

	Sumner County Schools 84 passenger Transit Bus Front Engine School Bus Specifications			
	Quantity: 12			
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 _____			
	4. You must return a copy of these specs with your bid response noting all exceptions and deviations.			
	5. Factory direct deliveries are not acceptable, product must have a pre-delivery inspection at in-state facility.			
	6. Please state earliest delivery date:			
<i>Equipment</i>	<i>Description</i>	<i>YES</i>	<i>NO</i>	<i>List Exception</i>
Bus Type	D			
TN Specifications	Must meet all state and federal school bus requirements			
Engine location	Front			
Year Model	New model 2021 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			
Warranty-Body	Specify Warranty			
<u>CHASSIS</u>	<u>CHASSIS</u>			
Axle Ratio	5.29 or 65mph road speed			
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 Department			

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 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	nfort 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			
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			
Header Storage	Safety Compartment in front header or over windshield			
Emergency exits	4 - push out windows w/ buzzers			
Emergency exits	2 - roof hatches, Specialty Pro Lo 9000 or Spheros equivalent			
Flooring	Black floor covering and Koroseal pebble entrance steps			
Flooring	1/2" or greater plywood with metal aisle trim			
Flooring	Rubber over wheelhousings			
Headroom	77 inches, minimum			
Headlining	Acoustic headlining full length of bus			
Heaters	190,000 BTU front & rear combination w/ removable filter			
Heaters	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			
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	Dome lights to have dual rows with driver dome light			
Lights	Halogen headlights with daytime running light feature			
Lights	Warning lights to be LED with sun visor			
Lights	Marker, stop, tail directional, 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/Page/ 6 int. speakers, 1 ext. 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 in bulk head compartment			
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, pedistal cover, 2 shocks, fabric insert			
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			
Stop arm	Transpec 2000 Electric Operated , spells "stop"			
Vents	2 - driver's fresh air & static roof vent			
Windows, Passenger	Black frames with 12" openings, tinted glass			
Windows Driver	Double sliding, aluminum 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	wood 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	To meet State specs			
Switch	Noise suppression switch to be provided			
Lettering	"Sumner County Schools" #'s supplied to successful bidder			
Grille	Chrome or yellow grille, hood intake plenum, and headlight bezels			
Camera system	Safety Vision - contact rep. - Frank Bowden @ 713.929.1086 - See attachment			
Camera GPS antenna	Please see attachment - Safety Vision			
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	GPS to be supplied by Sumner County Schools			
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			



Safety Vision
6100 W. Sam Houston Pkwy.
Houston, TX 77041
Direct: 713-896-6600
Fax: 713-896-6640

Thank you for your request for proposal
If you have any questions or issues, just call
us **TOLL FREE** at 1-800-880-8855

Stop Arm Camera Solution

2 External Cameras / 5 Internal Cameras

4112-HVR-1TBHDD	4112-HVR Kit With Standard 1TB Hard Drive
41-GPS	GPS Module for 41 Series
41-PWRHRNS	Power Harness 4000/4100/4108/4112/4116
41-TRIGGER	Trigger Harness for 41 Series
4112-1TB-HDD	1 TB hard drive
4112-HVR	12 chan rec-8 analog 4 IP cam
SV-BATTERY-AAA	Alkaline AAA Battery
41-PANIC-KIT	Panic Button Kit for 41's
41-PANIC	Panic Button for 4108/4112/4116
41-PANIC-CABLE	Cable for 41-Panic. Use with all but the 4000HYB
4108-USB	3ft usb a to b
41-UPS	UPS back-up battery for the 4000-HVR, 4100-HVR & 4112-HVF
SV-DECAL	Audio & Video Recording in Progress

External Cameras

SV-EXT16-1080S	AHD curb side 16MM camera for 4100 & 4112 HVR
SV-EXT8-1080C	AHD curb side 8MM camera for 4100 & 4112 HVR

Internal Cameras

AHD-2.8M-WT	2.8mm camera for 4000
AHD-WV	AHD Wide View Camera
SVS-5MMF	5m M/F THREADED CABLE
SVS-10MMF	10m M/F THREADED CABLE
SVS-15MMF	15m M/F THREADED CABLE
41-WS-BRKT	front windshield bracket