

Waterford Unified School District

219 Reinway Avenue, Bldg 2

P.O. Box 270

Waterford, CA 95386

(209) 874-1809

Bid #01/22 **"School Bus(es)"**

Date: 11/3/2021

The undersigned fully understands that the District forms a contract upon acceptance of this bid.

The undersigned, having carefully read the Notice To Bidders as published on October 14, 2021, and October 21, 2021, and the Specifications, hereby proposes to furnish in strict conformity with said documents the following:

One or more – Description: Blue Bird Vision Conventional

Capacity: 75 Ambulatory

Cost (excluding sales tax) \$ 152,326.68 + Sales Tax

Estimated Delivery Date: 240-180 Days ARO

Note: Pursuant to Public Contract Code Sections 20118 and 20652, the Bidding Agency may allow other Public Agencies in the State of California (Including but not limited to: Kern, San Bernardino, Orange, San Diego, Riverside, Los Angeles, Monterey, Fresno, and Santa Barbara Counties) to purchase equipment and supplies under the same terms and conditions. The Bidding Agency waives its rights to require other Districts to draw their warrants in favor to this District and authorizes each District to make payment directly to the successful Bidder. The Bidding Agency agrees to waive payment of reasonable costs per Public Contract Code Section 20118. We understand the District reserves the right to reject any and all bids, and to waive any irregularity of informalities in any bids or in the bidding process.

Name of Bidder: A-Z Bus Sales, Inc.

Signed by: 

Name & Title: John Landherr / President & CEO

Address: 1900 S. Riverside Avenue

Colton, CA 92324

Phone: 951-781-1841

Fax: 951-781-9806

Email: jlandherr@a-zbus.com

WATERFORD UNIFIED SCHOOL DISTRICT - Bid #01/22

NEW 75 PASSENGER CONVENTIONAL SCHOOL BUS

| SPECIFICATION | BIDDER'S RESPONSE - MUST COMPLY OR STATE DEVIATIONS IN FULL |
|---|---|
| <p>The specifications that follow are minimum basic requirements. Bidder must list any deviations from these specifications. If bidder claims item "Meets or Exceeds" specifications, documentation must be provided with bid to substantiate claim. Failure to do so will result in rejection of your bid and/or product for non-compliance.</p> | |
| <p>2021 Model Year (or Newer) Conventional Style School Bus Capable of supporting the specified 75-passenger body in a proper & safe manner. Body/chassis are to be designed, engineered & built in the U.S.A. by one manufacturer. This provides a fully compatible and totally integrated complete vehicle.</p> <p>Blue Bird BBCV 3310 model chassis or equal.</p> <p>Bidder must be a valid franchised dealer for units bid in the state of California.</p> <p>Vehicles bid shall meet All Applicable FMVSS & current California standards for school buses in affect at time of manufacture.</p> | <p>YEAR: 2021 (or Newer)</p> <p>CHASSIS MFG: Blue Bird</p> <p>MODEL: BBCV</p> <p>BODY MFG: Blue Bird</p> <p>MODEL: 3310s</p> <p>CAPACITY: 75 Ambulatory</p> |
| <p><u>VEHICLE DIMENSIONS:</u></p> <p>G.V.W.R. - 33,000#'s minimum</p> <p>Wheelbase shall not exceed 273"</p> <p>Overall length (including bumpers) 478"</p> <p>Overall height 128" maximum</p> <p>Overall width 96" (excluding mirrors)</p> <p>Headroom 77" minimum</p> | <p>G.V.W.R.: 33,000#</p> <p>WHEELBASE: 273"</p> <p>OA LENGTH: 478"</p> <p>OA HEIGHT: 128"</p> <p>OA WIDTH: 96"</p> <p>HEADROOM: 77"</p> |
| <p><u>AXLES:</u></p> <p>Front - 12,000# rating. Petroleum oil lubed wheel bearings. Include Hubcaps w/ window seals. Integrated designed axle, with 50 degree turning angle.</p> <p>Rear - 23,000# rating. Hypoid, single reduction. Petroleum lubricant is required with 6.17 ratio. With oil lubed bearings.</p> | COMPLY |
| <p><u>BRAKES - SERVICE:</u></p> <p>Bendix two-piston, floating caliper Air Disc Brakes with Bendix air chambers at all four-wheel positions shall be provided. The calipers shall have two inboard pistons which will force the inner pad into the 16.9" rotor while at the same, with further internal movement of the caliper, pull the outer brake pad into the rotor. The clamping of the inner and outer pad applies braking force to the wheel. Pad material shall be Bendix. Brakes shall include ABS. Parking chamber on the rear axle shall be 24 SQ IN.</p> | COMPLY |

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| <p>Provide electric air drain valves with controls located in driver's compartment and a Bendix AD-IP air dryer.</p> <p>ESC – Electronic Stability Control shall be included.</p> | COMPLY |
| <p><u>BRAKES - EMERGENCY/PARKING:</u></p> <p>30 sq. in. spring brake system with treadle valve control. Instrument panel mounted valve for parking brake application.</p> | COMPLY |
| <p><u>BUMPERS:</u></p> <p>Front – Contoured steel 3/16" thick, 15" high at outer left and right 1/3 of bumper, and 12" high after forming at center middle 1/3. 1" flanges at top and bottom. Include folding cowl step.</p> <p>Rear – One piece, 3/16" thick steel plate, 12" high after forming, with 1" flange at top and bottom. 14" wraparound at rear corners with single frame bracing.</p> | COMPLY |
| <p><u>CONTROLS - DRIVER'S AREA:</u></p> <ul style="list-style-type: none"> a. Electronic Throttle. b. Air brake pedal. c. Key type start & stop switch. d. Headlight switch with rheostat dimmer for instrument lights with headlight "on" reminder buzzer when key is off. e. Hazard signal switch. f. Stalk mounted self-canceling directional signal switch. g. Driver switch panel located left side below driver window for easy access. Switches to be backlit rocker design. h. Hand applied Parking brake valve with warning light. i. Entrance door control wired battery hot. j. Transmission shift control. k. Cruise control. l. Incremental hi-idle switch. m. Noise suppression switch. n. VGT Engine exhaust brake control switch. | COMPLY |
| <p><u>COOLING SYSTEM:</u></p> <p>Charge air and down-flow radiator shall be mounted in tandem at vehicle front and include a 25" dia. nylon cooling fan with nine blades. The fan clutch will be an electromagnetic "Full-on/Fully-Off" type, driven by poly-v fan belt with spring loaded tensioner; Fan to be controlled by Engine ECM.</p> | COMPLY |

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| <p>The clutch is to be maintenance-free offering the benefit of quicker engine warm-up during cold-climate operation since the fan spins only when it is needed. Silicone coolant hose with constant torque clamps to be provided. Hoses must meet SAE J20, Class A specification by application. Transmission fluid to be cooled by 2,100 BTU/Min. heat exchanger external to radiator.</p> <p>Engine coolant shall be Cummins Fleetguard ES Compleat. Blue premix 50/50 provides anti-freeze protection to -34° F with two years/150,000 miles or 4,000 hr. service intervals.</p> | COMPLY |
| <p><u>DRIVELINE:</u></p> <p>Driveshaft with protective guard for each section of shaft. Rear driveshaft section to be protected with two guards. Spicer SPL-70, "lubed for life" driveline components.</p> | COMPLY |
| <p><u>ELECTRICAL SYSTEM:</u></p> <p>Alternator – Leece Neville 12V, 280 amp or equivalent.</p> <p>Battery – Three (3) Group 31, 12V negative ground with 2100 CCA minimum combined capacity. Batteries secured to frame mounted on roller tray with dual latches for securing tray in closed position accessed by key lockable skirt access door. A master disconnect switch shall be included.</p> <p>Body wiring to be color & number coded throughout. Wiring protected by fuses & manual reset circuit breakers. Multiplex chassis & body wiring modules with LCD readout in driver's dash area and diagnostic LED readout on multiplex module.</p> <p>Two spare 14 Gauge circuits with wiring in body harness to be Provided for future use.</p> | COMPLY |
| <p><u>ENGINE:</u></p> <p>Cummins B-6.7L diesel engine with 260HP/660 lb-ft torque shall be provided, designed to meet the U.S. Phase 2 Greenhouse Gas Emissions Standards & Fuel Efficiency Standards set forth by the Environmental Protection Agency (EPA) & California Air Resources Board (CARB).</p> <p>Engine shall use diesel particulate filter (DPF) exhaust after-treatment, selective catalytic reduction (SCR). Provide road speed governor limiting the top speed to 65 MPH. A variable geometry turbo (VGT) exhaust brake to also be included.</p> | COMPLY |

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| <u>EXHAUST:</u> Primary DPF/SCR exhaust system to be provided with tailpipe exiting through rear bumper roadside. | COMPLY |
| <u>FILTERS:</u> Oil filter - Full flow disposable. Air filter - Dry type. Fuel filter – Spin-on type. Fuel filter/water separator. Coolant water filter – Remote mount with two shutoff valves to isolate filter for replacing. | COMPLY |
| <u>FUEL TANK:</u> 100-gallon fuel capacity with fuel tank located between frame rails. A locking right side fuel filler door & sender inspection plate shall also be provided. Diesel Exhaust Fluid (DEF) tank to be located behind the entrance door. Fill door to be marked "DEF". 15-gallon capacity minimum. | COMPLY |
| <u>HORN:</u> Dual electric with non-glare horn button emblem. | COMPLY |
| <u>INSTRUMENTS AND GAUGES - DRIVER'S AREA:</u> a. Speedometer w/odometer & Tachometer. b. Resettable trip odometer. c. Ammeter, Engine hourmeter & Voltmeter gauge in LCD. d. Fuel level gauge. e. DEF level indicator located in LCD on dash clutter. f. Oil pressure & Coolant temperature gauges. g. Dual air pressure gauge. h. Low pressure light & buzzer for dual air brake system. i. Engine exhaust brake activation notice in LCD on dash. j. High beam indicator. k. Right & left directional indicators. l. Engine warning light & buzzer for low oil pressure/high engine coolant temperature. m. Transmission temperature gauge. n. Accessory power socket. o. Console mounted arm rest, LH side. | COMPLY |
| <u>SHOCK ABSORBERS:</u> Direct acting, double action piston type. Two front & two rear. | COMPLY |

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| <u>STEERING:</u> Full power Douglas Autotec Quantum Series Steering Column to be provided. TRW Power Steering Pump to be gear driven with easily accessible reservoir. 18" diameter, two-spoke, padded tilt & telescoping steering column with 28° tilt range both up & down & 3" telescoping capabilities. Horn, Turn-signal, Flasher Signal, Headlight hi/low beam, windshield wiper on/off, Cruise Control included. Front axle must have 50° wheel-cut, for steering maneuverability. | COMPLY |
| <u>SUSPENSION - FRONT:</u> 10,000# GAWRF at the ground. Springs shall consist of one full-length leaf & one half leaf, 4" wide X 60" long full length long with parabolic front taper. Maintenance free rubber bushings end of spring and at shackle bracket. | COMPLY |
| <u>SUSPENSION – REAR:</u> 23,000# capacity, Hendrickson "Comfort Air" drive axle air ride suspension. | |
| <u>TIRES:</u> Six (6) Factory Standard 11R 22.5 G - All position radials with highway tread. | COMPLY |
| <u>TOW HOOKS:</u> Two front & two rear frame mounted tow hooks. | COMPLY |
| <u>TRANSMISSION:</u> Allison, Series 2500 automatic five speed and fully electronic is required. Synthetic transmission fluid to be provided. Transmission to be set to performance mode. | COMPLY |
| <u>VALVES:</u> 1/4 turn globe valves to isolate coolant circulation to heaters from engine shall be included. | COMPLY |
| BODY OPTIONS | |
| <u>COMPARTMENTS:</u> Double luggage compartment RH & LH side mid-mount with door springs & lights shall also be included. Non-locking compartment above windshield in front header, 7" high x 48" wide. Driver's Left hand overhead locking compartment & front dash glove box to be provided. | COMPLY |

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| <p><u>CONSTRUCTION:</u> Body parts must be rust-proofed after fabrication and before assembly. Floor panels shall be interlocking 14 ga. steel, welded at each joint with 3/16" angle iron reinforcement. The main floor cross members shall be full width of floor. 14 ga. hat-shaped body bows one piece from floor line on one side to floor line on other side. Bows shall end and not extend below floor level for maximum rollover strength. Body sheet metal shall be fastened with buck rivets on exterior and blind rivets on interior. 16 ga. exterior extended side panels shall be one piece from windowsills to bottom of skirt. Four protective rub rails at window, seat, floor & skirt levels. Interior side panels shall be aluminized & hemmed from windowsill to top of seat rail with mar-resistant finish. One-piece roof panels span the entire width of the bus from window top on one side to window top on other side for maximum strength & include embossed rain visors over side windows. Spliced roof sheet not acceptable.</p> <p><u>Colorado Rack Test:</u> To verify the structural integrity of a school bus body design. Certification of Colorado Rack and Load testing from OEM shall be provided upon request.</p> <p><u>Kentucky Pole Test:</u> Verify that interior panels above the passenger windows will not separate and expose sharp edges in the event of a crash. Certification of Kentucky Pole Test from OEM shall be provided upon request.</p> | <p style="text-align: center;">COMPLY</p> <p style="text-align: center;">COMPLY</p> |
| <p><u>EMERGENCY EXITS:</u> Rear door with upper & lower glass & Left side exit door with tinted glass, buzzers & pilot light. Include header pads & retainers to hold doors open. All emergency exits shall have barrel vandal locks that when actuated, disable engine from starting. Two (2) roof vent emergency exits shall be provided with an exterior release.</p> | <p style="text-align: center;">COMPLY</p> |
| <p><u>ENTRANCE DOOR:</u> Air operated, outward-opening type with control on driver's switch panel. Include header pad & security lock.</p> | <p style="text-align: center;">COMPLY</p> |

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| <u>FLOOR COVERING:</u> 1/2" plywood attached with screws over 14 ga. steel. Black rubber floor, smooth under seats & ribbed in aisle. Entrance steps shall have white nosing. Aluminum aisle trim over joints in flooring, full body length. Molded rubber covers required over rear interior wheel housings. Rounded rust proofed galvanized steel cove molding where floor meets wall. | COMPLY |
| <u>GLASS:</u> Windshield – AS-1 shaded, non-glare, 4-piece flat safety glass. Side Windows – 12" split sash in black frames. AS-3 dark tint side glass 31% light transmitting, tempered safety glass. Design must permit interior replacement of window latches without removing the window. Driver's window – AS-2 light tint 70% laminated safety glass. Entrance door glass – AS-2 light tint 70% laminated safety glass. Rear & Side emergency door glass & rear vision panel glass 31% dark tinted tempered safety glass. | COMPLY |
| <u>HEATER AND DEFROSTER:</u> a. 90,000 BTU front heater & defroster with washable filter. b. 50,000 BTU rear floor mount heater. c. Two (2) 6" auxiliary defroster fans. d. Electric heavy-duty water pump for heating system. e. Heater hoses to be silicone with constant torque clamps. f. Electronically controlled water regulating valve. | COMPLY |
| <u>INSULATION:</u> Body to be insulated with 1-1/2" of polyester/fiberglass insulation in roof, roof bows, sides and ends. Driver's firewall shall also be insulated. Provide perforated headlining panels full length. | COMPLY |
| <u>LIGHTS:</u> a. Halogen hi/low beam headlights & daytime running lights. b. 4" LED combination Red stop/tail lights. c. 7" LED combination Red stop/tail lights. d. 7" LED front directional lights at the front hood corners near headlights. LED directional lamps on front fenders. e. 7" LED rear Amber Directional lights. f. LED front & rear Side directional lights. g. 4" LED back-up lights. h. LED clearance/cluster & marker lights, wired battery hot. | COMPLY |

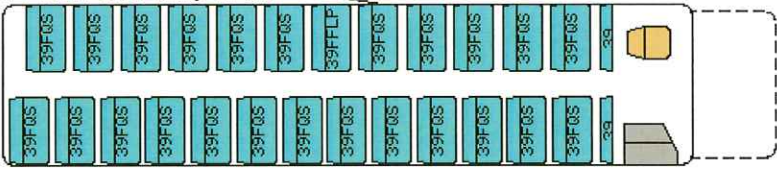
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| <div>i. Eight lamp LED warning system with individual black hoods, wired battery hot.</div> <div>j. Two rows LED dome lights on separate switches for front half & rear half of rows, wired battery hot.</div> <div>k. Two LED Driver's dome lights with separate switches.</div> <div>l. LED Stepwell lights, wired to operate with ID lights with entrance door open.</div> <div>m. Required reflectors.</div> <div>n. Strobe light, roof mount with pilot.</div> <div>o. Fog lights, front bumper area.</div> <div>p. Electric operated solid state stop arm with reflectorized blade and flashing LED/Strobe lights, mounted rear.</div> <div>q. All other lighting required to meet California standards.</div> | COMPLY |
| <div>MIRRORS:</div> <div>Interior: 6" X 30" with monitor and backup camera system.</div> <div>Exterior: Mirrors shall conform to FMVSS 111. Rosco Open View, ES Split mirror system, mounted to provide driver maximum view. Include Rosco Eye-Max LP, asymmetric crossview mirrors left & right. Mirror arms shall be black painted steel. All exterior mirrors are to be heated & remote controlled.</div> | COMPLY |
| <div>MUD FLAPS:</div> <div>Behind front and rear wheels, both sides, extended.</div> <div>Mud flaps in front of rear wheels shall also be provided.</div> <div>Rear rubber fenders to be included.</div> | COMPLY |
| <div>PAINT & LETTERING:</div> <div>Exterior - Yellow.</div> <div>Roof - White.</div> <div>Rub Rails - Black.</div> <div>Wheels - Yellow.</div> <div>Interior - White.</div> <div>Bumpers - Black.</div> <div>3M Diamond Grade reflective yellow vinyl tape: 1" minimum width strip surrounding each emergency exit.</div> <div>Lettering to California standards, supplied to vendor after award of bid to include District Name, CA # & Unit #.</div> | COMPLY |
| <div>RADIO:</div> <div>AM/FM/USB MP3 Aux port/PA installed with a minimum of eight (8) interior speakers & one (1) exterior speaker. Include pre-wiring (only) for 2-way radio system (Do not include 2-way radio).</div> | COMPLY |

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| <p><u>SAFETY EQUIPMENT:</u></p> <ul style="list-style-type: none"> a. 24-unit first aid kit, in metal case. b. 5 lb. dry fire extinguisher with hose, for Type A, B & C classified fires. c. Triangle warning devices in container. d. 6" X 30" sun visor, Opaque. e. CHP certificate holder. f. Back-up alarm with 112 db. g. Hand held stop sign & holder. h. Noise suppression switch. i. Removable trash container & Driver's cup holder. j. Child Check safety system – EP1 (or) Equal. | COMPLY |
| <p><u>SEATS (Driver's):</u></p> <p>National "Premium" air suspension driver's seat meeting FMVSS 222. Fore, Aft & Vertical adjustments & dual shocks. Charcoal fabric & black carpet back. Driver's 3pt. retractable seat belt.</p> | COMPLY |
| <p><u>SEATS (Passenger):</u></p> <p>39" LH & RH Student Safety Seats, designed & installed to meet all requirements of FMVSS 222. Blue vinyl fire retardant upholstery. Flip seat at side emergency door. All passenger seats to include 3-point safety belts as required by CA Title 13. Safety barriers with aluminized modesty panels in front of right & left front seats, upholstered to match seats.</p> <div style="text-align: center;"> <p>SP: 30595 BBCV 3310, 75 CAP</p>  <p>BP: 5014552 BBCV 3310 273 MB</p> </div> | COMPLY |
| <p><u>STEPWELL:</u></p> <p>Three (3) step G90 galvanized steel entrance angled toward center aisle with rubber covered steps with white nosing to meet National Standards. A handrail shall be installed at rear (left side) and front (right side) of stepwell.</p> | COMPLY |
| <p><u>UNDERCOATING:</u></p> <p>Body shall be fully undercoated under floor, skirt panels and wheel wells prior to mounting on chassis.</p> | COMPLY |

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| <u>VENTILATION:</u> Static non-closing vent installed in forward roof body section. | COMPLY |
| <u>WINDSHIELD WIPERS:</u> Two dual speed electric motors with dynamic brake. Five intermittent settings & HI/Low single switch control. Pantograph-type, bottom mounted with remote control. Electric windshield washer with hard plastic 4-quart capacity reservoir located behind left front access door, washer outlets mounted on wiper arms. | COMPLY |
| <u>REPAIR MANUALS:</u> Maintenance manual shall be provided to include wiring diagrams. Parts and service manuals shall be provided online. | COMPLY |
| <u>WARRANTY:</u> Enclose a copy of bus manufacturer's limited warranty. <ol style="list-style-type: none"> 1. Five (5) years or 100,000 miles: Cummins engine standard limited warranty. 2. Five (5) years unlimited miles: Allison transmission standard limited warranty. 3. One (1) year/12,000 miles: Factory standard limited warranty. | COMPLY *See Attached Manufacturers Standard Warranty Statements |

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| ADDITIONAL AVAILABLE OPTIONS: | *All options subject to compatibility |
| <p>1.) <u>Wheelbase/Body Options:</u></p> <p style="margin-left: 40px;">1a.) 273" – 3303 body</p> <p style="margin-left: 40px;">1b.) 252" – 3011 body</p> <p style="margin-left: 40px;">1c.) 238" – 2807 body</p> <p style="margin-left: 40px;">1d.) 217" – 2610 body</p> <p style="margin-left: 40px;">1e.) 217" – 2508 body</p> <p style="margin-left: 40px;">1f.) 189" – 2311 body</p> <p style="margin-left: 40px;">*Capacity subject to change. 1g.) 169" – 1910 body</p> | <p>Deduct \$ 301</p> <p>Deduct \$ 1,101</p> <p>Deduct \$ 2,003</p> <p>Deduct \$ 2,704</p> <p>Deduct \$ 3,105</p> <p>Deduct \$ 3,806</p> <p>Deduct \$ 5,409</p> |
| <p>2.) <u>ELECTRIC ENGINE & DRIVETRAIN PACKAGE:</u></p> <p>EV Package to include fully integrated system with OEM bus provider. Batteries shall be lithium ion with nickel manganese cobalt (NMC) chemistry. Battery temperature to be maintained through an active thermal liquid cooled system, prolonging cell life. Batteries to be protected in a steel cage that runs between the frame rails for optimal safety with manual service disconnects (MSDs) easily accessible & labeled for first responders. Total battery capacity must equate to 100+ mile range with demonstrated efficiency rates provided. Battery warranty to provide 8 years, 125,000 miles, or 160,000 kWh of gross discharge throughput, whichever occurs first, with capacity at end of warranty of at least 70% of the initial usable capacity. All electric related drivetrain components to be warrantied for 5 years or 100,000 miles.</p> <p>Bus shall be capable of AC level-2 charging at 19.2 kWh with a SAE J-1772 connector and DC level-3 charging at a minimum of 50 kWh through a CCS-1 charge port, with level-3 bi-directional flow for vehicle-to-grid (V2G) capability. The electric system shall be designed to be compatible with ISO 15118-2 and DIN 70121 communication interface standards and designed to operate per IEC 61851. System voltage range shall be between 550-705 V to allow for compatibility with high speed heavy-duty vehicle charging infrastructure. Charge port should be located at rear of bus. A variable speed noise generator should be included to warn pedestrians of the bus's approach.</p> <p>Exhaust, transmission, and other components may be modified and/or removed to satisfy the requirements of the Electric drivetrain package.</p> | <p>Add \$ 225,000</p> |

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| 3.) EV – ELECTRIC OPTIONS: 3a.) Front EV charging port in Lieu of standard rear 3b.) J1772 Portable charging adapter - Standard 3c.) High-powered J-1772 Portable charging adapter 3d.) Telematics portal access to receive live telematics updates on the bus – Each 1 Year Subscription (*A Multiple year subscription for multiple buses may also be purchased – multiply Add \$ cost by # of years required) 3e.) Double LH luggage compartment w/shocks & lights (Only available with Roof (or) no AC system) 3f.) Inwall Skirt mount AC system for EV 3g.) Inwall Roof mount AC system for EV 3h.) Transit style Inline Roof mount AC system for EV (Valeo REVO (or) Equal) 3i.) Reduced EV battery capacity 3j.) Extended EV battery capacity 3k.) Cold-weather package for EV model 3l.) Paint bumper green (or) blue 3m.) Paint wheels green (or) blue | Add \$ 651 Add \$ 799 Add \$ 999 Add \$ 3,000 First year / Hardware Included \$ 2,000 Per year / Annual License Add \$ 2,105 Add \$ 18,384 Add \$ 19,824 Add \$ 25,000 Deduct \$ 18,000 Add \$ 35,000 Add \$ 4,966 Add \$ 822 Add \$ 1,332 |
| 4.) Cummins B 6.7L Diesel Engines: 4a.) 200 hp / 520 lb-ft torque 4b.) 220 hp / 600 lb-ft torque 4c.) 240 hp / 560 lb-ft torque 4d.) 250 hp / 660 lb-ft torque 4e.) 260 hp / 660 lb-ft torque | Deduct \$ 3,356 Add \$ Deduct \$2,343 Add \$ Deduct \$2,364 Add \$ Deduct \$491 Add \$ Included on base bid |
| 5.) Gasoline Engine & Fuel system: Ford 7.3L V8 350 HP engine with Ford 6R140 six speed automatic transmission. FMVSS 301 fuel integrity standards compliant fuel tank to be located in rear overhand behind rear axle. Selection of this option replaces engine, transmission, exhaust, cooling system, fuel system and related diesel engine components. 5a.) Ford 6.8L Gasoline engine & fuel system | Deduct \$ 4,000 Deduct \$ 6,000 |

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| 6.) <u>Propane engine & fuel system</u> : Ford 7.3L V8 engine 350 horsepower engine with Ford 6R140 six speed automatic transmission. Euro fuel fill connector located on right side behind rear axle. Fuel system to include two (2) infinitely variable fuel pumps located in in fuel tank and fuel filters going into fuel tank and from fuel tank to engine. Fuel tank to be located in rear overhang behind rear axle and fuel system to comply with FMVSS301 and CMVSS301.1 fuel integrity standards and NFPA. Selection of this option replaces engine, transmission, exhaust system, cooling system, fuel system and related diesel engine components. | Add \$ 15,000 6b.) Low Nox option - Add \$7,500 |
| 6a.) Ford 6.8L Propane engine & fuel system | Add \$12,000 6a1.) Low nox option Add \$5,500 |
| 7.) <u>CNG engine & fuel system</u> : Ford 6.8L V10 engine 269 horsepower at 3900 RPM with Ford 6R140 six speed automatic transmission. Selection of this option replaces engine, transmission, exhaust system, cooling system, fuel system and related diesel engine components. Dedicated CNG fuel system with fuel cylinders with 20 years lifetime. System complies with NFPA 52 recommendations, FMVSS 303 (fuel system integrity for compressed natural gas vehicles), and CA Title 13 specifications. Requires 3600psi CNG fuel accessories. Dual rear fuel fill locations & door interlocks to be provided. | Add \$ 35,000 |
| 8.) <u>Fire suppression</u> : | 8a.) Fog Maker 8b.) Amerex |
| | Add \$ 4,476 Add \$ 5,400 |
| 9.) Engine block heater | Add \$ 188 |
| 10.) Transmission, Allison 3000 PTS/SEM automatic 5 or 6 speed *(Requires Engine upgrade) | Add \$ 5,724 |
| 11.) Telma retarder electromagnetic driveline retarder | Add \$ 13,284 |
| 12.) <u>Suspension</u> : | 12a.) Rear spring suspension 12b.) Front Air Ride Suspension *(Requires rear air suspension as provided on base bid) |
| | Deduct \$ 1,023 Add \$ 836 |
| 13.) <u>Tires/Spare Tire</u> : | 13a.) Premium Tire Upgrade (6) 13b.) 10R 22.5 Tires (6) 13c.) Lo-profile Tires (6) 13d.) Spare Tire 10R (or) 11R 13e.) Spare Tire Low Profile |
| | Add \$ 2,950 Deduct \$ 665 Add \$ Deduct \$99 Add \$ 805 Add \$ 735 |

WATERFORD UNIFIED SCHOOL DISTRICT - Bid #01/22
NEW 75 PASSENGER CONVENTIONAL SCHOOL BUS

| SPECIFICATION | | BIDDER'S RESPONSE - MUST COMPLY OR STATE DEVIATIONS IN FULL |
|--|--|--|
| 14.) <u>Wheels/Spare Wheels:</u> | 14a.) Aluminum wheels (6) | Add \$ 3,122 |
| | 14b.) Spare Steel Wheel | Add \$ 380 |
| | 14c.) Spare Aluminum wheel | Add \$ 497 |
| | | |
| 15.) Frame mounted spare tire carrier | | Add \$ 722 |
| 16.) On-spot tire chains | | Add \$ 4,499 |
| 17.) 60-gallon fuel capacity | | Deduct \$ 370 |
| 18.) <u>Brakes:</u> | 18a.) Hydraulic brakes *(Subject to compatibility) | Deduct \$ 2,539 |
| | 18b.) Air drum brakes | Deduct \$ 1,848 |
| 19.) Adjustable pedals | | Add \$ 1,336 |
| 20.) Bendix AD-9 air dryer | | Add \$ 328 |
| 21.) Manual air drains | | Deduct \$ 414 |
| 22.) Replace primary & secondary gauges with 10# gauges | | Add \$ 1,102 |
| 23.) ATC – Automatic Traction Control | | Add \$ 588 |
| 24.) Delete ESC – Electronic Stability Control (Some models) | | Deduct \$ 649 |
| 25.) <u>Collision Mitigation:</u> | 25a.) Passive alert system | Add \$ 2,842 |
| | 25b.) Active alert system | Add \$ 7,640 |
| 26.) <u>Batteries:</u> | 26a.) Two 8D batteries | Add \$ 174 |
| | 26b.) Standard slider battery compartment | Deduct \$ 405 |
| 27.) <u>Alternators:</u> | 27a.) 210 amp alternator | Deduct \$ 320 |
| | 27b.) 325 amp alternator | Add \$ 186 |
| 28.) <u>Heaters:</u> | 28a.) EPDM heater hose w/CT clamps | Add \$ 208 |
| | 28b.) Additional 50K BTU Floor mount | Add \$ 749 |
| | 28c.) 40K BTU Rear Wall mount | Add \$ 174 |
| | 28d.) 80K BTU Rear Wall mount | Add \$ 448 |
| 29.) <u>Mirrors:</u> | 29a.) Heated only exterior mirrors | Deduct \$ 81 |
| | 29b.) Delete heated & remote mirrors | Deduct \$ 391 |
| 30.) Add reflective tape sides & rear | | Add \$ 321 |

WATERFORD UNIFIED SCHOOL DISTRICT - Bid #01/22
NEW 75 PASSENGER CONVENTIONAL SCHOOL BUS

| SPECIFICATION | BIDDER'S RESPONSE - MUST COMPLY OR STATE DEVIATIONS IN FULL |
|---|---|
| 31.) <u>Camera & Specialty Systems:</u> 31a.) Standard 3 head camera system, installed 31b.) Additional camera head - Each 31c.) Delete backup camera/mirror system 31d.) EP2 Child check safety system (or) equal (Standard system - Programming not included) 31e.) Zonar, Standard system installed 31f.) Z-Pass & Tablet for Zonar system 31g.) WiFi router & antenna 31h.) 12v USB power ports for each passenger 31i.) 360 Degree camera system, installed | Add \$ 3,322 Add \$ 571 Deduct \$ 408 Add \$ 460 Add \$ 1,872 Add \$ 1,134 Add \$ 1,446 Add \$ 2,226 Add \$ 3,820 |
| 32.) <u>Lights:</u> 32a.) Delete LED light package: Including Stop/Tail, Directional Front/Rear/Sides & Backup lights (Incandescent/Halogen provided) 32b.) Delete LED 8way warning lights & stop arm (Incandescent/Halogen provided) 32c.) Delete LED interior Dome lights (Incandescent provided) 32d.) Delete Strobe light w/pilot 32e.) Delete Fog lights in front bumper area | Deduct \$ 259 Deduct \$ 667 Deduct \$ 515 Deduct \$ 168 Deduct \$ 332 |
| 33.) Stainless steel stepwell upgrade | Add \$ 728 |
| 34.) <u>Floor:</u> 34a.) 5/8" treated Plywood 34b.) Tan (or) Dark Gray floor rubber 34c.) Stud Step Treads | Add \$ 841 Add \$ 414 Add \$ 521 |
| 35.) Delete full length acoustic headlining | Deduct \$ 741 |
| 36.) <u>Side Panels:</u> 36a.) 16 Ga. Extended side panels w/19 3/4" skirts 36b.) 20 Ga. Standard side panels w/16.25" skirts | Deduct \$ 265 Deduct \$ 891 |
| 37.) <u>Entrance Door:</u> 37a.) Manual operated entrance door 37b.) Electric operated entrance door | Deduct \$ 301 Add \$ 448 |
| 38.) 2pc. Curved Shaded windshield | Add \$ 148 |

WATERFORD UNIFIED SCHOOL DISTRICT - Bid #01/22
NEW 75 PASSENGER CONVENTIONAL SCHOOL BUS

| SPECIFICATION | | BIDDER'S RESPONSE - MUST COMPLY OR STATE DEVIATIONS IN FULL |
|---|---|--|
| 39.) <u>Luggage Compartments:</u> | | |
| 39a.) Delete Double Mid-mount luggage compt - Each | | Deduct \$ 1,331 |
| 39b.) Single Rear overhang compt w/lights - Each | | Add \$ 1,416 |
| 39c.) Single Mid-mount compt w/lights - Each | | Add \$ 1,115 |
| 40.) <u>Driver's Seat:</u> | | |
| 40a.) Manual driver's seat in lieu of air controlled | | Deduct \$ 351 |
| 40b.) Heated air driver's seat | | Add \$ 159 |
| 41.) <u>3pt Floor Mount Seats:</u> | 41a.) 45" | Add Each \$ N/A |
| | 41b.) 39" | Add/Deduct Each \$ 663 |
| | 41c.) 36" | Add Each \$ 728 |
| *Capacity subject to change | 41d.) 30" | Add Each \$ 661 |
| 42.) <u>3pt Seats with "Child Restraint" positions:</u> | 42a.) 45" | Add Each \$ N/A |
| | 42b.) 39" | Add Each \$ 1,175 |
| | 42c.) 36" | Add Each \$ 1,450 |
| *Capacity subject to change | 42d.) 30" | Add Each \$ 1,069 |
| 43.) <u>3pt Track Mount Seats:</u> | 43a.) 45" | Add Each \$ N/A |
| | 43b.) 39" | Add Each \$ 869 |
| | 43c.) 36" | Add Each \$ 781 |
| *Capacity subject to change. | 43d.) 30" | Add Each \$ 734 |
| 44.) <u>Fire Block Upholstery:</u> | Black, Brown, Burgundy, Gray, Green, or Teal in lieu of standard Blue | Add \$ N/C |
| 45.) <u>Barriers:</u> | 45a.) Barrier in lieu of Flip seat | Deduct \$ 660 |
| *Capacity subject to change | 45b.) Track mounted barrier | Add \$ 255 |

WATERFORD UNIFIED SCHOOL DISTRICT - Bid #01/22

NEW 75 PASSENGER CONVENTIONAL SCHOOL BUS

| SPECIFICATION | BIDDER'S RESPONSE - MUST COMPLY OR STATE DEVIATIONS IN FULL |
|---|---|
| 46.) School Activity Bus: *Capacity subject to change 46a.) School Activity seats w/fabric upholstery & 3pt belts 46b.) Interior parcel racks LH & RH full length 46c.) Add row of dome lights down center aisle ceiling 46d.) Front & Rear flip visors & flip signs 46e.) Standard Video DVR & 4 flip down monitors (Not available with interior parcel racks) 46f.) Delete 8way warning lights & stop arm, paint exterior white for MFSAB Multi-Function School Activity Bus (All other school bus requirements to be included) | Add Each \$ 1,167 Add \$ 5,574 Add \$ 546 Add \$ 1,218 Add \$ 8,440 Deduct \$ 295 |
| 47.) Special Needs Equipment: 47a.) Flat floor without rear wheel housings (*Requires Rear air ride suspension provided on bid & requires Option 12c.) Low profile tires) 47b.) Lift door & Braun W/C lift & pad kit 47c.) Lift door & Ricon W/C lift & pad kit 47d.) Wheelchair position, L-Track 47e.) Wheelchair tracks, LH full length 47f.) Wheelchair tracks, RH full length 47g.) Q-Straint Retractable W/C tiedowns 47h.) Surelok Retractable W/C tiedowns (*WC Tiedown sets Include Lap & Shoulder belts) | Add \$ 175 Add \$ 7,560 Add \$ 8,381 Add Each \$ 1,050 Add \$ 4,942 Add \$ 4,942 Add Each set \$ 682 Add Each set \$ 682 |
| 48.) Air Conditioning: *Luggage capacity may be affected 48a.) InWall Freeblow skirt mount 48b.) Ducted skirt mount 48c.) InWall Freeblow roof mount 48d.) Ducted roof mount 48e.) A/C Upgrade Transit style Freeblow roof mount system 48f.) A/C Upgrade Transit style Ducted roof mount system 48g.) Compressor upgrade in lieu of standard 48h.) Dash AC (or) Mid-ship evap Add on – Specify which *All A/C options require 280 amp alternator minimum | Add \$ 10,194 Add \$ 13,268 Add \$ 12,046 Add \$ 15,121 Add \$ 20,143 Add \$ 23,987 Add \$ 3,564 Add \$ 1,217 |

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October 2022



1900 S. Riverside Ave.
Colton CA 92324
(800) 437-5522
<https://a-zbus.com>



Brandon Bluhm
bbluhm@a-zbus.com
(909) 709-7004

Quote #21921
November 3, 2021 **2021 (or) Newer Blue Bird BBCV 3310**

| | | |
|-----------|-----------------------------------|--------|
| Customer: | Waterford Unified School District | Attn: |
| Mailing | 219 N. Reinway Avenue | Phone: |
| Address: | Bldg. 2 | Email: |
| | Waterford, CA 95386 | |

| | | | |
|------------|--------------|---------------|----------------------|
| Quantity: | 1 | Wheelbase: | 273" |
| GVWR: | 33,000# | Transmission: | Allison 2500 PTS/SEM |
| Engine: | B 6.7L 280HP | Suspension: | Spring/Air |
| Fuel Type: | Diesel | Brakes: | Air Disc |
| Fuel Port: | Standard | Upholstery: | Blue |
| Capacity: | 75 Amb | WC Lift: | N/A |
| AC: | N/A | | |

Body Content

- | | |
|---|---|
| <ul style="list-style-type: none"> • Emerg Equip Compart Front Overhead • Double,RHMM,Luggage,28.40 CU.FT. Total • Double,LHMM,Luggage,28.40 CU.FT. Total • Forward Grabrail • Emergency Door Left 28 inch • Mud Flaps - Front • Mud Flaps w/logo - Rear • Mud Flap Extension - Rear • Rubber Fenders - Rear • Floor Triangular Warning Device • Floor - 1/2" Plywood • Floor - Plywood Screwed Down • Acoustic Headlining - Full Length • Stop When Red Lights Flash Decal | <ul style="list-style-type: none"> • Emergency Door Arrows • Lights - Day Run Lights w/park brake deactive • Yellow Entrance Door • Paint - NSB Yellow Exterior • Black Blue Bird Logo • Paint - Bright White Roof 12.5" • Side Panel 16 ga 25 3/4 skirt • Driver 3pt belt - Black • Visor Left Arcylic Adjust., Opaque • Windshield Flat Shaded • 77" Headroom • Aux. Fan Upper Left 6" • Aux. Fan Upper Center 6" • Vent,Advantage,Standard |
|---|---|

- 50k Left Rear Floor Heater
- Pre-Trip Exterior Light Test
- Directional LED Light Fender Mount
- Dome Lights - LED
- LED 8 Way Lights - Amber/Red
- Warning Flashing Pilot Light - Left
- Strobe Light - 4ft from Rear
- Clear LED Strobe Light
- Radio - W/ PA System
- 8 Speaker Deluxe System w/wiring
- Outside Speaker Under Hood - Right
- Pre-Wire 2Way Radio Center Dash
- Stop Arm - LED Strobe Cluster
- Stop Arm Location - Rear
- Backing Safety Horn 112DB
- Rubrails - Full Width Black
- Yellow Chassis Grille
- Interior Paint Astro White
- Rearview 6X30 Int. Mirror w/monitor
- Heated Ext. Mirror w/Remote Control
- Exterior Open View Split System Mirror
- Crossview Eye-Max Mirror
- Pre-Wire Video Monitor System
- Modesty Panel Barrier Ent. Door
- Modesty Panel Left Driver Barrier
- National Air Prem Mor-Dura Charcoal Driver Seat
- Right Driver Seat Armrest

- 39" High Back Barrier
- Rebond Seat Cushion Pad
- Barrier - Blue Fire Block
- Seat,39", Flat,3-PT Belt,Convert
- Seat,39",Flat,3-PT Belt, Full FM,Convert
- Seat,39,Flat,Flip,3-PT Belt,Convert
- Cup Holder
- Glove Box in Dash
- Arm Rest on Driver's Console
- Trash Container
- Overhead Storage - Locking
- Galvanized Stepwell
- Door Control - Air Power Mom. Switch 2-Pos
- Security Lock Entrance Door
- Rear Emerg. Door - 2 Window
- Black Rubber Floor
- Vinyl Ribbed Steptread
- Vinyl Black Steptread
- Ent. Door Barrier Handrail 3.25"-5.25"
- Driver Green Lam. Window Black Frame
- Rear Emerg Door Buzzer
- Left Emerg Door Buzzer
- 12" S/S Tint Lam Window Black Frame
- Back-Up Camera
- Delete Roof Hatch Buzzer
- Roller Tray Battery Compt - Chas Mntd

Chassis Content

- Front Spring Suspension Softek - Leaf& Bit 10000
- Performace TCM Program Allison Transmission
- Air Disc Brakes
- Bendix AD-IP Air Dryer
- Steel Rear Bumper
- 12" Steel Front Bumper
- Cruise Control
- 280 amp Brushless Alternator
- 3 - Group 31 Batteries
- Governor, 65 MPH
- Engine Emissions Control, 2021
- Tailpipe Through Bumper
- 100 Gallon Diesel Fuel System - Right Fill
- Cooper 11R22.5 LRG, RHA Tires
- Front Tow Hooks
- Rear Tow Hooks
- Yellow Steel Wheels 8.25x22.5/5HH
- Electronic Stability Control
- Exhaust VGT

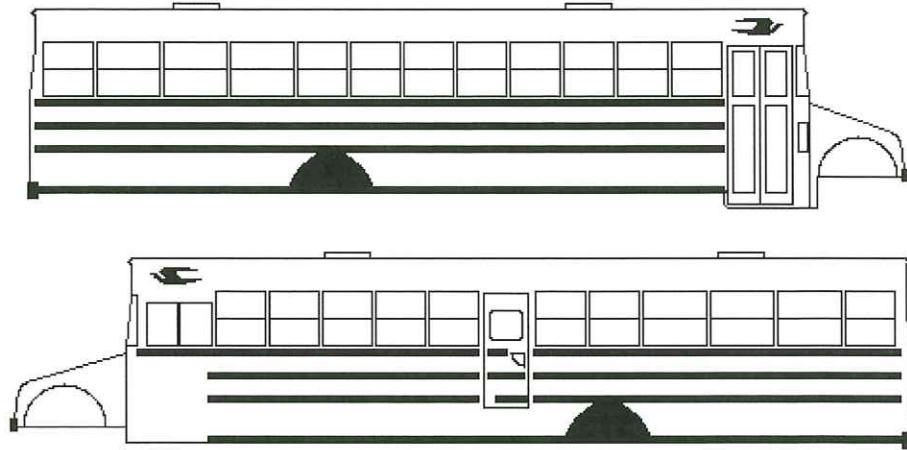
| |
|----------------------|
| Dealer Added Content |
|----------------------|

- Lettering
- Hand held stop sign & holder
- FE/FAK/Decals - CA specs
- EP1 Child check safety system - CA spec
- Electric air drain valves w/controls in drivers compt
- Fog lights in front bumper area

Quote Id: 205991

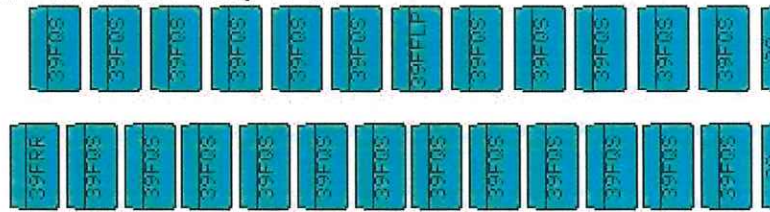
Body Plan / Seat Plan Information

Body Plan: 5015166



Seat Plan: 30781

SP: 30781 BBCV 3310, 75 CAP



Quote Id: 205991

Seat Plan Spacing Chart