



311 South East Street  
Kingsland, GA 31548

Telephone: (912) 729-5687

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Dr. Tracolya Green, Superintendent

MEMORANDUM

TO: School Bus Sales Representatives

FR: Mike White – Director of Transportation

DATE: August 16<sup>th</sup>, 2023

RE: Request for Proposals

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Request for Proposals

Proposals for new SCHOOL BUSES will be received by the Camden County Board of Education until 1:00 p.m. EST Friday, Sept. 15th. The school bus body and chassis construction shall be in accordance with the attached specifications of the Camden County Board of Education. Envelopes containing proposals should so indicate on the outside of same and should be mailed by “special delivery” or hand delivered. There is no commitment to purchase a specific number of buses; budgetary constraints will dictate the number purchased. Buses will be purchased using state bond funds and ESPLOST funds. Bids should be submitted to the Camden County Schools at 311 S. East Street, Kingsland, GA 31548. Proposals not received by 1:00 p.m. EST Friday, Sept. 15th, 2023 will be disqualified. Buses will be purchased using state bond funds and ESPLOST funds.

The superintendent or designee reserves the right to reject any or all proposals and to waive technicalities and informalities. Any questions should be directed to Mr. Mike White at (912) 729-8374.

Call if you have questions (912) 729-8374 or email at [mwhite@camden.k12.ga.us](mailto:mwhite@camden.k12.ga.us)

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Board Members:

Jonathon Blount, Chairman • Jimmy Coffel, Vice-Chairman  
Jason Chance • Mark Giddens • Allison Murray

# Camden County School System School Bus Specifications

2023-2024

29-Jun-22

48 Passenger, Type C Spec. Ed. Buses

The undersigned agrees to furnish new, complete 2022 model, 48 passenger with lift, conventional school buses delivered as specified herein. The bid prices quoted are for destination address; 75 Paw Print Trail, Kingsland, Ga. 31548 and cover all delivery fees. The undersigned further affirms that all buses meet or exceed all Federal and State of Georgia specifications, standards and requirements for school buses. Bus must be inspected upon delivery.

**BIDDER SHALL:**

1. Attach full list of Chassis/Body equipment with the appropriate bid.
2. Complete the equipment information (brand, model, etc.) in the right-hand column below.
3. **Please Note: Any deviation from the listed bus specifications please note comparable equipment in the right column.**

<b>QUANTITY:</b>	
TYPE: C Conventional School Bus	
Chassis Model and Manufacturing location	
Body Model and Manufacturing Location	
Manufacturer Standard Warranty (Whole Bus)	
Vendor Responsible for Engine Warranty	
Vendor Responsible for Transmission Warranty	
Vendor Responsible for Body & Chassis Warranty	
Delivery date	
Buses shall be delivered with video cameras installed and operational	
Add on items priced individually separate from bus bid price	
Attach a diagram of bus interior seating	
Bus as specified bid price	

<b>WARRANTY BODY AND CHASSIS</b>	The current school bus factory representative is responsible for the resolution of all warranty claims during the warranty period of the complete school bus. School bus suppliers will list in their bid proposal the local vendor that will be responsible for the warranty claims on the unit that they represent, with the exception of Allison Transmissions. School bus representatives will not list multiple engine, chassis, and body repair facilities. Each representative will list a facility that will be responsible for the "entire" complete school bus and the closest Allison Transmission service facility. In the event there is a recall or field fix which involves all units, the Camden County School System reserves the right to require the warranty work to be performed at our location. <b>Additional Requirements:</b> Bidder must include a 5-year/150,000 mile towing warranty up to \$550 per incident along with their bid for towing charges to be covered during the vehicle warranty period. List additional A/C warranty options	
<b>CUMMINS ENGINE WARRANTY</b>	List additional Cummins Engine warranty options that may be available.	
<b>ADD ON ITEMS PRICED INDIVIDUALLY SEPARATE FROM BUS BID PRICE</b>		
<b>SUBMITTED BY</b>		
<b>TOTAL COST</b>		

**NO PRICE INFORMATION BELOW THIS LINE**

**CHASSIS REQUIREMENTS**

	ITEM DESCRIPTION	ADDED SPECIFICATION	Yes / No, If no please explain or give deviation.
1	MODEL YEAR	Units must be 2023 model units or newer	
2	CHASSIS DIMENSIONS	List wheelbase dimensions	
3	BODY DIMENSIONS	List overall unit length	
4	ALTERNATOR	Minimum 240 Amp (List Manufacture)	
5	AXLE WEIGHT AND SPRINGS FRONT	Minimum 10,000 lbs axle rating	
6	AXLE AND SPRINGS WEIGHT REAR	Minimum 19,800 lbs axle with 21,000 lb air ride	
7	AXLE RATIO	4.88 axle ratio with maximum road speed of 70 mph.	
8	BATTERY	3 group 31 batteries minimum 1950 CCA, minimum 2/0 cable and roll out battery box and battery disconnect switch.	
9	BRAKES	Full Air Drum Brakes 15" x 4" front and 16.5" x 7" rear with Traction and Stability Control	
10		Hub Piloted 8.25" disc wheels	
11		MERITOR- S-Cam Air Brakes with four channel ABS. Air Lines must be color coordinated with quick disconnect fittings .	
12		Automatic slack adjusters	
13			

14		Oil lubed front wheel bearings	
15		Bendix heated AD-9 air dryer with heater	
16	<b>PARKING BRAKE</b>	Driveline parking brake must have a spring-loaded chamber mounted on the differential that applies the parking brake when activated by the parking brake switch mounted on the instrument panel.	
17	<b>BRAKE FAILURE WARNING SYSTEM</b>	To reveal when low brake air pressure by indicating to the driver by a light and a buzzer.	
18	<b>AIR COMPRESSOR</b>	Minimum 18.7 cfm air compressor	
19	<b>LOW COOLANT INDICATOR</b>	Low coolant level indicator to have a audible alarm	
20	<b>TOW HOOKS</b>	Mounted on front and rear of the bus	
21	<b>ENGINE</b>	Cummins ISB 240 HP Inline 6 cylinder engine. Engine shall include a minimum 5yr/150,000 mile engine warranty covering injectors, turbo, and sensors. Engine shall also include an integrated exhaust brake provided by Cummins and warrantied by Cummins.	
22		Warranty on engine must be performed by the selling dealer either on site, helping to eliminate the multiple locations required for warranty.	
23		Warranty coverages and information to be submitted to Camden County Schools at time of bid.	
24	<b>ENGINE INSULATION</b>	Required under engine hood on firewall	
25		Oil pan must be equipped with a magnetic drain plug.	
26	<b>ENGINE SHUTDOWN SYSTEM</b>	Engine Shutdown System to protect the engine from overheating, low oil pressure, and low oil level with warning lights and buzzers	
27	<b>FAN CLUTCH</b>	Viscous Type Borg-Warner Viscous or Equivalent	
28	<b>HORSEPOWER</b>	Minimum 240 horsepower	
29	<b>EXHAUST SYSTEM: Stainless Steel From Turbo to muffler required</b>	State type of material - stainless steel, other non-corrosive, or standard materials.	
30		Exhaust must include a temperature mitigation device to cool exhaust	
31		Installed Diesel Particulate Filter to meet 2010 Federal requirements	
32	<b>ENGINE WARRANTY</b>	Engine must have a minimum 10yr/200,000 mile Engine Warranty (See coverage requirements above)	
33	<b>FUEL TANK</b>	Fuel tank size. List largest available.	
34		Fuel tank must be mounted between frame rails. With RH Fill	
35		Fuel tank mounted in safety cage.	
36	<b>INSTRUMENT AND GAUGES</b>	Speedometer, odometer with 7-digits, trip odometer, tachometer, oil pressure, fuel level, coolant temp , volt meter, transmission temp and DEF level, dash mounted clock, throttle hand control to include cruise control electronic	
37		Warning lights and buzzers for oil pressure, water temperature, and low oil level	
38		Dual air pressure gauges, required	
39	<b>SERVICE AND PARTS MANUAL</b>	Online versions	
40	<b>LINE TICKET</b>	Supply a manufacture computer printout identifying components to be supplied to Rebuild Specifications	
41	<b>TIRES</b>	11R22.5 16 ply radial tires with highway tread, Continental or Bridgestone.	
42	<b>TRANSMISSION</b>	Allison 2500PTS Generation 5 with 5 Year extended warranty.	
43		Transmission filled with "Transynd" Synthetic Transmission fluid	
44	<b>COOLING SYSTEM</b>	Radiator is to be a 2 row, cross flow, over-under system, a minimum of 717 sq. inches with a minimum 313 sq. inch charge air cooler. Radiator core must be 4.25 inches with in tank transmission cooler.	
45		Cooling System must include Shell Long Life or equivalent coolant with freeze protection to -40.	
46	<b>CHARGE AIR COOLER AND RADIATOR</b>	Must be in tandem	

## BODY REQUIREMENTS

47	<b>PASSENGER ADVISORY SYSTEM</b>	Each bus body must be equipped with the Child Reminder System (CRS) with automatic arming feature. Must meet GA spec.	
48	<b>PAINT</b>	White Roof	
49		All paint, interior and exterior, must be lead free, high bake enamel, thermo setting acrylic enamel, catalytic acrylic, or 2 part polyurethane enamel	
50		Prior to application of paint to the bus body, all surfaces must be cleaned of grease, foreign matter, excessive body caulking and sealing material. Then the bus body must be treated as per paint manufacturer's recommendation for proper paint adhesion.	
51		The bus body paint must meet the National Standards for color and must have a finish gloss rating of at least 90 at 60 degrees and an average distinctness of image rating at least 60. Topcoat shall be applied for a total dry film thickness of at least 2.2 mils over all painted surfaces.	

52		The exterior paint finish coats must be warranted for a minimum of 60 months (100% parts and labor) for adhesion, color retention and gloss retention. Acceptable variations from original paint finish are as follows:	
53		Adhesion - paint and priming compounds must not fail to adhere to the bus body with normal use and care	
54		Color Retention - during the first 36 months from the in service date, the color must not shift colors more than four (4) Delta E from centroid of the National Specifications. During the 60 month warranty period, the color must not shift more than eight (8) Delta E from centroid of the National Specifications.	
55		Gloss - during the first 26 months from the in-service date, the gloss reading must not fall below 68 at 60 degrees. During the 60 month warranty period, the gloss reading must not drop below 45 at 60 degrees. All measurement shall be the average of twelve readings taken at various points on the bus body, but no reading will be more than three points under the stated minimum and will be taken after the bus has been thoroughly washed to remove road film, dust, and dirt.	
56	<b>BODY WARRANTY</b>	Unit shall include 3yr/50,000 mile Bumper to Bumper Warranty please include copy of coverage with bid submission	
57	<b>CROSSING GATE</b>	Air operated with yellow blade	
58	<b>DRIVER'S SEAT</b>	A Type 2 lap belt/shoulder harness tether strap seat belt with adjustable D-loop	
59		Blaze orange seat belt	
60		High back version with blue cloth upholstery and seat cushion tilt.	
61		National Air Seat with air up and down/lumbar control	
62		Modesty panel behind drivers seat located on the barrier in front of the first bus seat.	
63	<b>STEPWELL</b>	Corrosion resistant step well with undercoating welded or riveted. Step tread shall be slip resistant with pebble tread.	
64	<b>ENTRANCE DOOR</b>	Air service door with emergency opening capabilities.	
65		Vandal key locked entrance door. Keyed alike vandal locks	
66		Outward opening door.	
67	<b>WINDSHIELD</b>	Windshield shall be tinted and shaded.	
68	<b>DRIVER'S WINDOW</b>	Two-piece sliding, sash type	
69	<b>GLASS</b>	All glass to be tinted to permit 28% light transmission	
70	<b>FLOORS</b>	Floor shall be steel construction with black floor covering and rubber trim.	
71	<b>SUB- FLOOR</b>	Marine grade plywood sub-floor, 5/8"	
72	<b>HEADROOM</b>	Minimum interior headroom 78" with 12 upper sash openings with driver noise package (floor, firewall, & full length perforated ceiling panels to be installed at body plant).	
73	<b>HVAC</b>	Rear water heater pump with metallic housing required	
74	<b>CIRCULATION FAN</b>	1 mounted upper left	
75	<b>HEATER SYSTEM</b>	Access panel from inside or outside for heater core or coil mounting, and valves, and heater core of coil connections.	
76		Right side, front defroster auxiliary heater system, with blower motor, with ball valve style shut off valves	
77		High-Miler EPMD heater hoses	
78		50,000 Btu rear heater	
79		Ball valve shutoffs	
80		Constant Torque Clamps	
81	<b>AIR CONDITIONING</b>	Bus shall be equipped with a minimum 120k BTU flush mounted evaporators in front and rear bulkheads. A/C installer to provide 5 year on-site warranty support. List additional AC options and AC warranty options if available.	
82	<b>NUMBER OF BLOWERS</b>	2 (1 front and 1 rear)	
83	<b>EXTERIOR LIGHTS</b>	Exterior lights (stop, tail, turn, side directional, marker, back-up, and tag lights) to meet GA State Specifications Lights shall be LED with 5yr warranty. Add two additional LED reverse lights to be skirt mounted behind rear wheels.	
84	<b>HEAD LIGHTS</b>	Daytime running lights wired to the ignition to illuminate when the ignition is turned on. Allows the vehicle to operate in a "Lights On" condition at all times without driver input. Headlights to be equipped with wig-wag operation to operate with 8-way warning lights	
85	<b>EIGHT WAY WARNING LIGHTS</b>	Eight way warning lights to be strobing LED lights in amber and red. Lights are to have a 5yr warranty	
86	<b>DOME LIGHTS</b>	Driver's deluxe dome light with individual switch. Should be wired hot to operate without use of ignition switch. All interior lights to be LED type.	
87		Dome light at back door - separate switch	
88	<b>ROOF MOUNTED STROBE LIGHT</b>	The roof-mounted strobe light shall be wired so that it is activated by the manual 8-lamp flasher light switch and deactivated when the entrance door is closed and the red lights go off.	
89		Strobe light must also operate on an auxiliary switch that the operator can turn on in fog or at night without activating the 8-light warning systems.	
90		Strobe light to have a guard to prevent against damage	
91	<b>PRE-TRIP SWITCH</b>	Bus body electrical must be configured to when a pre-trip switch is activated, all of the exterior lights will illuminate so that the driver will be able to check the lights for proper operation. Once the bus is started, the switch will be deactivated and the lights will perform as they were intended.	
92	<b>EMERGENCY EXITS</b>	List manufacture	

93	<b>EMERGENCY DOOR</b>	Emergency door: rear door lock with ignition circuit interrupter	
94	<b>RELECTIVE TAPE</b>	Required on all sides, front and rear of bus all tape to be 3M Diamond Grade Yellow Fluorescent striping	
95	<b>INTERIOR MIRROR</b>	Large, non glare interior rearview mirror. 6" X 30" preferred.	
96	<b>EXTERIOR MIRRORS</b>	Rosco Open View ES Heated Remote Exterior Mirrors	
97		High Definition Heated Crossover mirror system	
98	<b>UPHOLSTERY COLOR</b>	Upholstery to be blue	
99	<b>SEATBELTS</b>	39" Seat size, Seatbelt ready seats	
100	<b>INTERGRATED CHILD SEATS</b>	Four double integrated child restraint seats (two double seats to go behind driver and the other two double seats to go front door side).	
101	<b>STEERING</b>	Tilt steering column	
102	<b>STOP ARM</b>	Air operated stop arm with high intensity LED lights located at driver side FRONT	
103	<b>WIPERS</b>	5 Intermittent wiper speed modes	
103	<b>OVERHEAD COMPARTMENT</b>	Overhead compartment placed above driver's head over driverside window with locking latches.	

## ACCESSORIES

104	<b>DIGITAL CAMERA</b>	24/7 Zeus Camera system with 4 new style 360 degree cameras to be installed front, mid, extreme rear facing forward, and one forward facing dash mounted camera. Hard Drives to be 24/7 Hybrid drives. Installation provider must be approved by Camden County Schools. To be mounted in dash. Include roof mounted wifi antennae, GPS antennae, and mini tracks software. Unit should be configured and ready to connect to Touchdown system. Add one additional hybrid drive per bus.	
105	<b>RADIO</b>	AM/FM PA system with 6 deluxe speakers.	
106	<b>MOBILE RADIO</b>	2 channel mobile radio Motorola XPR5550 Narrow Band with Digital Display provided by Hastys Communications. To be mounted in dash.	
107	<b>HEADLINER</b>	Perforated acoustical ceiling headliner. Minimum first two panels	
108	<b>NOISE REDUCTION</b>	Noise reduction around engine compartment	
109	<b>IGNITION</b>	Ignition keyed same for all buses	
110	<b>LOCKS</b>	Key Lock on front passenger door and fuel tank. All keys alike, FLEET	
111		Key lock on rear emergency door with interlock to prevent engine start with door locked	
112	<b>MUD FLAPS</b>	Front and Rear mud flaps with anti sail feature	
113	<b>ACCESS PANELS</b>	All access panels to include key lock latches	
114	<b>AUXILIARY POWER</b>	Auxiliary power outlet. Minimum 1 in driver area	
115	<b>BODY WIRING ACCESS</b>	Body to have exterior access door to wiring terminals located below the drivers window with a lock and wiring to be numbered and color coded.	
116	<b>BACK UP ALARM</b>	Back up alarm should equipped with 112db	
117	<b>ROOF BOWS</b>	Roof bows must be one piece construction floor to floor	
118	<b>DRIVERS ALERT</b>	Transpec	
119	<b>ENGINE SOFTWARE</b>	Engine Software to include Nexiq USB Link Cables and Cummins Insite Full Version (No Lite or Power Spec will be accepted). Engine Software and Cables to be included.	
120	<b>DIAGNOSTIC TOOLS</b>	1 Panasonic Toughbook 53 Windows 8 Laptop, or equivalent (1 per order) Diagnosis software shall be provided for Allison Transmission Body Electrical	
120	<b>ACCESSARY HOOKUP</b>	Accessory/Power hookup in fuse panel	
121	<b>AIRHORN</b>	Airhorn with foot control	
122	<b>STORAGE COMPARTMENT</b>	Overhead compartment over driver window with locking latches	
123	<b>DOOR SWITCH</b>	3 POSITION DOOR SWITCH	
124	<b>ACCIDENT MITIGATION</b>	List prices for accident mitigation systems seperately on the bid. List options and prices for back-up cameras seperately on the bid.	
125	<b>FUEL MONITORING</b>	Fuelmaster AIMES system to be installed prior to delivery.	

## WHEELCHAIR LIFT REQUIREMENTS

126	<b>WHEELCHAIR POSITIONS</b>	Bus shall be equipped with four wheelchair spaces.	
127	<b>FLOOR DESIGN</b>	Floor shall be standard design. Provide drawing with dimensions and seating arrangement.	
128	<b>FIRE SUPPRESSION</b>	Fire Suppression to be Amarex Compatible with current GA. State Specifications.	
129	<b>HANDRAILS</b>	Stainless steel handrails on both sides of the entry door.	
130	<b>SEAT SPACING</b>	Minimum seat spacing 27"	
131	<b>LIFT AND LOCATION</b>	Lift shall be Braun Model NL919FIB (Only). Maximum lift capabilty available - 1000lb lift minimum. Forward location of lift.	
132	<b>WHEELCHAIR SECUREMENT</b>	Unit shall contain 4 Q-Straint Model Q-8107-A1-L2 Tie down kit with recessed aluminum L-track	
133	<b>SEATING</b>	Please Note: The interior bus seating arrangement with measurements must be submitted with the bus bid. Right side seating 39". Left side seating 39". First 3 rows of seating on both sides must contain integrated child restraint seats. Track Seating must be installed with minimum of 6 seats and 1 barrier.	

## MISCELLANEOUS REQUIREMENTS

134	<b>DEVIATIONS</b>	Any deviation from the above optional specs must be approved in writing by Mr. Mike White, Director of Pupil Transportation, Camden County Board of Education. Each bidder must indicate, in writing in the column provided, any deviation from these specifications. This information must accompany your bid.	
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135	<b>LATE PENALTY</b>	Camden County School System reserves the right to remove the school bus manufacturer from the bid list if late delivery to Camden County Schools occurs. Camden County Schools will assess a penalty of \$100.00 per calendar day following the Aug 1, 2024 delivery date on each unit until all busses have been delivered, unless prior notification has been given and deemed acceptable by Camden County Schools. Camden County Schools reserves the right to decide what constitutes acceptable delays in delivery if any.	
136	<b>TURN KEY</b>	The completed school bus must have all options listed in this bid, installed and functional before delivery to the Camden County School System. The school bus must be completely "turn key."	

# Camden County School System School Bus Specifications

2023-2024

29-Jun-22

77-83 Passenger, Type C Buses

The undersigned agrees to furnish new, complete 2023, 77/83 passenger conventional school buses delivered as specified herein. The bid prices quoted are for destination address; 75 Paw Print Trail, Kingsland, Ga. 31548 and cover all delivery fees. The undersigned further affirms that all buses meet or exceed all Federal and State of Georgia specifications, standards and requirements for school buses. Buses must be inspected upon delivery.

**BIDDER SHALL:**

1. Attach full list of Chassis/Body equipment with the appropriate bid.
2. Complete the equipment information (brand, model, etc.) in the right-hand column below.
3. **Please Note: Any deviation from the listed bus specifications please note comparable equipment in the right column.**

QUANTITY:	
TYPE: C Conventional School Bus	
Chassis Model and Manufacturing Location	
Body Model and Manufacturing Location	
Manufacturer Standard Warranty (Whole Bus)	
Vendor Responsible for Engine Warranty	
Vendor Responsible for Transmission Warranty	
Vendor Responsible for Body & Chassis Warranty	
Delivery Date	
Buses shall be delivered with video cameras installed and operational	
Add on items priced individually separate from Bus Bid Price	
Attach a diagram of bus interior seating	
Bus as specified bid price	

<b>WARRANTY BODY AND CHASSIS</b>	The current school bus factory representative is responsible for the resolution of all warranty claims during the warranty period of the complete school bus. School bus suppliers will list in their bid proposal the local vendor that will be responsible for the warranty claims on the unit that they represent, with the exception of Allison Transmissions. School bus representatives will not list multiple engine, chassis, and body repair facilities. Each representative will list a facility that will be responsible for the "entire" complete school bus and the closest Allison Transmission service facility. In the event there is a recall or field fix which involves all units, the Camden County School System reserves the right to require the warranty work to be performed at our location. <b>Additional Requirements:</b> Bidder must include a 5-year/150,000 mile towing warranty up to \$550 per incident along with their bid for towing charges to be covered during the vehicle warranty period. List additional A/C warranty options.	
<b>CUMMINS ENGINE WARRANTY</b>	List additional Cummins Engine warranty options that may be available.	
<b>ADD ON ITEMS PRICED INDIVIDUALLY SEPARATE FROM BUS BID PRICE</b>		
<b>LUGGAGE COMPARTMENTS</b>	Units shall include two double door under body luggage compartments to be mounted on the left and right side of the bus. Compartments shall have locking devices. Compartments shall include extended/longer length skirts that extend to the bottom of the compartment. Prefer compartments to be no less than 91" long and no more than 114" long. List compartment size. Luggage may be on the same side if air conditioner installation requires it.	
<b>SUBMITTED BY</b>		
<b>TOTAL COST</b>		

**NO PRICE INFORMATION BELOW THIS LINE**

**CHASSIS REQUIREMENTS**

	ITEM DESCRIPTION	ADDED SPECIFICATION	Yes / No, If no please explain or give deviation.
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50		The bus body paint must meet the National Standards for color and must have a finish gloss rating of at least 90 at 60 degrees and an average distinctness of image rating at least 60. Topcoat shall be applied for a total dry film thickness of at least 2.2 mils over all painted surfaces.	
51		The exterior paint finish coats must be warranted for a minimum of 60 months (100% parts and labor) for adhesion, color retention and gloss retention. Acceptable variations from original paint finish are as follows:	
52		Adhesion - paint and priming compounds must not fail to adhere to the bus body with normal use and care	
53		Color Retention - during the first 36 months from the in service date, the color must not shift colors more than four (4) Delta E from centroid of the National Specifications. During the 60 month warranty period, the color must not shift more than eight (8) Delta E from centroid of the National Specifications.	
54		Gloss - during the first 26 months from the in-service date, the gloss reading must not fall below 68 at 60 degrees. During the 60 month warranty period, the gloss reading must not drop below 45 at 60 degrees. All measurement shall be the average of twelve readings taken at various points on the bus body, but no reading will be more than three points under the stated minimum and will be taken after the bus has been thoroughly washed to remove road film, dust, and dirt.	
55	<b>BODY WARRANTY</b>	A 3yr/50,000 mile Bumper to Bumper Warranty will be included with each unit purchased	
56	<b>CROSSING GATE</b>	Air operated with yellow blade	
57	<b>DRIVER'S SEAT</b>	A Type 2 lap belt/shoulder harness tether strap seat belt with adjustable D-loop	
58		Blaze Orange Seat Belt	
59		High back version with blue cloth upholstery and seat cushion tilt.	
60		National Air Seat with air up and down/lumbar control	
61		Modesty panel behind drivers seat located on the barrier in front of the first bus seat.	
62	<b>STEPWELL</b>	Corrosion resistant step well with undercoating welded or riveted. Step tread shall be slip resistant and pebble tread.	
63	<b>ENTRANCE DOOR</b>	Air service door with emergency opening capabilities.	
64		Vandal key locked entrance door. Keyed alike vandal locks	
65		Outward opening door.	
66	<b>WINDSHIELD</b>	Windshield shall be tinted and shaded.	
67	<b>DRIVER'S WINDOW</b>	Two-piece sliding, sash type	
68	<b>GLASS</b>	All glass to be tinted to permit 28% light transmission	
69	<b>FLOORS</b>	Floor shall be steel construction with black floor covering and rubber trim.	
70	<b>SUB- FLOOR</b>	Marine grade plywood sub-floor, 5/8"	
71	<b>HEADROOM</b>	Minimum interior headroom 78" with 12 upper sash openings with driver noise package (floor, firewall, & full length perforated ceiling panels to be installed at body plant).	
72	<b>HVAC</b>	Rear water heater pump with metallic housing required	
73	<b>CIRCULATION FAN</b>	1 mounted upper left	
74	<b>HEATER SYSTEM</b>	Access panel from inside or outside for heater core or coil mounting, and valves, and heater core of coil connections.	
75		Right side, front defroster auxiliary heater system, with blower motor, with ball valve style shut off valves	
76		High-Miler EPMD heater hoses	
77		50,000 Btu rear heater	
78		Ball valve shutoffs	
79		Constant Torque Clamps	
80	<b>AIR CONDITIONING</b>	Bus shall be equipped with a minimum 120k BTU Thermo King or factory Installed comparable unit with flush mounted evaporators in front and rear bulkheads. A/C installer to provide 5 year on-site warranty support. List additional A/C warranty options if available.	
81	<b>NUMBER OF BLOWERS</b>	2 (1 front and 1 rear)	
82	<b>EXTERIOR LIGHTS</b>	Exterior lights (stop, tail, turn, side directional, marker, back-up, and tag lights) to meet GA State Specifications Lights shall be LED with 5yr warranty. Add two additional LED reverse lights to be skirt mounted behind rear wheels.	
83	<b>HEAD LIGHTS</b>	Daytime running lights wired to the ignition to illuminate when the ignition is turned on. Allows the vehicle to operate in a "Lights On" condition at all times without driver input. Headlights to be equipped with wig-wag operation to operate with 8-way warning lights	
84	<b>EIGHT WAY WARNING LIGHTS</b>	Eight way warning lights to be strobing LED lights in amber and red. Lights are to have a 5yr warranty	
85	<b>DOMES LIGHTS</b>	Driver's deluxe dome light with individual switch. Should be wired hot to operate without use of ignition switch. All interior lights to be LED type.	
86		Dome light at back door - separate switch	
87	<b>ROOF MOUNTED STROBE LIGHT</b>	The roof-mounted strobe light shall be wired so that it is activated by the manual 8-lamp flasher light switch and deactivated when the entrance door is closed and the red lights go off.	

88		Strobe light must also operate on an auxiliary switch that the operator can turn on in fog or at night without activating the 8-light warning systems.	
89		Strobe light to have a guard to prevent against damage	
90	<b>PRE-TRIP SWITCH</b>	Bus body electrical must be configured to when a pre-trip switch is activated, all of the exterior lights will illuminate so that the driver will be able to check the lights for proper operation. Once the bus is started, the switch will be deactivated and the lights will perform as they were intended.	
91	<b>EMERGENCY EXITS</b>	List manufacture	
92	<b>EMERGENCY DOOR</b>	Emergency door: rear door lock with ignition circuit interrupter	
93	<b>RELECTIVE TAPE</b>	Required on all sides, front and rear of bus all tape to be 3M Diamond Grade Yellow Fluorescent striping	
94	<b>INTERIOR MIRROR</b>	Large, non glare interior rearview mirror. 6" X 30" preferred.	
95	<b>EXTERIOR MIRRORS</b>	Rosco Open View ES Heated Remote Exterior Mirrors	
96		High Definition Heated Crossover mirror system	
97	<b>SEATING</b>	Seat spacing must be minimum 27.5". Blue upholstery	
98	<b>INTERGRATED CHILD SEATS</b>	Four double Integrated child restraint seats (two double seats to go behind driver and the other two double seats to go front door side).	
99	<b>STEERING</b>	Tilt steering column	
100	<b>STOP ARM</b>	Air operated stop arm with high intensity LED lights located at driver side FRONT	
101	<b>WIPERS</b>	5 Intermittent wiper speed modes	
102	<b>WIPERS</b>	5 Intermittent wiper speed modes	

## Accessories

103	<b>DIGITAL CAMERA</b>	24/7 Zeus Camera system with 5 new style 360 degree cameras and one dash mounted camera facing forward. Hard Drives to be 24/7 Hybrid drives. Installation provider must be approved by Camden County Schools. To be mounted in dash. Include roof mounted wifi antennae, GPS antennae, and mini tracks software. Unit should be configured and ready to connect to Touchdown system. Add one additional hybrid drive per bus.	
104	<b>RADIO</b>	AM/FM PA system with 6 deluxe speakers.	
105	<b>MOBILE RADIO</b>	2 channel mobile radio Motorola XPR5550 Narrow Band with Digital Display provided by Mobile Communications America. To be mounted in dash.	
106	<b>HEADLINER</b>	Perforated acoustical ceiling headliner.	
107	<b>NOISE REDUCTION</b>	Noise reduction around engine compartment	
108	<b>IGNITION</b>	Ignition keyed same for all buses	
109	<b>LOCKS</b>	Key Lock on front passenger door and fuel tank. All keys alike, FLEET	
110		Key lock on rear emergency door with interlock to prevent engine start with door locked	
111	<b>MUD FLAPS</b>	Front and Rear mud flaps with anti sail feature	
112	<b>ACCESS PANELS</b>	All access panels to include key lock latches	
113	<b>AUXILIARY POWER</b>	Auxiliary power outlet. Minimum 1 in driver area	
114	<b>BACK UP ALARM</b>	Back up alarm should equipped with 112db	
115	<b>ROOF BOWS</b>	Roof bows must be one piece construction floor to floor	
116	<b>DRIVERS ALERT</b>	Transpec	
117	<b>ENGINE SOFTWARE</b>	Engine Software to include Nexiq USB Link Cables and Cummins Insite Full Version (No Lite or Power Spec will be accepted). Engine Software and Cables to be included.	
118	<b>DIAGNOSTIC TOOLS</b>	1 Panasonic Toughbook or equivalent. Diagnosis software shall be provided for Allison Transmission and Body Electrical	
119	<b>HAND RAILS</b>	Right side, stainless steel	
120	<b>ACCESSARY HOOKUP</b>	Accessary/Power hookup in fuse panel	
121	<b>AIRHORN</b>	Airhorn with foot control	
122	<b>STORAGE COMPARTMENT</b>	Overhead compartment over driver window with locking latches	
123	<b>DOOR SWITCH</b>	3 POSITION DOOR SWITCH	
124	<b>MECHANIC TRAINING</b>	Training for 4 mechanics on engine, bus electrical, and general maintenance to be given by OEM Representative at our facility. Training for proficiency on engine maintenance and diagnosing to be offered within 60 days of bus delivery.	
125	<b>ACCIDENT MITIGATION SYSTEM</b>	List options for accident mitigation with pricing seperately on bid. List options for back-up cameras and pricing seperately on bid.	
126	<b>DEVIATIONS</b>	Any deviation from the above optional specs must be approved in writing by Mr. Mike White, Director of Pupil Transportation, Camden County Board of Education. Each bidder must indicate, in writing in the column provided, any deviation from these specifications. This information must accompany your bid.	
127	<b>FUEL MONITORING</b>	Fuelmaster AIMES system to be installed prior to delivery.	
128	<b>LATE PENALTY</b>	Camden County School System reserves the right to remove the school bus manufacturer from the bid list if late delivery to Camden County Schools occurs. Camden County Schools will assess a penalty of \$100.00 per calendar day following the Aug 1, 2024 delivery date on each unit until all busses have been delivered, unless prior notification has been given and deemed acceptable by Camden County Schools. Camden County Schools reserves the right to decide what constitutes acceptable delays in delivery if any.	
129	<b>TURN KEY</b>	The completed school bus must have all options listed in this bid, installed and functional before delivery to the Camden County School System. The school bus must be completely "turn key."	