

Sumner County Schools Conventional Special Education School Bus Specifications				
Quantity: 3				
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:				
<i>Equipment</i>	<i>Description</i>	<i>YES</i>	<i>NO</i>	<i>List Exception</i>
Bus Type	Conventional w/ Lift			
TN Specifications	Must meet all state and federal school bus requirements			
Engine location	Front			
Year Model	New model 2021 or newer			
Seating Capacity	30 + 4 wheel Chairs with continous track- see attached floor plan tie downs and Safeguard Safety Seats - See Attached Floor Plan			
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	Please Specify Warranty			
<u>CHASSIS</u>	<u>CHASSIS</u>			
Axle Ratio	5.29 or greater or 65mph road speed			
Air Compressor	18.7 CFM, minimum			
Air dryer	Merator Wabco SS 1200 - parts # 5400850-7010 or Bendix AD-9 w/ heater			
Air tanks	3,790 or greater cubic inch capacity, Bendix DV-2 with Heater			
Alternator	275 or greater amp, Delco or Leece Neville equivalent			
Axle , front	10,000 lbs. minimum with oil bath with synthetic lube			

Axle, rear	21,000 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 5" minimum		
Brakes, rear	16.5" x 7" 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 at least 620 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 or left side 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 Fleetgurad		
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		
Wheel Chair Lift	Braun Lift, NCL 917, 800 lb or greater capacity		
Lift Location	Rear		
Lift Specidfications	Automatic Positioning at Floor Level with single door		
Shocks	Front and Rear		
Springs, front	3 leaf parabolic front springs comenserate with GVWR		
Suspension	Comfort trac 52" rear springs with 21,000 lbs. 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 Seriesn or greater 5 speed, transynd fluid & fuel sense		
Wheel Base	252" or greater (list exact wheelbase)		
Wheels	Disc hub piloted, 22.5 X 8.25 powder coated black		
Wiring	Color & number coded-full multiplex body and chassis		
Warranty-Engine/Trans	5 year engine and transmission warranties		
BODY	BODY		
Air Conditioning System	Min. 16,000 BTU. Must be able to keep bus cool w/ copy of complete list of A/C parts		
Body Mounts	Meet state and federal specifications		
Child Reminder	Passenger advisory system (not in side panel)		
Crossarm	Electric Operated polycarbonate		
Defroster fans	Dual 6" dash mounted fans		
Door, emergency	upper & lower tinted glass		
Door, entrance	Three position air outward opening with vandaloock		
Directional Front	Turn signals integrated into headlights		
Driver Arm Rests	Dual folding		
Emergency exits	4 - push out windows w/ buzzers		
Emergency exits	2 - roof hatches, to be 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		
Header Storage	Safety Compartment in front header OR over driver window		
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.		
Heaters	Heater cut off valve(s)		
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 = 5.7		
Insulation	1/2" sound absorbing foam installed under driver toeboard		
Lights	Dome lights to have dual rows with driver dome light		

Lights	Halogen or LED headlights with daytime running light feature			
Lights	Warning lights to be LED			
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 or open view-remote & heated with 15 minute timer			
Mud Flaps	Front and Rear			
Paint	Yellow body with white roof, black rub rails and black or yellow 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 MP3/Page/ 6 int. speakers, 1 ext. speaker			
Radio Speakers	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 or behind driver's seat			
Seat Frames	Frames to be powder coated, black			
Seat Space	24" 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	Seats 5 - 39" Tract MTD and 9 - 30" 6 Tract MTD (see attached floor plan)			
Seats and Belts	Safeguard Safety Seats W/ 3 Point Seat Belts (FE200868-4) and Child Restraint			
Seats and Belts	g capacity should consist of 30 ambulatory, 4 w/c, 4 continuous tracks in space in middle of bus including tie down systems and occupant restraints			
Seats and Belts	All seats to have 2 lap/shoulder belts per seat (30 total)			
Seats and Belts	Seating should include 20 integrated seats			
Seat Upholstry	Blue			
Securement Systems	Sure-Lok retractable Type FE200855S (4 Sets) w/ storage pouches FF612-4C			
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		
System Floor Track	Wheelchair Track 4 rows continuous in floor on driver side of bus from rear wheel well to back of bus		See attached floor plan
Track	1 continuous w/c track over windows on driver side that coincides with floor track		
System Floor Track	Recessed in Plywood		
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	tinted, bonded in place		
Windshield	2 grip handles beside windshield and cowl steps		
Wipers	Intermittent feature on turn signal lever		
Wiring	Color & number coded		
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 grille, hood intake plenum, and headlight bezels		
Camera system	Safety Vision - Please see attachment - Rep. Frank Bowden for proper installation		
Fenders	Rubber or metal fenders around rear wheel opening		
GPS Units	Systems to be installed at Sumner County Schools bus garage by Davis Electronics		615-666-2450
GPS Units	Systems to be provided by Sumner County Schools		
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		
Keys	All units to have common key		
Battery Box	Shall be frame mounted with battery cut off switch in box		



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