Supplier Specification Deviation Documentation

I certify on that the deviations to the specifications submitted below are "brand name, equivalent or equal" in performance. Prior to the award phase, state has the right to ask the bidder for documentation that confirms the deviation is "brand name, equivalent or equal" in performance.

Company Name: Creative Bus Sales

Bidder Signature: 

Company Name:

Printed Bidder Name: Marcus Hoffman

Date: 2/5/18

Specification Number:

RFQ Number: 99999-SPD-SPD-0000152	**RFQ Title:** 2017 Georgia Supplemental Mass Transit
Requesting State Entity: State Purchasing Division, DOAS	**Date**:
Issuing Officer: Billy Gilbert	**RFQ Initially Posted to Internet:** 12/14/2017
Email Address: billy.gilbert@doas.ga.gov	

Section	Page	Specification	Deviation/Equivalent	DOAS Comments
1.5 Overall Requirements	22	List of all systems, subsystems, and components shall accompany each bus either on paper, CD or DVD. This shall include an OEM to vendor cross-reference list.	ENC does not provide and OEM to vendor cross-reference list of systems, subsystems and components at delivery.	
1.7 Water Test Description	23	2. The nozzles shall eject a volume of water no less than 2.6 gallons per minute per nozzle under a pressure of no less than 22 lbs per minute.	ENC utilizes two types of nozzles . . . a fan type nozzle with a flow rate of 2.1 gallons per minute for pointing down along the roof line and a cone type nozzle with a flow rate of 2.0 gallons per minute for all other locations. All nozzles operate under a pressure range of 18-20 psi measured at the nozzle tip.	
1.7 Water Test Description	23	4. Bus road testing shall be conducted immediately after the water test.	ENC performs the water test after road testing on city streets and following twenty circuits through our on-site simulated Altoona test track cells. Once the bus is water-tested and checked for any	

			leaks and water intrusion within the booth, the bus is removed from the test booth and driven in the back lot on the property making a total of six (6) 360 degree turns (3 to the left and 3 to the right) with sudden stops after each series of turns and rechecked for leaks after each stop.	
1.12 Maintenance and Inspection	24	It shall not be necessary to disassemble portions of the coach structure and/or equipment such as seats and flooring under seats in order to gain access to these areas.	ENC provides access to the engine/transmission under the last set of seats in the buses. The center three seats are removed completely to negate the danger of the seats falling onto maintenance staff.	
4.5 Acceleration	35/36	Table 3 - 30 mph within 18 seconds; 40 mph within 30 seconds.	ENC reaches 30 mph within 21.5 seconds and 40 mph within 32 seconds.	
4.9 Operating Range – Diesel	37	The operating range of the coach when run on the Altoona Test cycle shall be at least 350 mi (560 km) or 20 hrs with full fuel capacity.	ENC achieves an operating range of approximately 292 miles with full fuel capacity.	
6.20 Engine Cooling	46	A spring loaded, push-button type valve or lever shall be provided to safely release pressure or vacuum in the cooling system . . .	ENC provides a non-hinged positive lock type radiator filler cap mounted on the surge tank which, is integral with the engine coolant recovery tank system that utilizes a screw-on cap for checking the engine coolant level. Please note that the proposed engine coolant recovery system meets the Cummins recommended design for EPA 2013 engines and beyond.	
6.40 Service	50	Engine oil and the radiator filler caps shall be hinged to the filler neck and closed with spring pressure or positive locks to prevent leakage.	ENC provides a twist on/off engine and radiator filler caps which, are designed to provide a positive lock which prevents leakage. Each cap is securely tethered to each fill neck assembly to prevent loss or misplacement of the caps while filling.	
11.1 Floor Design (Transit Coach)	65	Exit doors shall have a lateral slope not exceeding 2 degrees to allow for drainage;	There is a discrepancy in the specification. Section 3.9 allows for a lateral slope of up to 4 degrees locally at the doors and this section states it shall not exceed 2 degrees. ENC meets the 2 degrees on our Axess product (lines 2-5 and 2-8) and we meet the 4 degrees on our E-Z Rider product (lines 2-8, 2-11, 2-16 and 2-18). The 4 degrees is a critical design element for our E-Z Rider product line that provides for superior moisture drainage performance and cannot be changed.	
14.10 Steering Wheel Telescopic Adjustment	76	At Maximum Telescopic Height Adjustment (5 in.); all maximum height requirements	ENC provides a steering wheel where the maximum telescopic adjustment is 2.5 inches on all angles of slope. This is a critical supplier issue, which cannot be modified.	
15.6 Disc Brakes	78	The bus shall be equipped with disc brakes on all axles,	The Axess 40’ and 35’ (Lines 2-5 and 2-8) will be provided with disc brakes. The E-Z Rider 35’ and 32’ (Lines 2-8 and 2-11, 2-16 and 2-18) will be provided with drum brakes.	

17.3 Environ-mental & Mounting	87	The windshield wiper and headlamps electric circuit shall be protected by modified auto-reset circuit breakers	ENC utilizes manual breakers that are sized for the load.	
22.5 TABE 6	99 - 106	TABLE 6 Transit Bus Instruments and Alarms	ENC wishes to clarify that not all items specified in Table 6 will be required on every order. Each transit agency will determine which of the optional items they require on their order and placement issues will be resolved in pre-production meetings.	
24.1 Exterior Mirror	112	Exterior Mirror section shall be deviated in its entirety except optional 3" convex mirrors.	ENC will provide SafeFleet exterior mirrors that are fully adjustable 15" x 8", two part mirrors. The upper section utilizes an 8 1/2" section of flat glass. The lower section is 5 1/2" convex adjustable diminishing glass. The mirrors installed with quick mount disconnects and are supported by rigid adjustable black power-coated arms. Please note that the proposed mirrors have been designed specifically for our bus and thus, are an integral part of the overall design. There are no commercial alternatives to the proposed exterior mirrors.	
25.4 Driver's Side Window	113	requiring only the rear half of sash to latch upon closing,	ENC will provide a driver's side window where the front half slides and latches. The front latching window allows the driver to access the exterior rear view mirror from his seat.	
26.1 HVAC Capacity & Performance	118	TKX430 Compressor with Reliance Brushless Motors	Thermo King does not provide Reliance brushless Motors. They provide Thermo King brushless motors.	
26.1 HVAC Capacity & Performance	119	During the cool down period the refrigerant pressure shall not exceed 300 PSI . . .	Thermo King states that if R407C is chosen the discharge will exceed 300 PSI.	
26.1 HVAC Capacity & Performance	121	Self-sealing couplings shall be used to break and seal the refrigerant lines during removal of major components such as the refrigerant compressor or condenser.	Thermo King states that the condenser is brazed to the copper lines.	
26.1 HVAC Capacity & Performance	121	High and low pressure switches shall be mounted on Schrader valves for easy replacement.	Thermo King states that the use of Schrader valves is not recommended and not currently utilized by Thermo King.	
27.6 Easily Replaceable Lower Side Body Panels	127	The lower section *(approximately 17.5 in.)* of the side body panels (low-floor buses) or skirt panels (highfloor buses) shall be made of impact-resistant material and shall be easily and quickly replaceable NOTE: 36 3/8	ENC will provide sidewalls that are fabricated of noncorrosive composite sheeting with a minimum thickness of .155" from window line down to the bottom of the sidewall. An aluminum extrusion will be utilized directly below the window line to attach the composite lower sidewall panel. The lower skirts are to be easily removable for ease of servicing.	
27.11 Service Compartments and Access Doors	129	An engine oil pressure gauge and coolant temperature gauge with drag needle shall be provided in the engine compartment. . . Electronic	ENC will provide a vehicle where the engine oil pressure and water temperature are displayed on an electronic Ametek, C-Com gauge in the rear run box. Mechanical gauges are no longer offered on our current generation powertrain packages.	

		gauges shall be listed as an option and priced separately.	Additionally, the Ametek multi-function gauge offers significantly more information than the old mechanical gauges supplied. Therefore, the electronic gauge will be offered in our base pricing.	
31.14 Mobile Radio System	162	A system known to meet Georgia's minimum requirements is the Ericsson Package #350A1977 . . .option for Motorola XLT2500 . . .Motorola XLT5000, and the Harris radio shall be included and priced	ENC was unable to obtain a quote for the Ericsson Package or the Harris radio. The Motorola radios listed are no longer offered. Therefore, base pricing includes the Motorola XPR2500 and optional pricing is provided on two other Motorola products.	

- Insert more rows as needed