

Sumner County Schools 84 passenger Transit Bus Front Engine School Bus Specifications

Quantity: 3
2025-26 School Year

Notes to Bidder:

1. Bidder must have a fully licensed in-state sales and service facility. **State Dealer License # is** _____
2. Salesman's dealer license # is _____
3. You must return a copy of these specs with your bid response noting all exceptions and deviations.
4. Factory direct deliveries are not acceptable, product must have a pre-delivery inspection at in-state facility.
5. Please state earliest delivery date:

<u>Equipment</u>	<u>Description</u>	<u>YES</u>	<u>NO</u>	<u>List Exception</u>
Bus Type	D			
TN Specifications	Must meet all state and federal school bus requirements			
Engine location	Front			
Year Model	New model 2026 or newer			
Seating Capacity	84			
Delivery	1500 Airport Rd, Gallatin, TN 37066			
Manuals	Include owners manual			
Service Training	Provide a minimum of 12 hours product service training at no charge for body and chassis components @ SCS			
Service Tech Equipment	1 (ONE) annual licensed software agreement subscription, specific to bus delivered for diagnosis, analysis, and troubleshooting of engine, transmission, ABS, and electrical systems			
Warranty-Body	Specify Warranty			
 <u>CHASSIS</u>	 <u>CHASSIS</u>			
Axle Ratio	5.29			
Air Compressor	18.7 CFM, minimum			
Air dryer	Merator Wabco SS 1200 - parts # 5400850-7010 or equivalent			
Air tanks	4,500 cubic inch capacity, Bendix DV-2 with Heater			
Alternator	200 or more amp, Delco or Leece Neville			
Axle , front	13,200 lbs. minimum with oil bath with synthetic lube			
Axle, rear	23,000 minimum lbs. with synthetic lube			
Batteries	3 - 1950 CCA 31 series			

Battery Emgcy Disconnect	Factory Installed in Battery Compartment		
Block Heater	750 watt with bumper mounted recepticle		
Brakes	Outboard drum type w/ auto slack adjusters		
Brakes	ABS with diagnostic light in dash		
Brakes, front	16.5" x 6" minimum		
Brakes, rear	16.5" X 8- 5/8" minimum		
Bumper 3/16" steel, front	12" with electric crossing control arm and stowage bracket		
Bumper 3/16" steel, rear	Concave design		
Cooling system	Radiator to have 745 or greater square inches		
Driveline	Guards around each shaft		
Engine Rating	220 HP. Minimum		
Engine Type	Inline 6 cylinder diesel, Cummins ISB, no exceptions		
Exhaust	Below rear bumper with exhaust mitigator		
Frame	50,000 lbs. psi with rear mounted tow hooks		
Fuel filter	Fuel Water Separartor/ Cartridge type at the engine		
Fuel / Water separator	Davco 382-C with heater or compatible product		
Fuel Tank	60 gal. between frame rails, fuel door with thumb latch		
Fuel Tank	Include fuel fill door & sender access plate at interior floor		
High/low Idle Throttle	Electronic		
Instruments	Speedometer, Voltmeter, Oil pressure, Dual air gauges		
Instruments	Transmission temperature gauge, fast idle switch		
Instruments	Air filter restriction indicator, cruise control		
Shocks	Front and rear		
Springs, front	3 leaf parabolic front springs comenserate with GVWR		
Suspension	Comfort trac 52" or Hendrickson rear springs with 20,000 lbs. or greater rating		
Starting aid	Grid heater		
Steering wheel	Tilt and telescopic steering column		
Tires	Seven (7) 11R22.5 16 ply, Michelin, mounted spare		
Tow hooks	Front and rear mounted		
Transmission	Allison 2500 Series 5 speed, transynd fluid & fuel sense		
Wheel Base	231" or greater		
Wheels	Disc hub piloted, 22.5 X 8.25 powder coated black		
Wiring	Coded-full multiplex body and chassis or Integrated Multiplex		

Warranty-Engine/Trans

5 year or greater engine and transmission warranties

BODY

BODY

Access Panels

Located above windshield and driver, access without tools NO BOX above driver window

Child Reminder

Passenger advisory system (not in side panel) CRS brand

Crossarm

Electric Operated polycarbonate crossarm

Defroster fans

Dual 6" dash mounted fans

Door, emergency

upper & lower tinted glass with vandalock

Door, entrance

Three position air outward opening with vandalock

Directional Front

LED Lights in Turn Signal

Driver Arm Rests

Dual folding or right folding and left console

Emergency exits

4 - push out windows w/ buzzers

Emergency exits

2 - roof hatches, Specialty Pro Lo 9000 or Spheros equivalent

Flooring

BLUE floor covering and Koroseal pebble BLUE entrance steps

Flooring

1/2" or greater plywood with metal aisle trim

Flooring

Rubber over wheelhousings

Header Storage

Safety Compartment in front header

Headroom

77 inches, minimum

Headlining

Acoustic headlining full length of bus

Heaters

190,000 BTU front & rear combination w/ removable filter

Heaters

Booster pump and stepwell heater 30,000 BTU's min. or integrated vents w/ front heater and defrost

Heaters

Dash mounted water regulator valve

Heaters

Driver heater mounted on floor behind driver seat

Heaters

Dual heater cut off valves

Identification

6" Black letters, both sides/ 6" numbers-four sides on body

Identification

3/4" x 3" yellow right side rear bumper showing year model

Insulation

Insulation in roof, front, rear, and side walls. R value = 6.0

Insulation

1/2" sound absorbing foam installed under driver toeboard

Lights

LED Dome lights to have dual rows with separate driver dome light

Lights

LED headlights with daytime running light feature

Lights

Warning lights to be LED with sun visor (flashing set to wig-wag, NOT strobing)

Lights

Stepwell, entrance, marker, stop, tail, turn, front and rear side directional, rear side flood reverse by back tires, reverse, side lights to be

LED

Lights	Headlights (wig-wag) when red lights are activated
Mirrors	Interior - 10" X 30" non-glare with visor, heated crossview
Mirrors	Roscoe accustyle-remote & heated with 15 minute timer
Mud Flaps	Front and Rear
Paint	Yellow body with white roof, black rub rails and pilasters
Parts Report	Copy of complete Bus Parts printout "on-line" no charge
Reflective Tape	"SCHOOL BUS" front and rear caps to be reflective
Reflective Tape	Side pushout windows and 2" rear of bus, 2" sides
Reflectors	To be mechanically attached
Roof Bows	One piece
Rub rails	Provide four rubrails, painted black
Radio	AM/FM/CD or Bluetooth/Page/ 6 int. speakers, 1 exterior speaker
Radio Speakers	8 Coaxial Speakers TBB-152991 or equivalent
Safety	Fire Ext, Body Fluid kit, Flares, First Aid Kit, Seat Belt Cutter
Safety Compartment	*FE, FAK, BFK to be mounted on wall and floor beside entrance door*
Seat Frames	Frames to be powder coated, black
Seat Space	25" minimum knee space, include seat plan drawing
Seat Barriers	Blue fire block, kick panel-right side, storage pouch-left side
Seats / Driver	Air ride, pedestal cover, 2 shocks, fabric insert, Driver's Seat Pouch attached to Seatback
Seats / Driver	Lap/shoulder belt (orange) with warning indicator, adjustable back
Seats / Passenger	39" DOT fire block blue upholstery
Side Panels	Interior - Aluminized steel side walls
Solenoid	Disconnect all body circuits, 100 amp minimum
Strobe	Roof mounted Specialty 515-400 with guard or equal, "Wired to Key"
Stop arm	First Light Safety Products Fully Illuminated Stop Arm, Electric Drive Operated
Vents	2 - driver's fresh air & static roof vent
Windows, Passenger	12" openings, tinted glass, Frames: Black for TBB spec, Black for BB spec
Windows Driver	Double sliding, black sash, tempered
Windshield	One piece or two piece tinted, bonded in place, tinted band across top
Windshield	2 grip handles beside windshield and cowl steps
Wipers	Intermittent feature on turn signal lever
Wiring	Color & number coded
Radio-Two way	Kenwood NX-5800-SCPKG-25 Phase I & Phase II, CommTech @ 615-889-4756

Customer Fuse block	Allows electrical access without using multiplex wiring
Backing Alarm	112 db required
Document Holder	Mounted to meet State specs
Switch	Noise suppression switch to be provided
Lettering	"Sumner County Schools" #'s, and "D" (Diesel) supplied to successful bidder
Grille	Chrome or yellow grille, hood intake plenum, and headlight bezels
Camera system	AngelTrax 12 camera system- contact rep.- Laci Hatley @ 803-414-3035- See attachment
Camera system	Prior to installation, Transportation Director or designee will visit dealer to mark location of installation
Camera GPS antenna	Please see attachment - AngelTrax
Fenders	Rubber or metal fenders around rear wheel opening
GPS UNITS	To be installed at Sumner County Bus Garage by Davis Electronics 615-666-2450
GPS UNITS	The selling bus dealer will be responsible for all labor costs to install customer owned GPS units on new buses
GPS UNITS	GPS to be supplied by Sumner County Schools
Trash Can	Trash Can - mounted - see Transportation Director for specifics
Keys	All units to have common key
Battery Box	Shall be frame mounted with battery cut off switch in box
Under Carriage Storage	23.3 cubic ft. on driver's side and 27.2 cubic ft. on passenger side or equivalent
Lights	All lights to be LED type throughout bus
Seat Numbers	Seats to be numbered prior to delivery, see Transportation Director for location of numbers
Parking Knob	Cushion around parking brake knob
Recovery	Recovery jug to catch overflow of coolant
Handle	Small grab handle on wall on right when entering bus
Radio-two way model	Kenwood NX-5800K-SCPKG-25 Phase I and Phase II and all accessories Contact @ 615-889-4756 for installation and price



PREPARED FOR:

BILLING DETAILS	SHIPPING DETAILS
Sumner County Board of Education Kevin Kepley 1500 Airport Road Gallatin, TN 37066 USA 615-452-1520 kevin.kepley@sumnerschools.org	Sumner County Board of Education Kevin Kepley 1500 Airport Road Gallatin, TN 37066 USA 615-452-1520 kevin.kepley@sumnerschools.org

PREPARED BY:
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Corporate Office: 1.800.673.1788
laci.hatley@angeltrax.com




QUOTED PRODUCTS

MODEL & DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE
AngelTrax VULCANV1284HC Mobile Digital Video Recorder System (System Contents and Product Descriptions Listed Below)	1		
 <p>V1284HC Vulcan Series 12-Channel HD/IP Mobile Digital Video Recorder</p> <ul style="list-style-type: none"> • 12 Channels with 8 Channels D1, WD1, 720P, or up to 1080P + 4 Channels IP 720P, 1080P, up to 4MP • Patented Hybrid Component Modular Design • Supports 3.5-Inch Platter Hard Drive (Sold Separately) • 64GB SD Card for Redundant Recording • Built-in Wi-Fi Module • Built-in G-Force Sensor • Vandal-Resistant Locking Hard Drive • Panic Button • H.264/H.265 Compression 	1		
 <p>SSD1TBM2 Solid State 1TB M.2 SATA Hard Drive for 3.5" Tray REQUIRES PURCHASE OF HARD DRIVE TRAY</p> <p>We recommend the use of storage media provided only by AngelTrax for our recording devices. AngelTrax hard drives and SD cards are optimized for around-the-clock video surveillance and are designed to withstand extreme temperatures. Standard hard drives and SD cards purchased through consumer resellers are not made for surveillance devices and have been known to stop functioning at any time without warning, causing a loss of video.</p>	1		
 <p>IBRS750LP4 3G/4G Cellular Modem</p> <ul style="list-style-type: none"> - Embedded Cat 4 LTE modem - 2 x 1 GbE RJ45 (LAN/WAN switchable) - Operating Temperature: -20 °C to 60 °C (-4 °F to 140 °F) - Power 9-33 VDC steady state input - AT&T, T-Mobile, Verizon - INCLUDES POWLO58 POWER CABLE - INCLUDES CAT85CABLE 	1		

QUOTED PRODUCTS

MODEL & DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE
 <p>MSD64GB 64GB microSD Solid-State Memory Card</p> <p>We recommend the use of storage media provided only by AngelTrax for our recording devices. AngelTrax hard drives, and SD cards are optimized for around-the-clock video surveillance and are designed to withstand extreme temperatures. Standard hard drives and SD cards purchased through consumer resellers are not made for surveillance devices and have been known to stop functioning at any time without warning, causing a loss of video.</p>	1		
 <p>VULPBH Vulcan Series Panic Button Housing PC color</p>	1		
 <p>HD1700V (6) Vulcan Series 170-Degree HD 1080P Low Profile Camera: Front Bulkhead, Rear Bulkhead, (4) Miship staggered</p> <ul style="list-style-type: none"> • 1.7mm Lens with Fully Articulating Lens Casing, Adjustable Vertically and Horizontally at Installation • IP68 Rated Waterproof Interior/Exterior Camera • 1080P HD • 2.12 Megapixels • Noise-Gated Microphone • Vandal-Resistant Casing • Scratch-Resistant, Anti-Glare Glass Lens Cover • Infrared 	6		
 <p>HD3600V (2) Vulcan Series 3600 HD Low Profile Camera - Exterior overview of stop arm cams</p> <ul style="list-style-type: none"> • 3.6mm Lens with Fully Articulating Lens Casing, Adjustable Vertically and Horizontally at Installation • IP68 Rated Waterproof Interior/Exterior Camera • 1080P HD • 3 Megapixels • Noise-Gated Microphone • Vandal-Resistant Casing • Scratch-Resistant, Anti-Glare Glass Lens Cover • Infrared • For use in school bus SAV applications as overview camera when equipped with YELHS1 yellow housing 	2		
 <p>IPI18V2 (2) Vulcan Series Low Profile 1.8mm 4MP Interior IP Camera - Driver, Rear facing forward</p> <ul style="list-style-type: none"> • 1.8mm Lens with Fully Articulated Lens Casing • Interior Camera • 4 Megapixels • Noise-Gated Microphone • Anti-Vibration, Vandal-Resistant Casing • Scratch-Resistant, Anti-Glare Glass Lens Cover • Infrared 	2		
 <p>IPSAV5MP (2) Vulcan Series IP 5MP SAV Camera - facing front, facing rear</p> <ul style="list-style-type: none"> • 16mm Lens • 5 Megapixels • Exterior Camera • Rated IP67 and IK10 • Super Infrared • Vandal-Resistant Casing • Scratch-Resistant, Anti-Glare Polarized Glass Lens Cover • Designed to Capture License Plates as Vehicles Pass By • Lens Housing Adjustable at Installation for Capturing Video From Either Direction 	2		
 <p>HD4CBL 13.12 ft. HD Camera Cable</p>	1		

QUOTED PRODUCTS

MODEL & DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE
 <p>HD9CBL (2) 29.53 ft. HD Camera Cable</p>	2		
 <p>HD12CBL (2) 39.37 ft. HD Camera Cable</p>	2		
 <p>HD18CBL (3) 59.06 ft. HD Camera Cable</p>	3		
 <p>CAT850CBL (4) CAT8 Shielded Camera Cable, 50 ft <ul style="list-style-type: none"> • RJ45 Connection • Compatible with most Vulcan Series MDVRs and MNVRs </p>	4		
 <p>ADJBR100 Adjustable Mounting Bracket for Vulcan Series HD-V Camera Capturing Windshield View</p>	1		
 <p>WC4G Vulcan Series Wi-Fi Cellular GPS Tri-Mode Antenna <ul style="list-style-type: none"> • Wi-Fi, Cellular and Passive GPS Antenna • Interior-mounted </p>	1		
 <p>VULPWRCBL Security Key Power Cable Adapter Hard Drive Version for Vulcan Series MNVRs and MDVRs</p>	1	\$23.92	\$23.92
 <p>VULPWRKEY Security Key USB 3.0 for Hard Drive Version Vulcan Series MNVRs, MDVRs</p>	1	\$63.92	\$63.92

QUOTED PRODUCTS			
MODEL & DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE
<p>CONTLABOR-Wireless Contract Labor for Configuration of Wireless Components</p> <ul style="list-style-type: none"> • Configuration of AngelTrax wireless components purchased for use with Vulcan Series MDVR/HCNVR systems • NOTE: Wireless components must be configured by a Certified AngelTrax IT Professional. • Price is per system. • Price is determined by type of wireless service (cellular or Wi-Fi) and software/tracking system purchased. • This quote does not include charges for the removal of any existing camera systems or equipment. • *If quote is for multiple systems, pricing is based upon the configuration of (# of systems) AngelTrax Wireless Components at the same time and location. <p>Cellular</p> <ul style="list-style-type: none"> • Contact cellular carrier to activate service to Vulcan component(s). • Program unit to connect to PRO8CMS or MotoTrax. • Set up each unit's ID and assigned vehicle number to be recognized in PRO8CMS or MotoTrax. • Program unit to connect with customer's server or AngelTrax server. <p>Wi-Fi</p> <ul style="list-style-type: none"> • Contact customer's IT department for customer's Wi-Fi login at vehicle parking facility. • Program unit to connect to PRO8CMS or MotoTrax per customer's requirements: scheduled downloads or downloads upon connection to customer's Wi-Fi access point. • Set up each unit's ID and assigned vehicle number to be recognized in PRO8CMS or MotoTrax. 	1	[REDACTED]	[REDACTED]
<p>CONT3RD Installation not included. Installation to be performed by Dealer or End User as specified by Dealer.</p>	1	\$0.00	\$0.00
<p>SHIPPING/HANDLING Shipping and Handling Charges - 2 System Boxes * Optional items are not included in the calculation.*</p>	1	[REDACTED]	[REDACTED]
TOTAL			[REDACTED]

QUOTED PRODUCTS - OPTIONAL ITEMS		NOTE: OPTIONAL ITEMS BELOW ARE NOT INCLUDED IN TOTAL PRICING ABOVE.	
MODEL & DESCRIPTION	QTY	UNIT PRICE	TOTAL PRICE