 2018

PROPANE

Propane-Powered Available



Special needs Micro Bird with double-leaf wheelchair doors offer protection on both sides of the lift, thus adding to passenger safety, while offering superior weather seal and door strength.



Integrated child seats and 3-point lap and shoulder seat belts are available for enhanced safety and versatility.



Maximum visibility of loading zone is provided by fully-glassed entrance door and unobstructed "More-View" window. Standard 32" electric double-opening door.

Blue Bird. Built to Take on Tomorrow.

MICRO BIRD by GIRARDIN

MICRO BIRD® G5 - SCHOOL BUS

BODY DIMENSION	Chevy/GMC			Ford		
Model	100	200	200C	100	200	200C
Max passenger capacity	20/24	30	24.	22	30	24
Number of rows	3/4	5	5	54	5	5
Exterior length overall	243"/263"	289"	289"	257"	283"	283"
Exterior width overall	96"	96"	96"	96"	96"	96"
Exterior height overall	110"	112"	118"	111"	113"	118"
Interior floor length	135"/151.25"	177.25"	177.25"	151.25"	177.25"	177.25"
Interior width at hip	93"	93"	93"	93"	93"	93"
Interior height at center line	76"	76"	76"	76"	76"	76"
Entrance door	32" x 77"	32" x 77"	32" x 82"	32" x 77"	32" x 77"	32" x 82"
Side windows	35" x 30"	35" x 30"	35" x 30"	35" x 30"	35" x 30"	35" x 30"
Rear bumper	3/16" x 9.5" with 12" wrap around			3/16" x 9.5" with 12" wrap around		

CHASSIS	Chevy/GMC			Ford		
Model	100	200	200C	100	200	200C
Wheelbase	139"	159"	159"	138"	158"	158"
Engine	6.0 L gas			6.2 L gas / 6.8 L gas		
Transmission	6-Speed automatic heavy-duty overdrive			6-Speed overdrive		
GVWR	12,300 lbs / 14,200 lbs			11,500 lbs	12,500 lbs / 14,000 lbs / 14,500 lbs	
Fuel tank	33 gallons			40 gallons		
Brakes	4-wheel anti-lock, 4-wheel disc			4-wheel disc		
Tires	LT225/75R16E all-season, blackwall			LT225/75RX16E BSW all-season		
Alternator	200 amp.			150 amp. HD / 155 amp. HD		
Battery	600 & 770 CCA			72 amp.		

OPTIONS

- Air conditionning
- Audio/ P.A. systems
- Back-up sensors
- Bumper aluminum
- Driver side auxiliary step
- Electronic sleeping children monitoring system
- Entrance door grab handle right
- Floor plywood 5/8" & marine grade
- Heater 42,000 BTU
- Integrated toddler seats
- Lap and shoulder belt seating
- Lift wheelchair tie-down
- Light monitoring system
- Luggage containment systems
- Reflective exterior signs
- Remote / heated mirrors
- Rub rail skirt level
- Rub rail window level
- Vandal lock system
- Wheelchair and occupant restraint system
- Wheelchair lift with interlock device

And many more ...

ENHANCED SAFETY

All our vehicles are reinforced by the heavy-gauge steel side impact barriers that incorporate the seat rail into the design for extra protection.

BUILT TO LAST STRUCTURE

At Micro Bird, safety and durability work as one. Our one-piece galvanized steel roof bows and aluminum side body panels bring longevity.

TOTAL COST OF OWNERSHIP

Our buses are built with the best quality materials which reduce maintenance costs and save you money in the long run.



Reinforced Structure

- Aluminum side body panels for longevity and low repair costs
- One piece galvanized steel roof bows
- HD package available for harsh driving conditions
- Extra structural reinforcement to meet stringent requirements



Enhanced safety

- Heavy-gauge steel side impact barriers
- Easy access to control panel
- Maximum visibility with the more-view window and the fully glassed entrance door



Superior Insulation and Quietness

- 1.5" fiberglass throughout
- Insulated roof bows
- Prevents condensation and corrosion
- Reduction of noise transfer into passenger compartment

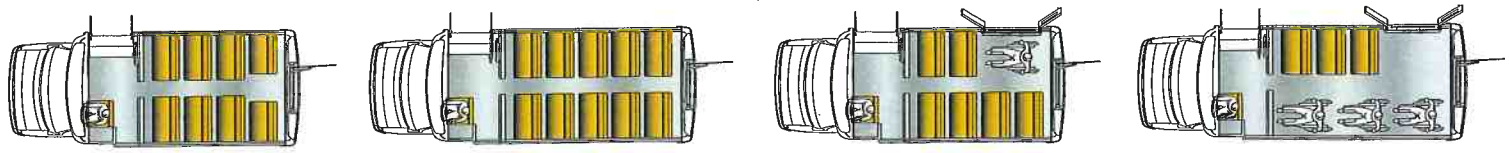


Increased Comfort

- Wider seating for superior comfort
- Wide body design creating large aisle
- Better compartmentalization
- Better knee clearance and modularity

Seat plans

A wide range of configurations to better accommodate your needs.



Specifications shown in this brochure were in effect at the time of printing. In keeping with its policy of continual improvement Micro Bird, Inc reserves the right to change specifications without notice and without incurring obligations.

KansasTruck
EQUIPMENT COMPANY, INC.

April 15, 2021

Haysville USD #262
Attn: Mr. Steve Brown
7337 S. Meridian Ave.
Haysville, KS 67060

Ladies and Gentlemen:

Pursuant to your bid invitation and the specifications included therein, we are pleased to submit the following proposal.

The BLUE BIRD School Bus being quoted **MEETS OR EXCEEDS** all the requirements of the State of Kansas and all the specifications set forth by the school, unless noted herein. Further, the BLUE BIRD School Bus Body carries a FULL 12 MONTHS, 12,000 MILES WARRANTY on ***ALL*** workmanship and materials.

Quantity ONE Model Number 2021 Microbird G5

Capacity 14/12+2 - passenger Chassis Wheelbase 159" Wheelbase

Following is our quotation on a COMPLETE BLUE BIRD School Bus (es) BODY **and** CHASSIS described above:

Complete Bus, F.O.B. Haysville, KS, each $ 75,928.00

This quotation is subject to cancellation if not accepted within 30 days from your scheduled bid opening. All pricing quoted herein is Excise Tax Exempt based on your supplying us with proper Tax Exemption Certificates.

NOTES AND/OR OPTIONS:

Respectfully submitted,

By _____

Brian P. Linnens

MICRO BIRD® G5 - SCHOOL BUS

The Industry Leader.



Tested & approved

Versatile transportation for up to 30 passengers

Available in 2018

PROPANE

Propane-Powered Available



Special needs Micro Bird with double-leaf wheelchair doors offer protection on both sides of the lift, thus adding to passenger safety, while offering superior weather seal and door strength.



Exclusive

Integrated child seats and 3-point lap and shoulder seat belts are available for enhanced safety and versatility.



Maximum visibility of loading zone is provided by fully-glassed entrance door and unobstructed "More-View" window.

Standard 32" electric double-opening door.

Blue Bird. Built to Take on Tomorrow.

MICRO BIRD by GIRARDIN

MICRO BIRD® G5 - SCHOOL BUS

BODY DIMENSION	Chevy/GMC			Ford		
Model	100	200	200C	100	200	200C
Max passenger capacity	20/24	30	24	22	30	24
Number of rows	3/4	5	5	54	5	5
Exterior length overall	243"/263"	289"	289"	257"	283"	283"
Exterior width overall	96"	96"	96"	96"	96"	96"
Exterior height overall	110"	112"	118"	111"	113"	118"
Interior floor length	135"/151.25"	177.25"	177.25"	151.25"	177.25"	177.25"
Interior width at hip	93"	93"	93"	93"	93"	93"
Interior height at center line	76"	76"	76"	76"	76"	76"
Entrance door	32" x 77"	32" x 77"	32" x 82"	32" x 77"	32" x 77"	32" x 82"
Side windows	35" x 30"	35" x 30"	35" x 30"	35" x 30"	35" x 30"	35" x 30"
Rear bumper	3/16" x 9.5" with 12" wrap around			3/16" x 9.5" with 12" wrap around		

CHASSIS	Chevy/GMC			Ford		
Model	100	200	200C	100	200	200C
Wheelbase	139"	159"	159"	138"	158"	158"
Engine	6.0 L gas			6.2 L gas / 6.8 L gas		
Transmission	6-Speed automatic heavy-duty overdrive			6-Speed overdrive		
GVWR	12,300 lbs / 14,200 lbs			11,500 lbs	12,500 lbs / 14,000 lbs / 14,500 lbs	
Fuel tank	33 gallons			40 gallons		
Brakes	4-wheel anti-lock, 4-wheel disc			4-wheel disc		
Tires	LT225/75R16E all-season, blackwall			LT225/75RX16E BSW all-season		
Alternator	200 amp.			150 amp. HD / 155 amp. HD		
Battery	600 & 770 CCA			72 amp.		

OPTIONS

- Air conditionning
- Audio/ P.A. systems
- Back-up sensors
- Bumper aluminum
- Driver side auxiliary step
- Electronic sleeping children monitoring system
- Entrance door grab handle right
- Floor plywood 5/8" & marine grade
- Heater 42,000 BTU
- Integrated toddler seats
- Lap and shoulder belt seating
- Lift wheelchair tie-down
- Light monitoring system
- Luggage containment systems
- Reflective exterior signs
- Remote / heated mirrors
- Rub rail skirt level
- Rub rail window level
- Vandal lock system
- Wheelchair and occupant restraint system
- Wheelchair lift with interlock device

And many more ...

ENHANCED SAFETY

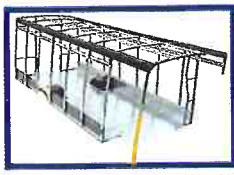
All our vehicles are reinforced by the heavy-gauge steel side impact barriers that incorporate the seat rail into the design for extra protection.

BUILT TO LAST STRUCTURE

At Micro Bird, safety and durability work as one. Our one-piece galvanized steel roof bows and aluminum side body panels bring longevity.

TOTAL COST OF OWNERSHIP

Our buses are built with the best quality materials which reduce maintenance costs and save you money in the long run.



Reinforced Structure

- Aluminum side body panels for longevity and low repair costs
- One piece galvanized steel roof bows
- HD package available for harsh driving conditions
- Extra structural reinforcement to meet stringent requirements



Enhanced safety

- Heavy-gauge steel side impact barriers
- Easy access to control panel
- Maximum visibility with the more-view window and the fully glassed entrance door



Superior Insulation and Quietness

- 1.5" fiberglass throughout
- Insulated roof bows
- Prevents condensation and corrosion
- Reduction of noise transfer into passenger compartment

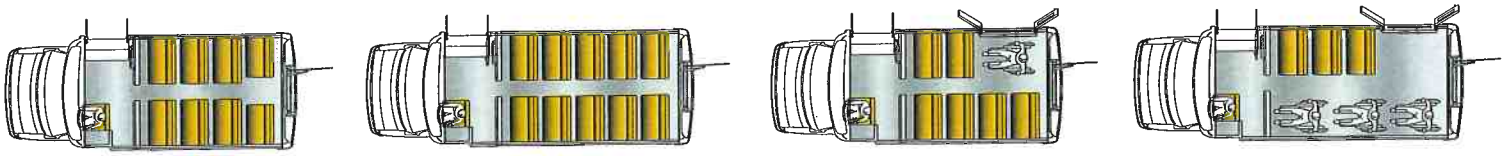


Increased Comfort

- Wider seating for superior comfort
- Wide body design creating large aisle
- Better compartmentalization
- Better knee clearance and modularity

Seat plans

A wide range of configurations to better accommodate your needs.



Specifications shown in this brochure were in effect at the time of printing. In keeping with its policy of continual improvement Micro Bird, Inc reserves the right to change specifications without notice and without incurring obligations.

Nebraska/Central Equipment, Inc.
P.O. Box 3
Alda, Nebraska 68810-0003
(308) 381-2473
Fax (308) 381-1456

April 12th, 2021

Chris Long, Director of Transportation
Haysville, USD 261
7337 South Meridian
Haysville, KS 67060

Reference: Bid for Two (2) 2021 Micro Bird G5 School Buses

To Whom It May Concern:

Thank you for the recent opportunity to bid on the above specifications. We respectfully submit a "No Bid" because we are not a licensed motor vehicle dealer in the State of Kansas and we are not familiar with the state required specifications.

Sincerely,



Tyler Cox
Nebraska/Central Equipment, Inc.

USD 261 Haysville
7337 S. Meridian
Haysville, Kansas 67060

Attn: Mr. Chris Long, Director of Transportation

Dear Mr. Long,

Ross Transportation, Inc. wishes to thank **HaysvilleUSD261** for the invitation to bid on the two (2) 2021MY, Micro Bird G5 buses.

Ross Transportation Inc. regrets to inform you that we will be unable to bid on the equipment mentioned above. As a company policy, Ross Transportation, Inc. will only sell new Micro Bird buses within the state of Oklahoma.

Ross Transportation, Inc. enters a NO BID to Haysville USD 261 for two (2) Micro Bird School Buses.

Again, we sincerely appreciate your invitation to bid and your interest in the Micro Bird line of buses. Please feel free to contact me with any questions that you may have.

Sincerely Yours,

Ryan Ross
Ross Transportation, Inc.

ROSS TRANSPORTATION
2500 S. Meridian
Oklahoma City, OK 73108
rosstran.com
O: (405) 681.6691
F: (405) 681.6693
T: (800) 965.7677

HAYSVILLE SCHOOLS USD 261

USD 261 Transportation

7337 S. Meridian Ave
Haysville, KS 67060
Phone: 316-554-2213 • Fax 316-554-2278
clong@usd261.com

Chris Long

Director of Transportation

April 7, 2021

To Whom It May Concern:

The Haysville Public School District, USD 261 is requesting written sealed bids that meet or exceed the specifications listed in this document for a two 2021 Blue Bird Microbird G-5 school buses(21 passenger and a 12+2 equipped for special education). **Written Sealed Bids must be submitted no later than 1:30 PM on April 19th for bid opening at the Haysville USD 261 Transportation Facility located at 7337 S. Meridian, Haysville, KS. 67060**

Questions regarding this bid request may be directed to USD 261 Director of Transportation Chris Long at 316-554-2213

Please list your bid specifications on a separate sheet and send to:

Chris Long

Director of Transportation

Haysville, USD 261

Transportation Facility

7337 S Meridian

Haysville, KS 67060

316-554-2213 (Phone)

316-554-2278 (Fax)

Thank you for your interest.

CHASSIS SPECIFICATIONS

Body Application:	2021 Blue Bird Microbird G-5
Passenger capacity:	12+2 equipped for special education
Chassis:	2021 Chevy 12,300lb. GVWR Dual Rear Wheel
Engine:	6.0L Vortec gas engine Air Filter-oil paper element type. Oil Filter-1 qt. full flow, disposable type
Transmission:	Automatic, with overdrive
Electrical:	Alternator, 220 AMP minimum Battery Delco Freedom 600 CCA, dual
Front/Rear Axle:	Dual rear wheel 8600 lb. rear axle - 3.73 ratio 4300 lb. front axle Heavy duty-front & rear shock absorbers
Front/Rear Springs:	Leaf springs – rear Independent coil springs-front
Chassis Frame:	139" W.B. Stabilizer bar Drive shaft guards Front bumper
Fuel tank:	35 gallon fuel tank, mounted between frame rails Fuel tank guard-frame mounted, steel, bolted/welded construction
Brakes:	Four wheel disc brakes Four wheel anti lock brakes. Parking Brakes
Tires and Wheels:	Front Tires LT-225/75R 16E-Radials-All Season Dual Rear Tires LT-225/75R 16E-Radials-All Season
Miscellaneous:	Horn - single electric, high & low note. Windshield Wipers - intermittent, coordinated washer. Drivers retractable lap & shoulder belt High back driver's seat-adjustable style, door arm rest Undercoating-front wheelhousing Tinted Windshield & driver's window Heavy Duty Radiator-extra cooling Volt.-Temp.-Oil Gauges Power Tilt steering wheel and cruise control Factory dash air-conditioning

BODY SPECIFICATIONS

BODY TYPE: 2021 Blue Bird Microbird G-5
PASSENGER SIZE: 14

AISLE
Emergency exit door, entrance door and special service entrance doors must be a 15" aisle.

BATTERY COMPARTMENT
Battery(ies) must be located on the right side immediately behind the main entrance door and mounted on a galvanized steel tray with slide out bearings. Compartment must be weather-sealed with an EPDM rubber and equipped with a drip rail and mounted on stainless steel piano hinge.

BUMPERS
- **Rear Bumper**
  School bus bumper must be a 3/16" pressed steel channel, 10" high, flanged 2" at top and bottom, with a 12" wrap around. The bumper must extend 1" beyond the rearmost part of the body surface to prevent hitching to or riding thereon.

COLORS
- **Exterior**
  The school bus body must be painted National School Bus Yellow with Sikkens low VOC high gloss acrylic Urethane paint. Between window panels and lower window sills shall be black. Roof to be painted white.

- **Interior**
  The interior must be painted white.

CONSTRUCTION
Main structure must be assembled with locked bolts, huck-fasteners, and structural rivets. Only front and rear structures may be assembled with welds.

- **Body Structure**
  Roof bows must be one-piece, floor-to-floor, hat section type and be made of 16-gauge G90 galvanized steel. Two (2) black, 18-gauge structural beams extending the full length of the body.

- **Exterior Panels**

  Exterior Rear and Front Panels
  Rear panel must be one-piece and made of fiberglass reinforced composite, with waterproof recesses for lights. The front panel must be two-pieces made with fiberglass reinforced composite, waterproof recesses for lights.

Exterior Side Panels
Exterior side panels to be made of 0.040" pre-primed aluminum for corrosion protection and paint adhesion.

Roof Panel
The roof panel must be made of one-piece 0.040" aluminum to prevent water infiltration through roof seams. Panels located immediately above side windows shall incorporate a drip rail running the full length of the body.

- **Exterior Rear Wheel Trims**
  1/8" Thermoplastic wheel trim must be applied over the rear wheels.

- **Floor structure**
  Aluminum
  Longitudinal "C" shaped sub frames must be mounted to the OEM chassis frame rails using a double action energy-absorbing soft mount system. The sub frame must be made of 10-gauge G90 galvanized steel. Transversal "C" sections of floor must be made of 0.060" aluminum linked with "L" shaped cross-members and fastened to the sub frame. All passenger seats shall be fastened to 16-gauge G90 galvanized steel reinforcement channel.

- **Front and Rear End Structures**
  The front and rear end structures must be made of aluminized steel square tubing for corrosion protection. Front and rear structures must be mechanically affixed to sub-floor and roof bows.

- **Gravel Shields**
  Thermoplastic gravel shields must be installed on the lower front section of each body side. Shields shall be 12" in height and flanged 3 ¾" underneath the body.

- **Side Impact Barrier**
  Reinforced side impact barriers made of G90 galvanized steel must be incorporated into body design and riveted to the sub-floor. An L-shaped reinforcement must be integrated into the seat rail and run the full-length of the body.

ELECTRICAL SYSTEM

- **Electrical Compartment**
  Electrical compartment must be located under the right portion of the chassis dashboard as not to obstruct driver visibility through the More-View window.

The compartment shall enclose the body electrical control panel, the air conditioning control panel, the school bus alternately flashing signal lamps module, the 75-amp continuous-duty relay.

- **Body Instrument Panel**
  The body instrument panel must be located at the right of the driver and integrated to the OEM-supplied engine console cover so as to not impede or obscure the driver's visibility of the loading zone and/or the More-View window.
  A cup holder shall be provided on the body instrument panel.

- **Body Wiring Harness**
  Main body harness(es) must be color and number coded. Harness(es) must be protected with loom under the body and in the engine compartment. Grommets must be installed to protect every wire passing through metal openings. Wiring harness(es) must be located within the passenger compartment, for easy access.

- **Wiring Diagram**
  A complete body-wiring diagram must be provided.

EMERGENCY EXIT

The emergency door shall be equipped with a header pad and a 3-point fastening device and door hinge shall be stainless steel piano type, shall extend the full height of the door and provide an unobstructed opening of 53" H by 33" W. The emergency door must be weather-sealed with a bulb-type seal trim made of EPDM rubber.
An upper and lower glass must be incorporated into the rear emergency door. Upper glass surface shall be 671 square inches and lower glass surface shall be 408 square inches. Both windows shall be tempered safety glass with 62% light transmittance. Glass shall be bonded to prevent water infiltration.

ENTRANCE DOOR

The entrance door must be **electrically operated**. The entrance door must be equipped with a positive locking mechanism to avoid strain of the electrical motor when the door is closed. Electrical motor assembly must have passed a ten (10) year, 200,000-cycle test.
The entrance door shall have a minimum horizontal opening of 32", and a minimum vertical opening of 74 ½". 2 full-length clear glass panels must be installed with a minimum unobstructed area of 1,730 square inches. Glass shall be bonded to prevent water infiltration. When door is closed it must not create a blind spot larger than 5 ½" wide.
The upper bearings of the door mechanism shall be maintenance-free type. The lower bearings shall be lifetime maintenance-free Iglide® bushings with stainless steel pins to prevent corrosion.

FLOOR COVERING

FLAT FLOOR DESIGN - 5/8" plywood under a 1/8" grey smooth rubber material. The floor covering in the aisle must grey ribbed rubber covering.

HANDRAILS
The handrail must be made of 1.25" black powder coated steel and mounted on the interior left side of entrance door step well.

HEATER
Front heater and windshield defroster shall be as supplied by the OEM chassis manufacturer. Rear heater must be wall mounted and rated at 42,000 BTU, minimum.

INSIDE HEIGHT
Inside body height must be 76", measured at the center aisle over the floor covering, at any point on longitudinal centerline from front vertical bow to rear vertical bow.

INSIDE WIDTH
Inside body width must be 93", measured at the seat cushion and floor level.

INSULATION
Body must be insulated with 1½" thick fiberglass in the headlining, side, front and rear walls of the school bus. All roof bows shall also be insulated with 1½" thick fiberglass.

INTERIOR
- **Interior Panels**
  All interior and ceiling panels must be constructed of 0.025" and 0.040" pre-painted aluminum. ABS trim panels installed over all doors. Full length, easily removable PVC service panels located above side passenger windows and must enclose the electrical harnesses to facilitate maintenance.
  Ceiling panels must be inserted into longitudinal mounting tracks. **NO EXCEPTIONS**
  Below the windows, panels must be made of 0.025" embossed aluminum and hemmed on all sides.

LAMPS AND SIGNALS
- Two (2) 4" **LED** white rear backup lamps
- Two (2) 4" **LED** red stop/tail lamps.
- Two (2) 7" **LED** red stop/tail lamps must be mounted on the rear.
- Four **LED** (4) dome lamps must be mounted in the interior roof panels over the seats.
- Interior **LED** stepwell light must operate when the entrance door is open.
- Three (3) **LED** identification lamps shall be installed in the rear cap and three (3) **LED** amber identification lamps shall be installed in the front cap.
- Bus must be equipped with **LED,** non-sequential 8-way warning lights, two (2) red and two (2) amber lamps at the front and rear of the vehicle.
- **LED** side marker/clearance lamps.
- Specialty solid state electric operated high intensity reflective octagonal stoparm, red with a white boarder and 6" high lettering "STOP" on both sides. Includes red **LED STROBE** lights over and under the word "STOP" visible from both sides.

- White flashing strobe light mounted 4' from the rear of the roof.

LETTERING
HAYSVILLE USD 261 is to be applied on both sides of the body and bus number is to be applied in an appropriate spot near the doors on both sides, front and rear of bus.

MIRRORS
- **Interior Mirrors**
  A 6" x 16" mirror, with padded edges, must be installed.

- **Exterior Mirrors**
  Self-defrosting Rosco side view and cross view mirrors.

RADIO
AM/FM/CD Stereo, with digital clock, including four speakers 2-front and 2-rear.

REFLECTIVE MARKING
3M Scotchlite Diamond Grade reflective tape package including body sides tape, rear outline tape, and "SCHOOL BUS" front and rear.

SEATS AND BARRIERS
Full track running the entire length of the bus on both the RH and LH side and all seats 2-39" LH and 3-30" RH must be track mounted. The first seat behind the driver on the LH side must be a 39" C.E. White Child Restraint seat. Three (3) 30" safety back school bus seats on the RH side in front of the lift. All seats must have shoulder/lap restraint belts and be Department of Transportation approved. Burgundy fire-block upholstery. **Please include modesty panel on RH barrier.**

UNDERCOATING
The entire underside of the body, including but not limited to floor, skirts, wheel housings, sub-floor structure, rear bumper mounting brackets and braces, must be coated with rust-proofing material that meets the requirements for salt spray resistance (5% salt and 1000h), abrasion resistance and fire resistance.

VENTILATION
A non-closing type static vent must be in forward section of roof panel over driver area.

WATER INFILTRATION TEST
A positive pressure water infiltration test must be performed by manufacturer before delivery to ensure proper water seal of joints, fasteners, and gaskets found on vehicle.

WHEEL HOUSINGS

Wheel housings must be made of G90 galvanized steel and sealed with polyurethane sealant. Stainless steel rivets must be used to attach wheel housings to the floor structure and floor sheets.

WINDOWS

- **More-View Window**
  All school buses must be equipped with a More-View window located between the A-pillar of the chassis and the entrance door.

- **Rear Windows**
  The glass shall be made of tinted- tempered AS3 glazing with a 62% light transmittance. Glass shall be bonded to prevent water infiltration.

- **Side Windows**
  Side windows shall be 12" split-sash type and made with black aluminum frames. The glass shall be made of tinted-tempered AS3 glazing with a 62% light transmittance. **Exterior horizontal ledge must be angled to evacuate water towards the exterior of the vehicle. Neoprene gaskets and sealant must be used to ensure proper water seal.**

MISCELLANEOUS

- Fire Extinguisher, 5 lb. dry with hose.
- 24 unit first aid kit.
- Triangular warning devices kit
- Body fluid cleanup kit
- Tow hooks, rear (2).
- Mudflaps, black rubber, front and rear.
- Windshield defroster fan.
- Vandal lock for rear emergency door and front entry door.
- Complete pre-delivery servicing and inspection.
- 112 DB reverse activated back up alarm.
- Transpec "Triple Value" roof hatch
- Back up camera with driver monitor.

AIR CONDITIONING

In wall bulkhead mount Carrier air-conditioning model AC6iw22MAX, 58,000 BTU minimum output.

SPECIAL EDUCATION EQUIPMEENT

Wheelchair lift door to be located behind the rear axle. Braun ADA wheelchair lift to be installed. Two (2) forward-facing wheelchair positions with Q'Straint "QRT DELUXE" style restraint systems. At least one belt cutter must be secured and within reach of the driver. A device for storage of the securement and restraint system must be provided. An interlock system shall be provided to ensure the vehicle cannot be moved when the lift is not stowed.

PLEASE NOTE: These are basic minimum specifications required by District. Any deviations from these specifications must be listed by bidder on a separate sheet and must accompany bid. Failure to do so will result in rejection of your bid and/or your product for reason of non-compliance with our invitation.

CHASSIS SPECIFICATIONS

Body Application:	2021 Blue Bird Microbird G-5
Passenger capacity:	21
Chassis:	2021 Chevy 12,300lb. GVWR Dual Rear Wheel
Engine:	6.0L Vortec gas engine Air Filter-oil paper element type. Oil Filter-1 qt. full flow, disposable type
Transmission:	Automatic, with overdrive
Electrical:	Alternator, 220 AMP minimum Battery Delco Freedom 600 CCA, dual
Front/Rear Axle:	Dual rear wheel 8600 lb. rear axle - 3.73 ratio 4300 lb. front axle Heavy duty-front & rear shock absorbers
Front/Rear Springs:	Leaf springs – rear Independent coil springs-front
Chassis Frame:	139" W.B. Stabilizer bar Drive shaft guards Front bumper
Fuel tank:	35 gallon fuel tank, mounted between frame rails Fuel tank guard-frame mounted, steel, bolted/welded construction
Brakes:	Four wheel disc brakes Four wheel anti lock brakes. Parking Brakes
Tires and Wheels:	Front Tires LT-225/75R 16E-Radials-All Season Dual Rear Tires LT-225/75R 16E-Radials-All Season
Miscellaneous:	Horn - single electric, high & low note. Windshield Wipers - intermittent, coordinated washer. Drivers retractable lap & shoulder belt High back driver's seat-adjustable style, door arm rest Undercoating-front wheelhousing Tinted Windshield & driver's window Heavy Duty Radiator-extra cooling Volt.-Temp.-Oil Gauges Power Tilt steering wheel and cruise control Factory dash air-conditioning

BODY SPECIFICATIONS

BODY TYPE: 2021 Blue Bird Microbird G-5
PASSENGER SIZE: 21

AISLE
Emergency exit door, entrance door and special service entrance doors must be a 15" aisle.

BATTERY COMPARTMENT
Battery(ies) must be located on the right side immediately behind the main entrance door and mounted on a galvanized steel tray with slide out bearings. Compartment must be weather-sealed with an EPDM rubber and equipped with a drip rail and mounted on stainless steel piano hinge.

BUMPERS
- **Rear Bumper**
  School bus bumper must be a 3/16" pressed steel channel, 10" high, flanged 2" at top and bottom, with a 12" wrap around. The bumper must extend 1" beyond the rearmost part of the body surface to prevent hitching to or riding thereon.

COLORS
- **Exterior**
  The school bus body must be painted National School Bus Yellow with Sikkens low VOC high gloss acrylic Urethane paint. Between window panels and lower window sills shall be black. Roof to be painted white.

- **Interior**
  The interior must be painted white.

CONSTRUCTION
Main structure must be assembled with locked bolts, huck-fasteners, and structural rivets. Only front and rear structures may be assembled with welds.

- **Body Structure**
  Roof bows must be one-piece, floor-to-floor, hat section type and be made of 16-gauge G90 galvanized steel. Two (2) black, 18-gauge structural beams extending the full length of the body.

- **Exterior Panels**
  Exterior Rear and Front Panels
  Rear panel must be one-piece and made of fiberglass reinforced composite, with waterproof recesses for lights. The front panel must be two-pieces made with fiberglass reinforced composite, waterproof recesses for lights.

Exterior Side Panels
Exterior side panels to be made of 0.040" pre-primed aluminum for corrosion protection and paint adhesion.

Roof Panel
The roof panel must be made of one-piece 0.040" aluminum to prevent water infiltration through roof seams. Panels located immediately above side windows shall incorporate a drip rail running the full length of the body.

- **Exterior Rear Wheel Trims**
  1/8" Thermoplastic wheel trim must be applied over the rear wheels.

- **Floor structure**
  Aluminum
  Longitudinal "C" shaped sub frames must be mounted to the OEM chassis frame rails using a double action energy-absorbing soft mount system. The sub frame must be made of 10-gauge G90 galvanized steel. Transversal "C" sections of floor must be made of 0.060" aluminum linked with "L" shaped cross-members and fastened to the sub frame. All passenger seats shall be fastened to 16-gauge G90 galvanized steel reinforcement channel.

- **Front and Rear End Structures**
  The front and rear end structures must be made of aluminized steel square tubing for corrosion protection. Front and rear structures must be mechanically affixed to sub-floor and roof bows.

- **Gravel Shields**
  Thermoplastic gravel shields must be installed on the lower front section of each body side. Shields shall be 12" in height and flanged 3 ¾" underneath the body.

- **Side Impact Barrier**
  Reinforced side impact barriers made of G90 galvanized steel must be incorporated into body design and riveted to the sub-floor. An L-shaped reinforcement must be integrated into the seat rail and run the full-length of the body.

ELECTRICAL SYSTEM

- **Electrical Compartment**
  Electrical compartment must be located under the right portion of the chassis dashboard as not to obstruct driver visibility through the More-View window.

The compartment shall enclose the body electrical control panel, the air conditioning control panel, the school bus alternately flashing signal lamps module, the 75-amp continuous-duty relay.

- **Body Instrument Panel**
  The body instrument panel must be located at the right of the driver and integrated to the OEM-supplied engine console cover so as to not impede or obscure the driver's visibility of the loading zone and/or the More-View window.
  A cup holder shall be provided on the body instrument panel.

- **Body Wiring Harness**
  Main body harness(es) must be color and number coded. Harness(es) must be protected with loom under the body and in the engine compartment. Grommets must be installed to protect every wire passing through metal openings. Wiring harness(es) must be located within the passenger compartment, for easy access.

- **Wiring Diagram**
  A complete body-wiring diagram must be provided.

EMERGENCY EXIT

The emergency door shall be equipped with a header pad and a 3-point fastening device and door hinge shall be stainless steel piano type, shall extend the full height of the door and provide an unobstructed opening of 53" H by 33" W. The emergency door must be weather-sealed with a bulb-type seal trim made of EPDM rubber.
An upper and lower glass must be incorporated into the rear emergency door. Upper glass surface shall be 671 square inches and lower glass surface shall be 408 square inches. Both windows shall be tempered safety glass with 62% light transmittance. Glass shall be bonded to prevent water infiltration.

ENTRANCE DOOR

The entrance door must be **electrically operated**. The entrance door must be equipped with a positive locking mechanism to avoid strain of the electrical motor when the door is closed. Electrical motor assembly must have passed a ten (10) year, 200,000-cycle test.
The entrance door shall have a minimum horizontal opening of 32", and a minimum vertical opening of 74 ½". 2 full-length clear glass panels must be installed with a minimum unobstructed area of 1,730 square inches. Glass shall be bonded to prevent water infiltration. When door is closed it must not create a blind spot larger than 5 ½" wide.
The upper bearings of the door mechanism shall be maintenance-free type. The lower bearings shall be lifetime maintenance-free Iglide® bushings with stainless steel pins to prevent corrosion.

FLOOR COVERING

5/8" plywood under a 1/8" grey smooth rubber material. The floor covering in the aisle must grey ribbed rubber covering.

HANDRAILS
The handrail must be made of 1.25" black powder coated steel and mounted on the interior left side of entrance door step well.

HEATER
Front heater and windshield defroster shall be as supplied by the OEM chassis manufacturer. Rear heater must be floor mounted and rated at 42,000 BTU, minimum.

INSIDE HEIGHT
Inside body height must be 76", measured at the center aisle over the floor covering, at any point on longitudinal centerline from front vertical bow to rear vertical bow.

INSIDE WIDTH
Inside body width must be 93", measured at the seat cushion and floor level.

INSULATION
Body must be insulated with 1½" thick fiberglass in the headlining, side, front and rear walls of the school bus. All roof bows shall also be insulated with 1½" thick fiberglass.

INTERIOR
- **Interior Panels**
  All interior and ceiling panels must be constructed of 0.025" and 0.040" pre-painted aluminum. ABS trim panels installed over all doors. Full length, easily removable PVC service panels located above side passenger windows and must enclose the electrical harnesses to facilitate maintenance.
  Ceiling panels must be inserted into longitudinal mounting tracks. **NO EXCEPTIONS**
  Below the windows, panels must be made of 0.025" embossed aluminum and hemmed on all sides.

LAMPS AND SIGNALS
- Two (2) 4" **LED** white rear backup lamps
- Two (2) 4" **LED** red stop/tail lamps.
- Two (2) 7" **LED** red stop/tail lamps must be mounted on the rear.
- Four **LED** (4) dome lamps must be mounted in the interior roof panels over the seats.
- Interior **LED** stepwell light must operate when the entrance door is open.
- Three (3) **LED** identification lamps shall be installed in the rear cap and three (3) **LED** amber identification lamps shall be installed in the front cap.
- Bus must be equipped with **LED,** non-sequential 8-way warning lights, two (2) red and two (2) amber lamps at the front and rear of the vehicle.
- **LED** side marker/clearance lamps.
- Specialty solid state electric operated high intensity reflective octagonal stoparm, red with a white boarder and 6" high lettering "STOP" on both sides. Includes red LED STROBE lights over and under the word "STOP" visible from both sides.

- Must include white strobe light mounted 4' from the rear of the vehicle.

LETTERING
HAYSVILLE USD 261 is to be applied on both sides of the body and bus number is to be applied in an appropriate spot near the doors on both sides, front and rear of bus.

MIRRORS
- **Interior Mirrors**
  A 6" x 16" mirror, with padded edges, must be installed.

- **Exterior Mirrors**
  Self-defrosting Rosco side view and cross view mirrors.

RADIO
AM/FM/CD Stereo, with digital clock, including four speakers 2-front and 2-rear.

REFLECTIVE MARKING
3M Scotchlite Diamond Grade reflective tape package including body sides tape, rear outline tape, and "SCHOOL BUS" front and rear.

SEATS AND BARRIERS
First LH/driver's side front seat of must be CE White Child Restraint seats with 3-point seatbelts. Remaining seats must be as follows: 3-39" HSM seats with 3-point seatbelts on the LH side and 4-34" HSM seats with 3-point seatbelts, Department of Transportation approved. Burgundy fire-block upholstery. **Please include a modesty panel on the RH barrier.**

UNDERCOATING
The entire underside of the body, including but not limited to floor, skirts, wheel housings, sub-floor structure, rear bumper mounting brackets and braces, must be coated with rust-proofing material that meets the requirements for salt spray resistance (5% salt and 1000h), abrasion resistance and fire resistance.

VENTILATION
A non-closing type static vent must be in forward section of roof panel over driver area.

WATER INFILTRATION TEST
A positive pressure water infiltration test must be performed by manufacturer before delivery to ensure proper water seal of joints, fasteners, and gaskets found on vehicle.

WHEEL HOUSINGS
Wheel housings must be made of G90 galvanized steel and sealed with polyurethane sealant. Stainless steel rivets must be used to attach wheel housings to the floor structure and floor sheets.

WINDOWS

- **More-View Window**
  All school buses must be equipped with a More-View window located between the A-pillar of the chassis and the entrance door.

- **Rear Windows**
  The glass shall be made of tinted- tempered AS3 glazing with a 62% light transmittance. Glass shall be bonded to prevent water infiltration.

- **Side Windows**
  Side windows shall be 12" split-sash type and made with black aluminum frames. The glass shall be made of tinted-tempered AS3 glazing with a 62% light transmittance. **Exterior horizontal ledge must be angled to evacuate water towards the exterior of the vehicle. Neoprene gaskets and sealant must be used to ensure proper water seal.**

MISCELLANEOUS

- Fire Extinguisher, 5 lb. dry with hose.
- 24 unit first aid kit.
- Triangular warning devices kit
- Body fluid cleanup kit
- Tow hooks, rear (2).
- Mudflaps, black rubber, front and rear.
- Windshield defroster fan.
- Vandal lock for rear emergency door and front entry door.
- Complete pre-delivery servicing and inspection.
- 112 DB reverse activated back up alarm.
- Transpec "Triple Value" roof hatch
- Back up camera with driver monitor

AIR CONDITIONING

In-wall, bulkhead mount, MCC air-conditioning model AC6iw22MAX, 58,000 BTU minimum output.

PLEASE NOTE: These are basic minimum specifications required by District. Any deviations from these specifications must be listed by bidder on a separate sheet and must accompany bid. Failure to do so will result in rejection of your bid and/or your product for reason of non-compliance with our invitation.