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, having carefully read the	at the District forms a contract upon acceptance of this bid. the Notice To Bidders as published on October 14, 2021, and so the hereby proposes to furnish in strict conformity with said		
One or more – Description:	Blue Bird All American Rear Engine		
Capacity:	81 Ambulatory		
Cost (excluding sales tax)	\$ 194,946.57 + 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:	Elfo		
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		

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 Rear Engine School Bus

Capable of supporting the specified 81-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 A**II Applicable FMVSS & current California** standards for school buses in affect at time of manufacture.

YEAR: 2021 (or Newer)

CHASSIS MFR: Blue Bird

MODEL: T3RE

BODY MFR: Blue Bird

MODEL: 3904s

CAPACITY: 81 Ambulatory

VEHICLE DIMENSIONS:

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

Wheelbase shall not exceed 259"

Front overhang (including bumper) 95"

Rear overhang (including bumper) 122"

Overall length (including bumpers) 476"

Overall height 128" maximum

Overall width 96" (excluding mirrors)

Headroom 77" minimum

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

WHEELBASE: 259"

FRONT OH: 95"

REAR OH: 122"

OA LENGTH: 476"

OA HEIGHT: 128"

OA 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

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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. Provide electric air drain valves with controls located in driver's compartment and a Bendix AD-IP air dryer. ESC — Electronic Stability Control shall be included.	COMPLY
BRAKES - EMERGENCY/PARKING: 30 sq. in. spring brake with treadle valve control. Separate instrument panel mounted valve for parking brake application.	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 side below 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

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controls - Engine Compartment: a. Engine start location switch required. Restricts vehicle starting either to driver area or engine compartment depending on switch position. b. Engine start button. c. Engine compartment light switch.	COMPLY
COOLING SYSTEM: The cooling module shall be located on the right side at the rear of the vehicle and shall be an advanced Modine E-fan cooling module utilizing an aluminum tube-fin radiator and provide efficient cooling. The system shall have eight (8) electric, thermostatically controlled cooling fans and will be equipped with an integrated transmission oil cooler. The electric fans will feature a reverse function for self-cleaning the radiator and charge-air cooler. Silicone cooling hoses with constant torque clamps meet SAE J20, Class A Specifications & transmission fluid & Cummins Fleetguard, ES Compleat Coolant; Blue premix 50/50 providing anti-freeze protection to -34°F/-37°C with two year, 150,000 miles or 4000 hr. service intervals shall be provided.	COMPLY
DRIVELINE: Driveshaft with protective guard for shaft positioned toward the front half of the driveshaft. Spicer SPL-140, "lubed for life" driveline components.	COMPLY
ELECTRICAL SYSTEM: Alternator – Leece Neville 12V, 350 amp or equivalent. 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 circuit breakers. Exterior electrical access shall be below driver's window & include an outside latch & keyed lock. Chassis wiring located in engine area behind access cover. Two spare 14 gauge body harness circuits to be provided for future use.	COMPLY

SPECIFICATION	BIDDER'S RESPONSE — MUST COMPLY OR STATE DEVIATIONS IN FULL
ENGINE: Cummins L9 8.9L 300HP/860 Lb-ft. torque diesel engine designed to meet the current U.S. Phase 2 Greenhouse Gas Emissions Standards and Fuel Efficiency Standards set forth by the Environmental Protection Agency (EPA) and California Air Resources Board (CARB). An air inlet manifold heater required to assist cold starting. An engine warning system with tell-tale warning on dash to alert driver of high engine temperature or low oil pressure shall be installed. Low coolant warning required. An electric hi-idle switch & cruise control switch shall be mounted on driver dash. Engine shall use diesel particulate filter (DPF) exhaust aftertreatment, 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: A robust Exhaust Gas Recirculation cooler & valve enhance thermal efficiency and reliability. Single Module™ aftertreatment system, 15 gallon Diesel Exhaust Fluid Tank system meeting the mandated emission standards. Tailpipe to be cut flush with the bottom edge of the rear bumper, above the angle of departure and exit on street side.	COMPLY
FILTERS: Oil filter - Full flow by-pass spin-on. Air filter – Multi-stage filtration. Fuel filter - Spin-on type. Heated fuel/water separator. Coolant filter – Remote mount with 2 shut off isolation valves.	COMPLY
FRAME: Frame shall consist of dual "C" channels of 50,000 PSI steel each with dual insert liners of equal PSI strength, 142" long, centered to the rear axle for maximum stress tolerance. Resulting section modulus required shall be 19.6 Cu. In. and resistance to bending moment shall be 980,000 In. Lb. per rail minimum over area of maximum stress. Sub-Frame shall consist of dual 50,000 PSI "C" channels with flanges turned outward and lowered 6.00" below the main frame to best accommodate the engine and related components.	COMPLY

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Sub frame rails shall be 65" long and overlap the main rail and insert 24" where joining shall be reinforced with dual 3" x 3', ¼" thick angle iron and secured with Grade 8 "Huck-Spin" permanent fasteners. The Section Modulus across the joining shall be 28.96 cu. In./rail, and resistance to bending moment shall be 1,448,000 in. lb./rail. All permanent fixtures on frame shall be attached with hitensile strength "Huck-Spin" fasteners with swaged lock nuts.	COMPLY
FUEL TANK: 100-gallon draw fuel tank located between the chassis frame rails, equipped with sump and brass drain plug. Include locking right side spring loaded fuel filler door and plate in floor to access fuel tank sender. Diesel Exhaust Fluid (DEF) tank capacity shall be 15 U.S. gallons and shall be located RH (curb) side, chassis mounted, inside the engine access door and shall include a non-spring loaded locking fill door marked "DEF". A plate in the floor to access this tank shall also be provided.	COMPLY
HORN: Dual electric with non-glare horn button emblem. Include an under floor air horn with foot control.	COMPLY
 INSTRUMENTS AND GAUGES - DRIVER'S AREA: 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 cluster. f. Oil pressure gauge & Coolant temperature gauges. g. Dual air pressure gauge. h. Low pressure warn 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 mount, arm rest, LH side. 	COMPLY

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INSTRUMENTS AND GAUGES - ENGINE COMPARTMENT: a. Oil pressure gauge. b. Tachometer.	COMPLY
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 rear "Comfort Air" rear air ride suspension.	COMPLY
TIRES: Six (6) Factory Standard 12R 22.5 H - All position radials with highway tread.	COMPLY
TOW HOOKS: Two front & two rear frame mounted tow hooks.	COMPLY
TRANSMISSION: Allison automatic model PTS 3000, six speed with SEM. Provide a touch pad type shifter, which shall be ergonomically located for driver comfort and visibility. Transmission fluid shall be cooled by an integrated oil cooler. Synthetic transmission fluid.	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"X8.25", 10-stud hub pilot disc, single front, dual rear.	COMPLY

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BODY OPTIONS	
ACCESS PANELS: Electrical panel shall have a 27.5" x 21.75" friction hinged door located below the drivers window for access to wiring terminals, fuses, circuit breakers, and body electrical junction. Provide two hinged doors located on both sides front of vehicle providing access to wiper motors, windshield washer fill & power steering reservior. All access panels include keyed locked latches. Provide removable 18" x 22" access panel for top of the engine access at center rear interior davenport.	COMPLY
COMPARTMENTS: Pass through Luggage & two (2) single luggage compartments, totaling approximately 126 cu ft. of under-body storage with gas springs & switch coltrolled lights. Rubber covered compartment floors. Key locks on all doors. 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, 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 gauge exterior side panels shall be one piece from windowsills to bottom of skirt. 25 ¾" Skirts shall be extended. Four protective rub rails at window level, seat level, near floor level & bottom of skirt. 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 sheets not acceptable.	COMPLY

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Colorado Rack Test: 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 emergency tint window with self-contained air spring that holds open. 24.5" x 57.5" clear opening push-out. Left side emergency door with tinted glass, buzzer & pilot light. Include header pad & retainer 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 exterior release.	COMPLY
ENGINE COMPARTMENT: Engine compartment shall be located at rear to permit easy service access. Compartment separating engine area from passengers shall be double wall construction with fiberglass insulation layered in between for isolation of heat and noise. Access to engine shall be provided by an aluminum perforated door top hinged, with gas lift assist cylinders. Hinged 26" x 33" doors on right and left sides, for access to the radiator, air cleaner and other engine related components.	COMPLY
ENTRANCE DOOR: Air operated, outward-opening type with control at driver's right on 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 front & rear interior wheelhousings. Rounded rust proofed galvanized steel cove molding where floor meets wall.	COMPLY

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GLASS: Windshield - AS-1 tinted, non-glare, 2-piece curved safety glass. Side windows - 12" split sash in black frames. AS-3 dark tint side glass 31% light transmitting, tempered safety glass. Pushout windows — one left and one right, tint with buzzers. Rear Glass - AS-3 dark tint 31% light transmittant, tempered safety glass. Driver's Window - AS-2 light tint 70% light transmittant, laminated safety glass. Entrance Door Glass - AS-2 light tint 70% light transmittant, laminated safety glass. Side Emergency Door Glass — AS-3 dark tint 31% light transmittant, tempered safety glass.	COMPLY
 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 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 & rear Amber Directional lights. e. LED front & rear Side directional lights. f. 4" LED back-up lights. g. LED clearance/cluster & marker lights, wired battery hot.	COMPLY

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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.	COMPAN
k. LED Stepwell lights, wired to operate with ID lights with	COMPLY
entrance door open.	, and the second
I. 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.	
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	COMPLY
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	E.
controlled.	
MUD FLAPS:	
Behind front and rear wheels, both sides, extended.	COMPLY
Mud flaps in front of rear wheels shall also be provided.	
Front & Rear rubber fenders to be included.	
PAINT & LETTERING:	
Exterior - Yellow.	
Roof - White.	
Rub Rails - Black.	COMPLY
Wheels - Yellow.	COMPLY
Interior - White.	
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 # & Unit #.	
RADIO:	2
AM/FM/USB MP3 Aux Port/PA installed with a minimum of	COMPLY
eight (8) interior speakers & one (1) exterior speaker.	COMPLI
Include pre-wiring (only) for 2-way radio system (Do not	
include 2-way radio).	

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 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 & holder. h. Noise suppression switch. i. Driver's cup holder. j. Child Check safety system – EP1 (or) Equal. 	COMPLY
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. SP: 30596 T3RE 3904, 81 CAP BP: 5013370 T3RE 3904 259 IB	COMPLY
STEPWELL: Three (3) step galvanized steel entrance. Step treads with white non-abrasive nosing. 3" ribbed white rubber abrasive wear plate located at the floor level step of the entrance door. Maximum riser height shall be 8-1/2". A stainless steel assist grab rail shall be installed at front & rear of stepwell.	COMPLY
UNDERCOATING: Body shall be fully undercoated under floor, skirt panels & wheel wells prior to mounting on chassis.	COMPLY

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VENTILATION: Static non-closing vent installed in forward roof body section. Manual driver's fresh air vent on left by driver's feet. Heater intake on right front below windshield level electronically controlled.	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
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 limited warranty statements: 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. 	*See Attached Manufacturers Standard Warranty Statements

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ADDITIONAL AVAILABLE OPTIONS:		*All options subject to compatibility
1.) Wheelbase/Body Options:	1a.) 273" - 4006 body	Add \$ 668
	1b.) 245" - 3802 body	Deduct \$ 501
	1c.) 217" - 3510 body	Deduct \$ 1,403
*Capacity subject to change.	1d.) 189" - 3306 body	Deduct \$ 2,204
1b.) 245" - 3802 body 1c.) 217" - 3510 body		Add \$ 225,000

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	BIDDER'S RESPONSE –
SPECIFICATION	MUST COMPLY OR STATE DEVIATIONS IN FULL
3.) <u>EV – ELECTRIC OPTIONS:</u> 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.) CNG – COMPRESSED NATURAL GAS: 4a.) Cummins L9 8.9L/280horsepower/900 lb. ft. torque compressed natural gas engine meeting US EPA, CARB, Title 13 and current emission requirements. NFPA 52 approved system with four (15x78) 20 year rated Fuel tank cylinders. Fuel fill locations with fuel door Interlocks, Four compatible luggage compartments with switch controlled lights included.	Add \$ 35,000
4b.) Dual CNG fuel fill locations – Specify Front or Rear *Included with Option 4a.) above.	Add \$ Included in 4a.) above Specify location at time or order
5.) <u>Cummins L9 8.9L Diesel Engines:</u> 5a.) 260 hp/720 lb-ft torque	Deduct \$ 2,894
5b.) 270 hp/800 lb-ft torque	Deduct \$ 1,021

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6.) Cummins B 6.7L Diesel Engi	nes: 6a.) 260 hp/660 lb-ft torque	Deduct \$ 8,433
*	6b.) 280 hp/660 lb-ft torque	Deduct \$ 6,611
2	6c.) 300 hp/660 lb-ft torque	Deduct \$ 5,483
7. Fire Suppression:	7a.) Fog Maker	Add \$ 4,476
90.	7b.) Amerex	Add \$ 5,400
8.) Engine Block heater		Add \$ 188
9.) Allison 3000 PTS/SEM tran	smission with retarder	Add \$ 8,828
10.) Allison 2500 PTS/SEM tra	nsmission	Deduct \$ 4,293
11.) Telma retarder		Add \$ 13,284
12.) Suspension:	12a.) Spring Rear suspension	Deduct \$ 1,023
(*Requires	12b.) Front Air ride suspension rear air suspension as provided on base bid)	Add \$ 836
13.) <u>Tires/Spare Tire:</u>	13a.) Premium Tire Upgrade (6)	Add \$ 2,950
	13b.) 11R Tires (6)	Deduct \$ 665
	13c.) Low-profile Tires (6)	Deduct \$ 659
	13d.) Spare Tire 12R	Add \$ 875
	13e.) Spare Tire 11R	Add \$ 805
	13f.) Spare Tire Low Profile	Add \$ 735
14.) Wheels/Spare Wheel:	14a.) Aluminum wheels (6)	Add \$ 3,195
	14b.) Spare Steel wheel	Add \$ 380
	14c.) Spare Alum wheel	Add \$ 497
15.) Front mounted spare tire carrier		Add \$ 716
16.) On-spot tire chains		Add \$ 4,499
17.) 60-gallon fuel capacity		Deduct \$ 370
18.) Air drum brakes		Deduct \$ 1,968
19.) Adjustable pedals		Add \$ 1,336
20.) Bendix AD-9 air dryer		Add \$ 328

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21.) Manual air drain valves		Deduct \$ 414
22) Replace primary & secondary gauges with 10# gauges		Add \$ 1,102
23.) ATC – Automa	atic Traction Control	Add \$ 588
24.) Delete ESC – E	Electronic Stability Control (Some models)	Deduct \$ 649
25.) Collision Mitig	gation: 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.) Alternators:	27a.) 210 amp alternator	Deduct \$ 113
	27b.) 420 amp alternator	Add \$ 1,453
28.) <u>Heater:</u>	28a.) EPDM heater hoses with CT clamps	Reducts Add \$208
)	28b.) Additional 50K BTU floor mount heater	Add \$749
29.) Mirrors:	29a.) Heated only exterior mirrors	Deduct \$ 81
	29b.) Delete heated & remote mirrors	Deduct \$ 391
30.) Add reflective tape sides & rear		Add \$ 321
31.) <u>Camera & Spe</u>		
31a.) Standar	d 3 head camera system, installed	Add \$ 3,322
31b.) Additior	nal camera head - Each	Add \$ 571
31c.) Delete b	ackup camera/mirror system	Deduct \$ 408
31d.) EP2 Child check safety system (or) equal (Standard system-Programming not included)		Add \$ 460
31e.) Zonar, Standard system installed		Add \$ 1,872
31f.) Z-Pass & Tablet for Zonar system		Add \$ 1,134
31g.) WiFi router & antenna		Add \$ 1,446
31h.) 12v USB power ports for each passenger		Add \$ 2,226
31i.) 360 Degree camera system, installed		Add \$ 3,820

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32.) <u>Lights:</u> 33	32a.) Delete LED light package: Including Stop/Tail, Directional Front/Rear/Sides & Backup lights (Incandescent/Halogen provided)		Deduct \$ 259
32	2b.) Delete LED 8way warning lig (Incandescent/Halogen p		Deduct \$ 667
32c.) Delete LED interior Dome lights (Incandescent provided)		ghts	Deduct \$ 515
3	2d.) Delete Strobe light w/pilot		Deduct \$ 168
32e.) Delete Fog lights in front bumper area		umper area	Deduct \$ 332
33.) Stainless steel stepwell upgrade			Add \$ 728
34.) <u>Floor:</u>	34a.) 5/8" treated ply	wood	Add \$ 841
	34b.) Tan (or) Dark Gr 34c.) Stud Step Tread	ay floor rubber	Add \$ 414 Add \$ 521
35.) Delete full length acoustic headlining			Deduct \$ 741
36.) Electric entrance door control		Deduct \$ 299	
37.) Add RH emergency exit & Delete push/out windows		Add \$ 1,064	
38.) <u>Luggage:</u> 38a.) Delete passthru luggage compartment		e compartment	Deduct \$4,758
	38b.) Delete single luggage co	ompartment	Each Deduct \$ 836
38c.) Add Double luggage compartment		Each Add \$ 2,179	
39.) <u>Driver's Seat:</u> 39a.) Manual driver's seats ILO air controlled		O air controlled	Deduct \$ 351
	39b.) Heated air driver's seat		Add \$ 159
40.) 3pt Floor M	ount Seats:	40a.) 45"	Add Each \$ N/A
		40b.) 39"	Add/Deduct Each \$ 663
		40c.) 36"	Add Each \$ 728
*Capacity subjec	t to change.	40d.) 30"	Add Each \$ 661
41.) 3pt Seats w	ith "Child Restraint" positions:	41a.) 45"	Add Each \$ N/A
		41b.) 39"	Add Each \$ 1,175
		41c.) 36"	Add Each \$ 1,450
*Capacity subje	ct to change.	41d.) 30"	Add Each \$ 1,069

SPECIFICATION	BIDDER'S RESPONSE — MUST COMPLY OR STATE DEVIATIONS IN FULL
42.) 3pt Track Mount Seats: 42a.) 45"	Add Each \$ N/A
42b.) 39"	Add Each \$ 869
42c.) 36"	Add Each \$ 781
*Capacity subject to change. 42d.) 30"	Add Each \$ 734
43.) <u>Fire Block Upholstery</u> : Black, Brown, Burgundy, Gray, Green, or Teal in lieu of standard Blue	Add \$ N/C
44.) <u>Barriers:</u> 44a.) Barrier in lieu of Flip	Seat Deduct \$ 660
*Capacity subject to change. 44b.) Track mounted barri	er Add \$ 255
45.) School Activity Bus: *Capacity subject to change. 45a.) School Activity seats w/fabric upholstery & 3pt b	elts Add \$ 1,167 Each
45b.) Interior parcel racks LH & RH full length	Add \$ 5,574
45c.) Add row of dome lights down center aisle ceiling	Add \$ 546
45d.) Front & Rear flip visors & flip signs	Add \$ 1,218
45e.) Standard Video DVR & 4 flip down monitors (Not available with interior parcel racks)	Add \$ 8,440
45f.) Delete 8 way warning lights & stop arm, paint exterior white for MFSAB Multi Function School Activity Bus (All other school bus requirements to be incl	Deduct \$ 295
46.) Special Needs Equipment: *Capacity subject to change 46a.) Lift door & Braun W/C lift & pad kit	Add \$ 7,560
46b.) Lift door & Ricon W/C lift & pad kit	Add \$ 8,381
46c.) Wheelchair position, L-Track	Add Each \$ 1,050
46d.) Q-Straint Retractable W/C tiedowns	Add Each set \$ 682
46e.) Surelok Retractable W/C tiedowns (*WC Tiedown sets Include Lap & Shoulder belts)	Add Each set \$ 682
47.) Air Conditioning: *Luggage capacity may be affected 47a.) InWall Freeblow skirt mount	Add \$ 10,788
47b.) Ducted skirt mount	Add \$ 14,938
47c.) InWall Freeblow roof mount	Add \$ 12,904
47d.) Ducted roof mount	Add \$ 15,790

October 2022

SPECIFICATION	BIDDER'S RESPONSE — MUST COMPLY OR STATE DEVIATIONS IN FULL
47e.) A/C upgrade Transit style Freeblow roof mount system	Add \$ 20,859
47f.) A/C upgrade Transit style Ducted roof mount system	Add \$ 24,395
47g.) Compressor upgrade in lieu of standard	Add \$ 3,564
47h.) Dash A/C (or) Mid-ship evap Add on – Specify which *All A/C options require 350 amp alternator minimum	Add \$ 1,217
48.) HEPA Air purifying filtration system	Add \$ 3,403
49.) Software: 49a.) Charge management software service 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
49b.) Cummins software, cable & one year subscription	Add \$ 1,326
49c.) Allison software, cable & one year subscription	Add \$ 2,190
49d.) Lap top computer	Add \$ 1,800
49e.) Manual package	Add \$ 690
50.) Extended Warranty: 50a.) 2 year extended limited warranty	Add \$ 961
50b.) 3 year extended limited warranty	Add \$ 1,416
50c.) 5 year extended limited warranty	Add \$ 3,660
50d.) 1 year tow extended limited warranty	Add \$ 1,169
50e.) 2 year tow extended limited warranty	Add \$ 2,049
50f.) 3 year tow extended limited warranty	Add \$ 2,931
50g.) 5 year AC system extended limited warranty	Add \$ Standard AC - \$3,840 Transit AC - \$5,900
50h.) 7 year Cummins diesel extended limited warranty	Add \$ 3,860
50i.) Extended EV model warranty	Add \$ 15,000
51.) <u>Tech training class</u> : 51a.) 4 hour class	Add \$ 800
51b.) 8 hour class	Add \$1,200
(*Multiple day classes may also be purchased — multiply Add \$ cost by # of days required)	*51c.) OnLine Module Training available @ no cost

October 2022

SPECIFICATION	BIDDER'S RESPONSE — MUST COMPLY OR STATE DEVIATIONS IN FULL
52.) EV Charging Stations:	
52a.) AC Level-2 Charging station with pedestal	Add \$ 4,595
52b.) AC Level-2 Connected charging station with pedestal	Add \$ 6,950
52c.) DC Level-3 Charging station	Add \$ See below
52d.) DC Level-3 Charging station capable of V2G Bi-directional flow	Add \$ See below

52c.) Add \$44,950 - 50 kwh

\$52,950 - 75 kwh

\$62,950 - 100 kwh

\$92,950 - 175 kwh

52d.) 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 #21919

November 3, 2021

2021 (or) Newer Blue Bird T3RE 3904

Customer:

Waterford Unified School District

Mailing

219 N. Reinway Avenue

Address:

Bldg. 2

Waterford, CA 95386

Attn:

Phone:

Email:

Quantity:

1

GVWR:

37,600#

Engine:

L9 300HP

Fuel Type:

Diesel

Fuel Port:

Standard

Capacity:

81 Amb

AC:

N/A

Wheelbase:

259"

Transmission: Allison 3000PTS/SEM

Suspension:

Brakes:

Spring/Air Air Disc

Upholstery:

Blue

WC Lift:

N/A

Body Content

- Emerg Equip Compart Front Overhead
- Luggage Single Right Side Mid-Mount Compt 16 cubic feet
- Locking Battery Compart Door
- Vandal Lock Rear Emerg Win
- Sliding Bolt Vandal Lock Side Emerg Door
- Forward Grabrail
- Emergency Door Left 28 inch
- 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
- Yellow Entrance Door
- Paint NSB Yellow Exterior
- Black Blue Bird Logo
- Paint Bright White Roof 12.5"
- Driver 3pt belt Black
- Visor Left Arcylic Adjust., Opaque
- 2 Piece Curved Tinted Wndshld
- 77" Headroom
- Air Horn Mounted Under Floor
- 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
- Barrier Blue Fire Block
- Seat,39", Flat,3-PT Belt,Convert

- Seat,39",Flat,3-PT Belt, Full FM,Convert
- Seat,39",Flat,3-PT Belt, Davenport
- Seat,39,Flat,Flip,3-PT Belt,Convert
- Cup Holder
- Arm Rest 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 Emergency Window
- Black Rubber Floor
- Vinyl Ribbed Steptread
- Vinyl Black Steptread
- Ent. Door Barrier Handrail 3.25"-5.25"
- Stepwell Light LED, ADA
- Dark Tint Temp Rear Emerg Window
- 12" S/S Temp Tint P/O Window Black Frame
- Driver Green Lam. Window Black Frame
- Rear Emerg Window Buzzer
- Left Emerg Door Buzzer
- Mid P/O Window Buzzer
- 12" S/S Tint Lam Window Black Frame
- Warranty, Bronze 2/10
- Back-Up Camera
- Delete Roof Hatch Buzzer
- Roller Tray Battery Compt Chas Mntd
- All American Rear Engine, 259" Wheelbase

Chassis Content

- Accessory Pwr Socket w/Cap
- Performace TCM Program Allison Transmission
- Air Disc Brakes
- Bendix AD-IP Air Dryer
- Steel Rear Bumper
- 12" Steel Front Bumper
- Cruise Control

- 350 amp alternator
- 3 Group 31 Batteries
- Governor, 65 MPH
- Engine Emissions Control, 2021
- Cooper 12R22.5 LRH, RM230 HH 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: 205957 Body Plan: 5013370 Push Out Out Out Out Seat Plan: 30596 SP: 30596 T3RE 3904, 81 CRP

Seat Plan Spacing Chart

Quote Id: 205957