

**BOARD OF EDUCATION
BEEVILLE INDEPENDENT SCHOOL DISTRICT**

Agenda Item No. _____

Date: September 18, 2007

Subject: Consideration and possible approval for the
purchase of a 71 passenger school bus.

Submitted by: Linda O'Connell

Related Pages: 4

Supt's Approval: _____

CONSENT

BACKGROUND INFORMATION:

The 2007-08 budget includes a budget of \$80,000 for an additional school bus. The bus is a 71 passenger Blue Bird Vision.

ITEMS ADDRESSED:

Purchase of a 71 passenger school bus in the amount of: \$79,750.00.

RECOMMENDED ACTION:

Consideration and possible approval to purchase an additional school bus.

BUDGETARY INFORMATION:

Funds for the bus is found in Capital Outlay: 199-34-6631-01-999-899 in the amount of \$80,000.

Blue Bird Vision



Technical Specification Highlights

Capacity	<i>Multiple floor plans available with passenger seating up to 77</i>	Transmission	<i>Allison® PTS 2500</i>
Exterior Width	<i>96"</i>	Engine	<i>Cummins® ISB-07 200 hp</i>
Interior Width	<i>90 3/4"</i>	Tire Size	<i>11R22.5(G)</i>
Aisle Width	<i>Varies by floor plan</i>	Alternator	<i>200 amp</i>
Skirt Length	<i>16 1/4"</i>	Brakes	<i>Hydraulic disc brakes with 4-wheel anti-lock brakes.</i>
Interior Headroom	<i>74" standard; 77" optional</i>	Suspension	<i>Front - 8,000 lb. parabolic springs Rear - 17,000 - 21,000 lb. 2-stage leaf springs (rating varies by wheelbase)</i>
Overall Height	<i>124" - 127"</i>	Steering	<i>TAS 55</i>
Wheelbase	<i>189" / 217" / 238" / 252" / 273"</i>	Front Axle	<i>12,000 lb.</i>
Fuel Tank	<i>60-gallon between frame rails in rear overhang</i>	Rear Axle	<i>21,000 lb.</i>
Entrance Door	<i>27" wide x 78" high / double "full view" outward opening</i>	Wheel Cut	<i>50°</i>
Rear Door	<i>37.7" wide x 52.5" high</i>	GVWR	<i>Up to 31,000 lb.</i>

Rely On...



BLUE BIRD

Blue Bird Vision Specifications

CHASSIS

- 50,000 psi steel frame rails 10 1/8" high x 3" flanges x 5/16" thick
- Cummins® ISB-07; 200 horsepower
- Allison® automatic transmission, PTS 2500
- Synthetic transmission fluid
- 60 gal. fuel tank between frame rails in rear overhang
- 200 amp alternator
- 11R22.5(G) tires
- Large, easy to read gauges
- 12,000 lb. front axle with 8,000 lb. parabolic spring suspension
- 21,000 lb. rear axle with a two-stage rear suspension system (rating varies by wheelbase)
- Blue Stripe rubber coolant hoses with constant torque clamps
- Hydraulic brake system
- Anti-lock brakes
- 15" steel front bumper
- "E-Z Adjust" tilt/telescoping steering column
- Three "Group 31" batteries
- "Huck spin" fasteners on all permanent frame fixtures

DURABILITY

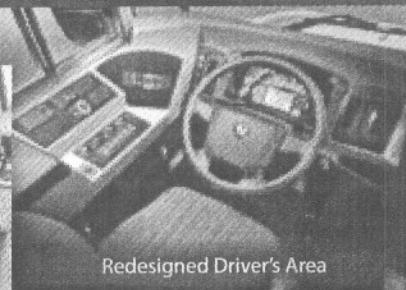
- All parts are pre-primed or thoroughly rust-proofed after fabrication and before assembly
- Entire underbody (body skirt and floor) is undercoated before mounting on chassis
- Exterior surfaces are painted with heat-cured polyurethane
- Interior surfaces are painted with high-quality, hot-sprayed, baked-on enamel
- 1/2" grade plywood for insulation of the floor
- 1/8" Smooth black rubber flooring, 3/16" ribbed rubber aisle
- Goodyear Hi-Miler heater hose with constant torque clamps
- Blue Stripe rubber cooling hoses with constant torque clamps
- Synthetic transmission fluid
- 11R22.5(G) tires
- Spicer "lubed for life" driveline
- Rubber molded wheelhouse
- 12,000 lb front axle with 8,000 lb. parabolic spring suspension
- 21,000 lb. rear axle with a two-stage rear suspension system (rating varies by wheelbase)
- Side exhaust before rear wheels
- "Huck spin" frame fasteners

STRENGTH

- 14-gauge steel, hat shaped posts and roof bows
- Rigid 16-gauge steel roof longitudinal internal structural members
- 16-gauge, channeled interior steel window headers
- A massive 16-gauge continuous belt of interior steel armor above and below floor line
- Riveted and welded construction
- Four full-length, 16-gauge exterior side rub rails
- 20-gauge fluted exterior side panels
- 22-gauge interior galvalume side panels
- 14-gauge steel floor panels
- 50,000 psi steel chassis frame, 5/16" inch thick with permanent fixtures and attached with "Huck Spin" fasteners



"E-Z Adjust" Steering Column



Redesigned Driver's Area

SAFETY

- 4-wheel anti-lock brakes
- Single halogen headlights
- Driver's three-point seat belt with adjustable 7 1/2" pillar loop
- "Full view" outward-opening entrance door with 1,350 square-inch tempered safety glass
- "Safety View" vision panel with a wide angle Fresnel lens for view of loading/unloading zone
- Best driver's line of sight in the school bus industry
- 50-degree wheel cut reduces need for backing
- 9" x 17" oval-shaped, flat and convex rearview mirrors
- 11" x 13" oval shape crossover mirrors with tinted band to reduce glare
- Electric horn with high and low note
- Blue Bird's unitized construction of the passenger compartment
- 15" steel front bumper, 12" steel rear bumper
- Side exhaust before rear wheels
- 8.25 x 22.5 Disc, hub-piloted steel wheels
- 11R22.5(G) tires

SERVICEABILITY

- Chassis multiplex wiring
- Large work space under hood
- Easy hood assist requires less than 15 lb. opening effort
- Body wiring terminal is easily accessible through exterior electrical compartment
- Wiring is color coded and continuously numbered for easy identification
- Automatic resetting circuit breakers for body wiring
- Tempered glass, split-sash windows
- Grease fittings on emergency door hinges
- Easy-opening, outward opening entrance door; features long-lasting, oil-impregnated, bronze pivotal bearings
- Body wiring is encased in "easy to access" ABS molding above passenger windows
- Side exit exhaust

COMFORT & CONVENIENCE

- 74" headroom at aisle, front to rear
- Split-sash, tempered windows
- Shaded windshield
- 90,000 btu front heater and defroster
- Power accessory socket for cellular phones, CB radios, etc.
- 1/2" plywood for insulation of the floor
- Full "panoramic" cockpit view
- Full body insulation
- Acoustic headlining (Driver's and 1st Sections)

DRIVER ERGONOMICS

- "Best in class" driver visibility
- 50-degree wheel cut reduces need for backing
- Power steering with "E-Z Adjust" tilt/telescoping column
- Large, easy to read gauges
- Backlit, easy to reach switch panel with rocker switches
- Electric, intermittent, single switch windshield wipers
- Manual "glide-type" outward opening door
- 3-point seat belt with 7 1/2" vertical adjustment
- National® fully adjustable driver's seat
- Cruise control
- Improved vision in loading zone with "Safety View" window and large glass paneled door
- New wraparound dash

OPTIONAL FEATURES

- Cummins® ISB-07 diesel engine 200-240 hp
- Allison® PTS 2200 & PTS 3000 Transmission
- Hendrickson® front and rear air ride suspension
- Electric, remote control and heated mirrors
- Laminated glass
- 77" headroom/12" split sash windows
- Dedicated door and wheelchair lifts, along with recessed wheelchair securements for special-needs passengers
- Underfloor luggage compartments with locking doors
- Tinted glass
- Mud flaps
- Vandal locks
- AM/FM/CD Radio with deluxe speakers
- 100 gallon fuel tank
- Air brake system
- Bode® electric door
- 10,000 lb. front springs

DIMENSIONS

Headroom	74"
Width Exterior	96"
Width Interior	90 3/4"
Skirt Length	16 1/4"
Overall Length	289" - 471"
Overall Height	124" - 127"
Wheelbase/Passenger Capacity	189" = 48
	217" = 54
	238" = 60
	252" = 66
	273" = 72/77

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Rely On...



BLUE BIRD

Specifications shown were in effect on the date they were approved for printing. In keeping with its policy of continual product improvement, Blue Bird reserves the right to change specifications without notice and without incurring obligations. Some equipment and features shown may be optional—your Blue Bird Distributor will explain.

SCHOOL BUS SPECIFICATIONS

71 Passenger Type C, Conventional School Bus

This quoted bus meets or exceeds all 2006 State of Texas Specifications for School buses as published by the Texas Department of Public Safety.

Size:	71 Passenger
Quantity:	One
Model Year:	2008
Bus Chassis:	Blue Bird Vision with best in class "down front" visibility
Hood:	Easy lift with 9 lb. maximum effort to open hood. Silver painted grille.
Frame:	Dual C channel, 50,000 psi steel.
Engine:	Cummins ISB 6.7L, in line 6 cylinder turbo diesel. 220 HP; 520 lb-ft torque. Road speed governed at 65 MPH. Engine meets 2007 Federal emission standards.
Exhaust:	4 inch 16 gauge tubing, exiting though the bumper, road side
Wheelbase:	273 inches.
Transmission:	Allison PTS 2500 Automatic Transmission. 5 forward speeds and 1 reverse, "Transynd" synthetic fluid.
Brakes:	Dual air brake system (16.5x 5 front and 16.5 x 7 rear) with ABS, automatic slack adjusters and a Bendix air dryer.
Fuel Tank:	60 Gallon Fuel Tank mounted between the rails behind rear axle, includes spring loaded locking fuel door.
Alternator:	200 AMP Bosch.
Batteries:	Three group 31, 2850 CCA, includes heavy duty locking battery compartment with rollout tray.
Electrical Access:	Exterior lighted compartment with locking door, located below driver's window.
Electronics:	Tachometer, high idle switch, cruise control, hourmeter, voltmeter, and digital clock
Steering:	Power with tilt and telescoping column.
Tires:	Goodyear steel belted radial tires, 11RX22.5G Highway Tread.
Wheels:	Hub Piloted steel 10 stud Disc Wheels, 22.5 x 8.25.
Front Axle:	12,000 lbs. rated, oil lubed bearings.
Rear Axle:	21,000 lbs. 5.29 axle ratio
Suspension:	Front Hendrickson "SOFTEK" variable tapered springs Multi-Leaf suspension system on rear. Shock absorbers required front and rear
Bus Body:	Blue Bird BBCV 3303S

FEATURES & OPTIONS

Headroom:	74 inches measured from ceiling to top of floor covering at center aisle.
Construction:	Continuous, one piece roof bows, no welds. Formed in, individual rain visors to allow window opening in rain. All Steel body.
Stepwell:	Stainless Steel 3-step stepwell with "pebbletop" step treads with handrails each side.
Windshield:	Windshield shall be four pieces flat, shaded and tinted.
Wipers:	Two speed with intermittent Control, windshield washers with one gallon reservoir.
Front Heater:	Minimum 90,000 BTU front heater with full width defroster.
Rear Heater:	80,000 BTU rear underseat heater.
Drivers Fan:	One - 6" driver fan with 2 speed, rocker style switch. Located upper center windshield header.
Windows:	Split sash with 9" opening. Dark tint side and rear windows, tinted driver's window and entrance door glass.
Passenger Seats:	Burgundy, Athol ProForm II fire and graffiti resistant material on seats and barriers. All seats have seat belt ready frames.

Stop Arm:	Automatic Stop Arm air operated, with reflective surface and two red LED lights.
Roof Hatches:	Two, Specialty ProLo roof hatches.
Push Outs:	Four Pushout windows, two on each side of the bus.
Vision Window:	Forward of entrance door, 7.5" X 13.5" Fresnel lens, allowing driver view of ground forward of entrance door.
Safety Equipment:	First aid kit. Body fluid cleanup kit. Five lb. Fire Extinguisher. Triangle reflector kit. Backing safety horn 112 db.
Drivers Seat:	National high back seat with air suspension, cloth insert, armrest and adjustable lumbar support. Seat belt is a three-point system with adjustable shoulder belt.
Interior Mirror:	10" x 30" Interior Mirror.
Exterior Mirror:	Rosco "Euro" style side view remote control mirrors with flat and convex surfaces. "Mini-hawkeye" crossview mirrors with the upper portion of mirror tinted.
Body Paint:	Exterior: Polyurethane Paint, Heat cured, National School Bus Yellow, with White roof. Interior: Astro White baked enamel.
Reflective Material:	Reflective vinyl with 1" outlining all emergency exits, 2" along each side below body belt line area, 1 3/4" outlining rear body structure, and "SCHOOL BUS" on front and rear roof caps. Also includes reflective "SCHOOL BUS" on each side of bus.
Full Insulation:	Fiberglass insulation 1 1/2" thick minimum shall be installed in roof, front and rear, including corners of body. Side walls below windows are insulated with Mineral Wool batts.
Noise Reduction:	Perforated acoustic headlining panel in first two sections.
Dome Lights:	Two rows equally spaced at center over aisle, Driver's dome light activated with separate switch.
Floor:	5/8" marine grade plywood attached with screws over steel floor, 3/16" thick ribbed Gray rubber in aisle. Smooth Gray rubber floor under seats and drivers area.
Entrance Door:	Door is outward opening and air operated. Includes boarding light.
Emergency Doors:	One (1) 35" Emergency Door installed in the rear of the bus, with positive holding device.
Vandal Lock System:	Entrance door to have key locking system. Rear emergency door to have slide bolt style locking system wired to prevent engine from starting if slide bolt is in locked position.
Lettering:	"SCHOOL NAME" on both sides of the bus 6" tall letters-long lasting vinyl.
LED Lights:	LED lighting for rear turn, brake, marker and ID lights.
Switch Panel:	Drivers switch panel shall be located to the left of the driver's seat, at elbow level for best access and ease of operation.
Power Outlet:	Accessory Power Socket W/Cap located on Drivers Switch Panel
Visor:	Shaded see-through Plexiglas visor shall be on driver's side of windshield, 6.5" x 30".
Glove Box:	Located in dash area with locking door latch.
Mud Flaps:	Mud flaps mounted behind front and rear wheels.
Air Conditioning:	120,000 BTU, 3 Interior Evaporators.

WARRANTY - DELIVERY

Warranty:	Five year/ 100,000 mile warranty coverage on body shell, paint adhesion, and seat frames. 5 year/100,000 miles warranty on Cummins diesel engine.
Delivery:	Vendor shall deliver vehicle to School.

Price: \$79,750.00

Stock Bus available now, all stock units subject to prior sale
1 available at this price.

Financing Available on all Buses