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 the The undersigned, having carefully read to October 21, 2021, and the Specifications documents the following:	he Notice To Bidders as published	on October 14, 2021, and
One or more – Description:	Blue Bird All American Fro	ont Engine
Capacity:	84 Ambulatory	
Cost (excluding sales tax)	\$ 174,465.03	+ Sales Tax
Estimated Delivery Date:	240-180 Days ARO	
Note: Pursuant to Public Contract Code Section the State of California (Including but not limited Monterey, Fresno, and Santa Barbara Counties conditions. The Bidding Agency waives its riginand authorizes each District to make payment of payment of reasonable costs per Public Contrareject any and all bids, and to waive any irregulations.	It to: Kern, San Bernardino, Orange, San t) to purchase equipment and supplies u hts to require other Districts to draw the directly to the successful Bidder. The B act Code Section 20118. We understand	Diego, Riverside, Los Angeles, under the same terms and eir warrants in favor to this District kidding Agency agrees to waive the District reserves the right to
Name of Bidder:	A-Z Bus Sales, Inc.	
Signed by:	2/1/2000	
Name & Title:	John Landherr / President &	& CEO
Address:	1900 S. Riverside Avenue	
•	Colton, CA 92324	
Phone:	951-781-1841	
Fax:	951-781-9806	
Email:	ilandherr@a-zbus.com	

SPECIFICATION

BIDDER'S RESPONSE — MUST COMPLY OR STATE DEVIATIONS IN FULL

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.

2021 Model Year (or Newer) Transit Style Front Engine School Bus

Capable of supporting the specified 84-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.

Bidder must be a valid franchised dealer for units bid in the state of California.

Vehicles bid shall meet **All Applicable FMVSS & current California** standards for school Buses at time of manufacture.

YEAR: 2021 (or Newer)

CHASSIS MFG: Blue Bird

MODEL: T3FE

BODY MFG: Blue Bird

MODEL: 3909s

CAPACITY: 84 Ambulatory

VEHICLE DIMENSIONS:

G.V.W.R. - 37,600# (35,100# CA) minimum

Wheelbase shall not exceed 232"

Overall length (including bumpers) 479"

Overall height 128" maximum

Overall width 96" (excluding mirrors)

Headroom 77" minimum

G.V.W.R.: 37,600#

WHEELBASE: 232"

OVERALL LENGTH: 479"

OVERALL HEIGHT: 128"

OVERALL WIDTH: 96"

HEADROOM: 77"

CHASSIS OPTIONS

AXLES:

Front – 14,600# rating. Petroleum oil lubed wheel bearings. Include Hubcaps w/ window seals. Fabricated designed axle, with 50 degree turning angle.

Rear - 23,000# rating. Single reduction. Petroleum lubricant is required with 5.29 ratio, with oil lubed bearings.

COMPLY

BRAKES - SERVICE:

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 action of the inner and outer pad shall apply 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.

COMPLY

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Provide electric air drain valves with controls located in driver's compartment and a Bendix AD-IP air dryer.	COMPLY
ESC: Electronic Stability Control shall be included.	
BRAKES - EMERGENCY/PARKING: Internal expanding, transmission mounted, 9" diameter x 3" wide, with hand release.	COMPLY
BUMPERS: Styled front & rear bumpers shall each be die formed from single 3/16" steel plate & be 12" high after forming with 90° flanges top & bottom for strength. Front bumper shall include step holes for cleaning windshield. Rear bumper shall have a 14" wrap around at each side.	COMPLY
 CONTROLS - DRIVER'S AREA: a. Electronic Throttle. b. Air brake pedal. c. Key type starter & 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 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
COOLING SYSTEM: Charge air & down-flow radiator shall be mounted in tandem at vehicle front. A 25" dia. nylon cooling fan with nine blades equipped with an electronically controlled viscous fan clutch driven by polyvee fan belt with spring loaded tensioner with fan controlled by Engine ECM shall be provided. Clutch will allow the fan to spin at continuous "coast" speed & ramp up & down depending on the need for cooling, determined by the engine ECM.	COMPLY

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Silicone cooling hoses meeting SAEJ20, Class A requirements with constant torque clamps. Transmission fluid cooled by 2,100 BTU/Min. heat exchanger external to radiator. Engine coolant shall be ES Compleat Coolant, Ethylene Glycol; Blue premix 50/50 provides anti-freeze protection to -34° F. two years/150,000 miles or 4000 hr. service intervals.	COMPLY
DRIVELINE: 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.	COMPLY
ELECTRICAL SYSTEM: Alternator – Leece Neville 12V, 280 Amp (or) approved equal.	
Battery – Three (3) Group 31, 12V negative ground with 2100 CCA minimum combined capacity. Batteries secured to frame mount roller tray with dual latches for securing tray in closed position with key lockable skirt access door. A master disconnect switch shall be included. Body wiring to be color & number coded throughout. Wiring protected by fuses & manual reset circuit breakers. Exterior electrical access shall be below driver's window & include an outside latch & keyed lock. Two spare 14 gauge body harness circuits to be provided for future use.	COMPLY
ENGINE: Cummins B-6.7L diesel engine with 280HP/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). 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.	COMPLY
EXHAUST SYSTEM: Primary DPF/SCR exhaust system to be provided with tailpipe exiting through rear bumper roadside.	COMPLY

	SPECIFICATION	BIDDER'S RESPONSE — MUST COMPLY OR STATE DEVIATIONS IN FULL
Oil f Air f Fuel	ERS: ilter - Full flow disposable. filter – Dry type. I filter - Spin-on type. I/water separator.	COMPLY
each 9.63 S inse prov	ME: rame shall consist of dual "C" channels of 50,000 PSI steel n with dual insert liners of equal PSI strength ¼" thick with 8" web with 3" flanges. ection modulus required shall be 10.1 in. cu. Sub-frame is erted into mainframe over areas of maximum stress to vide 18.5 in. cu. Section modulus. All permanent fixtures on frame shall be attached with Hi- sile strength "Huck-Spin" fasteners with swaged lock nuts.	COMPLY
100- rails plat plat entr	L TANK: -gallon fuel capacity with fuel tank located between frame s. A locking right hand fuel filler door & sender inspection e shall also be provided. Diesel Exhaust Fluid (DEF) tank shall be located behind the rance door. Fill door marked "DEF". 15-gallon capacity imum.	COMPLY
1.500	RN: I electric with non-glare horn button emblem. ude an underfloor air horn with foot control.	COMPLY
INST a. b. c. d. e. f. g. h. i. j. k. l. m. o.	Speedometer w/odometer & Tachometer. Resettable trip odometer. Ammeter & Engine hourmeter & Voltmeter gauge in LCD. Fuel level gauge. DEF level indicator located in LCD on dash cluster. Oil pressure & Coolant temperature gauges. Dual air pressure gauge. Low pressure light & buzzer for dual brake system. Engine exhaust brake activation notice in LCD on dash. High beam indicator. Right & left directional indicators. Engine warning light & buzzer for low oil pressure/high engine coolant temperature. Transmission temperature gauge. Accessory power socket & Digital clock. Console mounted arm rest, LH side.	COMPLY

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SHOCK ABSORBERS: Direct acting, double action piston type. Two front & two rear.	COMPLY
STEERING: Full power TWR THP-60 integral steering with tilt/telescoping column and 18" four spoke padded steering wheel. Hydraulic pump shall be gear driven. Ignition to be keyed alike.	COMPLY
SUSPENSION FRONT: 14,600# GAWRF at the ground. 2-Leaf 4" wide X 60" long, taper leave springs. Maintenance free rubber bushings each end of spring and at shackle bracket. SUSPENSION REAR: 23,000# capacity Hendrickson "Comfort Air" rear air ride suspension.	COMPLY
TIRES: Six (6) Factory standard 12R22.5 H All position radials with highway tread.	COMPLY
TOW HOOKS: Two front & two rear frame mounted tow hooks.	COMPLY
TRANSMISSION: Allison, Series 2500 automatic five speed and fully electronic is required. Shall be equipped with auxiliary in-line filter. Synthetic transmission fluid to be provided. Transmission to be set to performance mode.	COMPLY
VALVES: 1/4 turn globe valves to isolate coolant circulation to heaters from engine shall be included.	COMPLY
WHEELS: Six (6) Steel 22.5" X 8.25", 10 stud, hub-pilot disc, single front, dual rear.	COMPLY
BODY OPTIONS	
ACCESS PANELS: Fiberglass engine hood with top having a marine texturized non-skid surface. Hinged access door on engine hood for access for routine daily engine inspections & service shall be provided. Pivoting/removable front grill providing access to coolant level sight glass & radiator fill.	COMPLY

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27.5" x 21.75" friction hinged door to be located exterior below driver's window for access to body electrical junction, terminals & fuses. 27.5" x 15" hinged door to be located below electrical panel door to access chassis PDU box. Provide two hinged doors located on LH & RH sides of vehicle at front providing access to wiper motors, windshield washer reservoir, power steering reservoir, air restriction indicator. Service access to the air intake screen to be located through a hole in the right-hand side of the front bumper.	COMPLY
COMPARTMENTS: Double, RH & LH mid-mount luggage, Key lock, gas cylinders, & compartment lights to be included. Non-locking compartment above windshield in front header, 7" high x 48" wide. Driver's left hand overhead locking storage compartment shall also be provided.	COMPLY
CONSTRUCTION: Body parts must be rust-proofed after fabrication & before assembly. Floor panels shall be interlocking 14 ga. steel, weld joined. Main floor crossmembers to be formed when the floor sections meet. Joints immediately fore & aft of rear axles shall be reinforced with 3/16" thick steel angle 2.25"x 1.38"x96.8/4" wide. Both main & auxiliary crossmembers shall support the full width of the 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 roll-over strength. Body sheet metal shall be fastened with buck rivets on exterior and blind rivets on interior. 16 ga. exterior side panels shall be one piece from windowsills to bottom of skirt. Skirts shall be 25 ¾" extended. 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.	COMPLY

SPECIFICATION	BIDDER'S RESPONSE — MUST COMPLY OR STATE DEVIATIONS IN FULL
<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.	
Kentucky Pole Test: 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.	COMPLY
EMERGENCY EXITS: 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. Four emergency push-out windows, two LH & two RH side, with vertical hinges, buzzers & instruction decals to be provided. Two (2) roof vent emergency exits shall be provided with an exterior release.	COMPLY
ENTRANCE DOOR: Air operated, outward-opening type with control on driver's switch panel. Include header pad & security lock.	COMPLY
FLOOR COVERING: 1/2" plywood attached with screws over 14 ga. steel. Black floor rubber, 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 interior wheel housings. Rounded rust proofed galvanized steel cove molding where floor meets wall.	COMPLY
GLASS: Windshield - AS-1 tinted, non-glare, 2-piece curved safety glass. Side & Push-out 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 tint tempered safety glass.	COMPLY

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HEATER AND DEFROSTER: a. 90,000 BTU front heater & defroster with washable filter. Defroster shall be full length below driver's window & windshield. b. 12,000 BTU front driver's heater. c. 50,000 BTU rear LH floor mount heater. d. Two (2) 6" auxiliary defroster fans. e. Electric heavy-duty water pump for heating system. f. Series type plumbing for the heater/defroster system for maximum heat & for driver's field of vision and safety. g. Heater hoses to be silicone with constant torque clamps. h. Electronically controlled water regulating valve.	COMPLY
INSULATION: 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
LIGHTS: 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 and rear Amber Directional lights. e. LED front and rear Side directional lights. f. 4" LED back-up lights. g. LED clearance/cluster & marker lights, wired battery hot. h. Eight lamp LED warning system with individual black hoods, wired battery hot. i. Two rows LED dome lights on separate switches for front half & rear half of rows, wired battery hot. j. Two LED Driver's dome lights with separate switches. k. LED Stepwell lights, wired to operate with ID lights with entrance door open. l. Required reflectors. m. Strobe light, roof mount with pilot. n. Fog lights, front bumper area. o. Electric operated solid state stop arm with reflectorized blade and flashing LED/Strobe lights, mounted rear. P. All other lighting required to meet California standards.	COMPLY

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MIRRORS: Interior - 6" X 30" with monitor and backup camera system.	
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.	COMPLY
MUD FLAPS: Behind front and rear wheels, both sides, extended. Mud flaps in front of rear wheels shall also be provided. Front & Rear rubber fenders to be included.	COMPLY
PAINT AND LETTERING: Exterior - Yellow. Roof White. Rub Rails - Black. Wheels - Yellow. Interior - White. Bumpers - Black. 3M diamond Grade reflective yellow vinyl tape: 1" minimum width strip surrounding each emergency exit. Lettering to California standards, supplied to vendor after award of bid to include District Name, CA # and Unit #.	COMPLY
RADIO: AM/FM/USB MP3 Aux port/PA installed with a minimum eight of eight (8) interior speakers & one (1) exterior speaker. Include pre-wiring (only) for 2-way radio system (Do not include 2-way radio).	COMPLY
 SAFETY EQUIPMENT & MISC: 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 and holder. h. Noise suppression switch. i. Driver's cup holder. j. Child Check safety system – EP1 (or) Equal. 	COMPLY

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SEATS (Driver's): 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.	COMPLY
SEATS (Passenger): 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.	COMPLY
8	
STEPWELL: Three (3) step G90 galvanized steel entrance angled toward center aisle with stepwell protection and rubber covered steps with white nosing to meet National Standards. Maximum riser height shall be 8-1/2". A handrail shall be installed at rear (left side) & front (right side) of stepwell.	COMPLY
<u>UNDERCOATING</u> : Body shall be fully undercoated under floor, skirt panels and wheel wells prior to mounting on chassis.	COMPLY
VENTILATION: Static non-closing vent installed in forward body section on roof. Manual driver's fresh air intake on left by driver's feet.	COMPLY
WINDSHIELD WIPERS: 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

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REPAIR MANUALS: Maintenance manual shall be provided to include wiring diagrams. Parts and service manuals shall be provided online.	COMPLY
WARRANTY: Enclose a copy of bus manufacturer's limited warranty.	
 Five (5) years or 100,000 miles: Cummins engine standard limited warranty. Five (5) years unlimited miles: Allison transmission standard limited warranty. One (1) year/12,000 miles: Factory standard limited warranty. 	COMPLY See Attached Manufacturers Standard Warranty Statements
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1b.) 190" WB – 3508 (or) 3406 body Ded 1c.) 169" WB – 3107 body Ded *Capacity subject to change. 1d.) 141" WB – 2903 body Ded	SPECIFICATION BIDDER'S RESPONSE – MUST COMPLY OR STATE DEVIATIONS IN FULL
1a.) 211" WB – 3800 (or) 3603 body 1b.) 190" WB – 3508 (or) 3406 body 1c.) 169" WB – 3107 body *Capacity subject to change. 1d.) 141" WB – 2903 body *Capacity subject to change. 1d.) 141" WB – 2903 body *ELECTRIC ENGINE & DRIVETRAIN PACKAGE: 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. 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 bidirectional 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	NAL AVAILABLE OPTIONS: *All options subject to compatibility
	*All options subject to compatibility *All options subject to compatibility *All options subject to compatibility Deduct \$ 701 Deduct \$ 701 Deduct \$ 1,702 Deduct \$ 3,206 Deduct \$ 4,107 *All options subject to compatibility Deduct \$ 4,107 *All options subject to compatibility Deduct \$ 1,702 Deduct \$ 3,206 Deduct \$ 4,107 *All options subject to compatibility Deduct \$ 2,5000 *All options subject to compatibility Deduct \$ 1,702 Deduct \$ 3,206 Deduct \$ 4,107 *Add \$ 225,000 *Add \$ 225,000
Exhaust, transmission, and other components may be modified and/or removed to satisfy the requirements of the Electric drivetrain package.	d/or removed to satisfy the requirements of the

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3.) EV – ELECTRIC OPTIONS:	
3a.) Front EV charging port in Lieu of standard rear	Add \$ 651
3b.) J1772 Portable charging adapter - Standard	Add \$ 799
3c.) High-powered J-1772 Portable charging adapter	Add \$ 999
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)	Add \$3,000 First year / Hardware Included \$ 2,000 Per year / Annual License
3e.) Double LH luggage compartment w/shocks & lights (Only available with Roof (or) no AC system)	Add \$ 2,105
3f.) Inwall Skirt mount AC system for EV	Add \$ 18,384
3g.) Inwall Roof mount AC system for EV	Add \$ 19,824
3h.) Transit style Inline Roof mount AC system for EV (Valeo REVO (or) Equal)	Add \$ 25,000
3i.) Reduced EV battery capacity	Deduct \$ 18,000
3j.) Extended EV battery capacity	Add \$ 35,000
3k.) Cold-weather package for EV model	Add \$ 4,966
3I.) Paint bumper green (or) blue	Add \$ 822
3m.) Paint wheels green (or) blue	Add \$ 1,332
4.) Cummins B 6.7L Diesel Engine: 4a.) 260 hp / 660 lb-ft torque *(Requires Allison 2500 (or) 3000 transmission)	Deduct \$ 1,822
4b.) 250 hp / 660 lb ft torque *(Requires Allison 2500 (or) 3000 transmission)	Deduct\$ 2,313
4c.) 240 hp / 560 lb-ft torque *(Requires Allison 2500 transmission–on base bid)	Deduct \$ 4,186
4d.) 220 hp / 520 lb-ft torque *(Requires Allison 2500 transmission-on base bid)	Deduct \$ 4,647
4e.) 200 hp / 520 lb-ft torque *(Requires Allison 2500 transmission-on base bid)	Deduct \$ 5,178
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 overhang behind rear axle. Selection of this option replaces engine, transmission, exhaust, cooling system, fuel system and related diesel engine components.	NXXXX Add \$25,000

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6.) Propane engine & fuel system: 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 \$ 35,000 *6a.) Low Nox option - Add \$7,500
7.) Transmission, Allison 3000 2500 PTS/SEM automatic	PTS/SEM transmission in lieu of transmission on base bid	Add \$ 5,724
*Compatible with s	ome engine models	
8.) Fire Suppression:	8a.) Fog Maker	Add \$ 4,476
}	8b.) Amerex	Add \$ 5,400
9.) Engine block heater	1	Add \$ 188
10.) Suspension:	10a.) Rear spring suspension	Deduct \$ 1,023
*(Requires Rear air r	10b.) Front Air Ride Suspension ide suspension as provided on base bid)	Add \$ 836
11.) Tires/Spare Tire:	11a.) Premium Tire Upgrade (6)	Add \$ 2,950
	11b.) 11R 22.5 Tires (6)	Deduct \$ 665
	11c.) 10R 22.5 Tires (6)	Deduct \$ 665
	11d.) Lo-profile Tires (6)	Andrax\$xx Deduct \$659
	11e.) Spare Tire 12R	Add \$ 875
	11f.) Spare Tire 10R (or) 11R	Add \$ 805
	11g.) Spare Tire Low Profile	Add \$ 735
12.) Wheels/Spare Wheels:	12a.) Aluminum wheels (6)	Add \$ 3,195
Į.	12b.) Spare Steel Wheel	Add \$ 380
	12c.) Spare Aluminum wheel	Add S 495
13.) Front mounted spare tire	carrier	Add \$ 722

14.) On-spot tire o	SPECIFICATION thains	BIDDER'S RESPONSE – MUST COMPLY OR STATE DEVIATIONS IN FULL Add \$ 4,499
15.) 60-gallon fuel		Deduct \$ 370
_ 5*//	16a.) Hydraulic brakes *(Subject to compatibility)	Deduct \$ 2,539
,	16b.) Air drum brakes	Deduct \$ 1,702
17.) Adjustable pe	dals	Add \$ 1,336
18.) Bendix AD-9 a	ir dryer	Add \$ 328
19.) Manual air dra	ain valves	Deduct \$ 414
20.) Replace prima	ry & secondary gauges with 10# gauges	Add \$ 1,102
21.) ATC – Automa	tic Traction Control	Add \$ 588
22.) Delete ESC – E	lectronic Stability Control (Some models)	Deduct \$ 649
23.) Collision Mitig	ation: 23a.) Passive alert system	Add \$ 2,842
)	23b.) Active alert system	Add \$ 7,640
24.) <u>Batteries:</u>	24a.) Two 8D batteries	Add \$ 174
	24b.) Standard slider battery compartment	Deduct \$ 405
25.) <u>Alternators</u> :	25a.) 210 amp alternator	Deduct \$ 320
	25b.) 325 amp alternator	Add \$ 186
26.) <u>Heaters:</u>	26a.) EPDM heater hose w/CT clamps	Add \$ 208
	26b.) Additional 50K BTU Floor mount	Add \$ 749
	26c.) 40K BTU Rear Wall mount	Add \$ 174
	26d.) 80K BTU Rear Wall mount	Add \$ 448
27.) <u>Mirrors</u> :	27a.) Heated only exterior mirrors	Deduct \$ 81
	27b.) Delete heated & remote mirrors	Deduct \$ 391
28.) Add reflective	tape sides & rear	Add \$ 321
29.) <u>Camera & Spe</u> 29a.) Standar	ecialty Systems: d 3 head camera system, installed	Add \$ 3,322
29b.) Addition	nal camera head - Each	Add \$ 571
29c.) Delete backup camera/mirror system		Deduct \$ 408

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29d.) EP2 Child check safety system (or) equal (Standard system - Programming not included)	Add \$ 460
29e.) Zonar, Standard system installed	Add \$ 1,872
29f.) Z-Pass & Tablet for Zonar system	Add \$ 1,134
29g.) WiFi router & antenna	Add \$ 1,446
29h.) 12v USB power ports for each passenger	Add \$ 2,226
29i.) 360 Degree camera system, installed	Add \$ 3,820
30.) Lights: 30a.) Delete LED light package: Including	Deduct \$ 259
Stop/Tail, Directional Front/Rear/Sides & Backup lights (Incandescent/Halogen provided)	beduce \$ 239
30b.) Delete LED 8way warning lights & stop arm (Incandescent/Halogen provided)	Deduct \$ 667
30c) Delete LED interior Dome lights (Incandescent provided)	Deduct \$ 515
30d.) Delete Strobe light w/pilot	Deduct \$ 168
30e.) Delete Fog lights in front bumper area	Deduct \$ 332
31.) Stainless steel stepwell upgrade	Add \$ 728
32.) Floor: 32a.) 5/8" treated Plywood	Add \$ 841
32b.) Tan (or) Dark Gray floor rubber 32c.) Stud Step Treads	Add \$ 414 Add \$ 521
33.) Delete full length acoustic headlining	Deduct \$ 741
34.) Side Panels: 34a.) 16 Ga. Ext. side panels w/19 ¾" skirts	Deduct \$ 265
34b.) 20 Ga. Std side panels w/16.25" skirts	Deduct \$ 891
35.) Electric operated entrance door	Deduct \$ 299
36.) Add RH emergency exit & Delete push/out windows	Add \$ 1,064
37.) <u>Luggage Compartments:</u> 37a.) Delete/Add Double Mid-mount luggage compt - Each	Deduct /Add \$ 1,331
37b.) Single Rear overhang compt w/lights - Each	Add \$ 1,416
37c.) Single Mid-mount compt w/lights – Each	Add \$ 1,115

SPECIFICATION		BIDDER'S RESPONSE — MUST COMPLY OR STATE DEVIATIONS IN FULL
38.) <u>Driver's Seat:</u> 38a.) Manual driver's seat in lieu of air controlled		Deduct \$ 351
38b.) Heated air driver's seat	an controlled	Add \$ 159
39.) 3pt Floor Mount Seats:	39a.) 45"	Add Each \$ N/A
Solve Services in Services.	39b.) 39"	Add/Deduct Each \$ 663
,	39c.) 36"	Add Each \$ 728
*Capacity subject to change	39d.) 30"	Add Each \$ 661
capacity subject to change	334., 30	7.00 230.1 \$ 001
40.) 3pt Seats with "Child Restraint" positions:	40a.) 45"	Add Each \$ N/A
	40b.) 39"	Add Each \$ 1,175
	40c.) 36"	Add Each \$ 1,450
*Capacity subject to change.	40d.) 30"	Add Each S 1,069
41.) <u>3pt Track Mount Seats</u> :	41a.) 45"	Add Each \$ N/A
?	41b.) 39"	Add Each \$ 869
	41c.) 36"	Add Each \$ 781
*Capacity subject to change	41d.) 30"	Add Each \$ 734
42.) <u>Fire Block Upholstery</u> : Black, Brown, Burgund Green, or Teal in lieu of st		Add \$ N/C
43.) <u>Barriers:</u> 43a.) Barrier in lieu of	Flip seat	Deduct \$ 660
43b.) Track mounted k	parrier	Add \$ 255
44.) <u>School Activity Bus</u> : *Capacity subject to a 44a.) School Activity seats w/fabric upholstery		Add \$ 1,167 Each
44b.) Interior parcel racks LH & RH full length		Add \$ 5,574
44c.) Add row of dome lights down center aisl	e ceiling	Add \$ 546
44d.) Front & Rear flip visors & flip signs		Add \$ 1,218
44e.) Standard Video DVR & 4 flip down monitor (Not available with interior parcel racks)	ors	Add \$ 8,440
44f.) Delete 8way warning lights & stop arm, paint exterior white for MFSAB Multi-Function School Activity Bus (All other school bus requirements to be included)		Deduct \$ 295

SPECIFICATION	BIDDER'S RESPONSE — MUST COMPLY OR STATE DEVIATIONS IN FULL
45.) Special Needs Equipment: 45a.) Flat floor without rear wheelwells (Requires Rear air suspension provided on bid & requires Option 14c.) Lo-profile tires)	Add \$ 175
45b.) Lift door & Braun W/C lift & pad kit	Add \$ 7,560
45c.) Lift door & Ricon W/C lift & pad kit	Add \$ 8,381
45d.) Wheelchair position, L-Track	Add Each \$ 1,050
45e.) L-Track LH side, full length	Add \$ 5,296
45f.) L-Track RH side, full length	Add \$ 5,296
45g.) Q-Straint Retractable W/C tiedowns	Add Each set \$ 682
45h.) Surelok Retractable W/C tiedowns (*WC Tiedown sets Include Lap & Shoulder belts)	Add Each set \$ 682
46.) Air Conditioning: *Luggage capacity may be affected 46a.) InWall Freeblow skirt mount	Add \$ 10,788
46b.) Ducted skirt mount	Add \$ 14,938
46c.) InWall Freeblow roof mount	Add \$ 12,904
46d.) Ducted roof mount	Add \$ 15,790
46e.) A/C Upgrade Transit style Freeblow roof mount system	Add \$ 20,859
46f.) A/C Upgrade Transit style Ducted roof mount system	Add \$ 24,395
46g.) Compressor upgrade in lieu of standard	Add \$ 3,564
46h.) Dash AC (or) Mid-ship evap Add on – Specify which *All A/C options require 280 amp alternator minimum	Add \$ 1,217
47.) HEPA Air purifying filtration system	Add \$ 3,403
48.) Software: 48a.) Charge management software serviced package for EV to maintain bus charging levels and minimize cost — Each 1 Year Subscription (*A Multiple year subscription for multiple buses may also be purchased — multiply Add \$ cost by # of years required)	Add \$ 4,500 First year / Hardware Included \$ 3,000 Per year / Annual License
48b.) Cummins software, cable & one year subscription	Add \$ 1,326
48c.) Allison software, cable & one year subscription	Add \$ 2,190
48d.) Lap top computer	Add \$ 1,800
48e.) Manual package	Add \$ 690

SPECIFICATION	BIDDER'S RESPONSE — MUST COMPLY OR STATE DEVIATIONS IN FULL
49.) Extended Warranty:	
49a.) 2 year extended limited warranty	Add \$ 961
49b.) 3 year extended limited warranty	Add \$ 1,416
49c.) 5 year extended limited warranty	Add \$ 3,660
49d.) 1 year tow extended limited warranty	Add \$ 1,169
49e.) 2 year tow extended limited warranty	Add \$ 2,049
49f.) 3 year tow extended limited warranty	Add \$ 2,931
49g.) 5 year AC system extended limited warranty	Add \$ Standard AC -\$3,840
49h.) 7 year Cummins diesel extended limited warranty	Transit AC - \$5,900 Add \$ 3,860
49i.) Extended EV model warranty	Add \$ 15,000
50.) <u>Tech training class</u> : 50a.) 4 hour class	Add \$ 800
50b.) 8 hour class	Add \$ 1,200
(*Multiple day classes may also be purchased — multiply Add \$ cost by # of days required)	*50c.) OnLine Module Training available @ no cost
51.) EV Charging Stations:	
51a.) AC Level-2 Charging station with pedestal	Add \$ 4,595
51b.) AC Level-2 Connected charging station with pedestal	Add \$ 6,950
51c.) DC Level-3 Charging station	Add \$ See below
51d.) DC Level-3 Charging station capable of V2G Bi-directional flow	Add \$ See below

51c.) Add \$44,950 - 50 kwh

\$52,950 - 75 kwh

\$62,950 - 100 kwh

\$92,950 - 175 kwh

51d.) Add \$62,950 - 75 kwh

\$72,950 - 100 kwh

\$99,950 - 175 kwh

*Specify which system at time of order.

* Specify which system at time of order.



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



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

Quote #21920 November 3, 2021

2021 (or) Newer Blue Bird T3FE 3909

Customer:

Waterford Unified School District

Mailing

219 N. Reinway Avenue

Address:

Bldg. 2

Waterford, CA 95386

Attn:

Phone:

Email:

Quantity:

1

GVWR:

35,600#

Engine:

B 6.7L 280HP

Fuel Type:

Diesel

Fuel Port:

Standard 84 Amb

Capacity: AC:

N/A

Wheelbase:

232"

Transmission: Allison 2500 PTS/SEM

Suspension:

Brakes:

Spring/Air Air Disc

Upholstery:

Blue

WC Lift:

N/A

Body Content

- EMERGENCY EQUIPMENT CMPT, UPR FRONT
- Double, RHMM, Luggage, 28.40 CU.FT. Total
- Double, LHMM, Luggage, 28.40 CU.FT.
- Locking Battery Compart Door
- Sliding Bolt Vandal Lock Right Emerg
- Sliding Bolt Vandal Lock Side Emerg Door
- Forward Grabrail
- Emerg Door L 28 in
- Mud Flaps Rear
- Rear wheel front flaps
- Mud Flaps w/logo Rear

- Mud Flap Extension Rear
- Rubber Fenders Rear
- Rubber Fenders Front
- Floor 1/2" Plywood
- Floor Plywood Screwed Down
- Acoustic Headlining Full Length
- Lettering Emerg. Door Arrows
- Lights Day Run Lights w/park brake deactive
- 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

- 2 Piece Curved Tinted Wndshld
- 77" Headroom
- Aux. Fan Upper Left 6"
- Aux. Fan Upper Center 6"
- Vent,Advantage,Standard
- Driver's 12k Heater
- 50k Left Rear Floor Heater
- Dome Lights LED
- LED 8 Way Lights Amber/Red
- Warning Flashing Pilot Light Right
- Strobe Light 4ft from Rear
- Clear LED Strobe Light
- Radio W/ PA System
- 8 Speaker Deluxe System w/wiring
- Pre-Wire 2Way Radio Center Dash
- Stop Arm LED Strobe Cluster
- Stop Arm Location Rear
- Backing Safety Horn 112DB
- Rubrails Full Width Black
- Interior Paint Astro White
- Rearview 6X30 Int. Mirror w/monitor
- Remote Ctrl Rearview Mirror
- Heated Mirror Ext 15 Min Timer
- 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
- Cup Holder
- Arm Rest on Driver's Console
- Overhead Storage Locking
- Galvanized Stepwell
- Entrance Door Outward Open Air
- 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 22.75"-23.25"
- Stepwell Light LED, ADA
- 12" S/S Temp Tint P/O Window Black Frame
- Driver Green Lam. Window Black Frame
- Rear Emerg Door Buzzer
- Left Emerg Door Buzzer
- Mid P/O Window Buzzer
- 12" S/S Tint Lam Window Black Frame
- Back-Up Camera
- Roller Tray Battery Compt Chas Mntd
- ALL AMERICAN
- SEAT,39", FLAT,3-PT BELT,CONVERT
- SEAT,39",FLAT,3-PT BELT, FULL FM,CONVERT
- SEAT,39,FLAT,FLIP,3-PT BELT,CONVERT

Chassis Content

- Air Horn Under Floor Mount
- Performace TCM Program Allison Transmission
- Suspension, Air, Rear, Hendrickson, 23.5K
- Exhaust VTG
- Air Disc Brakes
- Bendix AD-IP Air Dryer

- Steel Rear Bumper
- 12" Steel Front Bumper
- Cruise Control
- Hose, Cooling, Silicone, W/Const Torque Clamp
- 280 amp Brushless Alternator
- 3 Group 31 Batteries

- Governor, 65 MPH
- Engine, Cummins, B6.7, DSL, 280HP@660 LB-FT
- Engine Emissions Control, 2021
- Tailpipe Through Bumper
- 100 Gallon Diesel Fuel System Right Fill

- Tire, Cooper, 12R22.5, LRH, RM230 HH
- Front Tow Hooks
- Rear Tow Hooks
- Yellow Steel Wheels 8.25x22.5/5HH
- Electronic Stability Control
- Accessory Pwr Socket w/Cap

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

