

# TYPE A SCHOOL BUS SPECIFICATIONS



IDAHO STATE DEPARTMENT OF EDUCATION  
STUDENT TRANSPORTATION

650 W STATE STREET, 2ND FLOOR  
BOISE, IDAHO 83702  
208 332 6800 OFFICE  
[WWW.SDE.IDAHO.GOV](http://WWW.SDE.IDAHO.GOV)

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## **1. GENERAL SPECIFICATIONS / CONSTRUCTION EXTERIOR DESIGN**

- A. Date:
- B. This invitation to bid encompasses the furnishing of transit RE school bus unit(s), for School District:
- C. Transportation Supervisor:
- D. Bus will meet or exceed all Federal (FMVSS) and Idaho State (SISBO) rules and regulations in effect at time of delivery.
- E. Supply service manual or software (CD) for the body.
- F. Supply parts manual, software (CD), or web site access, for the body.
- G. Body electrical schematic. Bid will not be awarded to vendors who cannot provide an electrical schematic for each individual bus.
- H. A print out that provides a list of each part used to build the bus body.
- I. Standard manufactures warranty.
- J. School bus body specifications. – type A
- K. Inside body height of Type A-1 buses shall be 62" or more.
- L. Number of buses:  
New model type A school bus; seating capacity:                      bus length:
- M. Four (4) rub rails painted black.
- N. Heavy duty steel front and rear black colored bumper that shall be of sufficient strength to permit being pushed by another vehicle of similar size or lifted without permanent distortion.
- O. Mud flaps required except when not provided as an option by manufacturer.
- P. Tow hooks front and rear if provided by manufacturer
- Q. Dual rear wheels shall be provided on Type A

## **2. AIR CLEANER**

- A. A dry type air cleaner shall be provided

## **3. ALTERNATOR**

- A. All Type A buses shall have, at a minimum, a 145 amp alternator

## **4. AXLES**

- A. The front and rear axle and suspension systems shall have a gross axle weight rating (GAWR) at ground commensurate with the respective front and rear weight loads of the bus loaded to the rated passenger capacity.

## **5. BATTERY**

- A. The battery is to be furnished by the chassis manufacturer.
- B. Buses may be equipped with a battery shut-off switch. If so equipped, the switch is to be placed in a location not readily accessible to passenger
- C. Battery (ies) mounted under the engine hood by the chassis OEM are acceptable, or any chassis frame mounted batteries shall be relocated to a battery compartment.

## **6. BRAKES**

- A. The chassis shall be equipped with four wheel brakes.
- B. Antilock Brake System

## **7. DRIVERS DOOR**

- A. All Type A vehicles may be equipped with the chassis manufacturer's standard left-side door.

## **8. DRIVER'S SEAT**

- A. Driver's Seat & Restraint System— Type A buses may use the standard driver's seat provided by the chassis manufacturer.

## **9. EMERGENCY EXIT**

- A. Push Out windows each side of bus as required by SISBO
- B. Roof mounted escape hatches as required by SISBO
- C. Rear Door: Upper and lower glass

## 10. ENGINE

- A. Gas
- B. Diesel
- C. LPG
- D. CNG

## 11. FLOOR

- A. Floor Covering – The driver's area on all Type A buses may be manufacturer's standard flooring and floor covering.

## 12. HEATERS / VENTILATION

- A. The heating system shall be capable of maintaining bus interior temperatures as specified in SAE test procedure J2233.

## 13. INTERIOR DESIGN

- A. All school buses (including Type A) shall be equipped with restraining barriers which conform to FMVSS No. 222.
- B. Driver's dome light with separate switch wired for use without ignition switch.
- C. Empty/passenger bus check system; Yes                      No:
- D. Flooring, color:
- E. Four camera surveillance system
- F. Instruments – Speedometer, odometer, voltmeter, oil pressure gauge, water temperature gauge, fuel gauge, upper headlamp beam indicator, brake indicator lamp (vacuum/hydraulic brakes), or brake indicator lamp (hydraulic/hydraulic), a telltale warning lamp indicator in lieu of gauge is permitted on a vehicle equipped with a hydraulic-over-hydraulic brake system, turn signal indicator.
- G. Interior side panels to be aluminized, scratch resistant or equivalent
- H. Marine grade C-D 5/8" 5 layer plywood flooring for insulation, Specify:
- I. Power port in drivers area
- J. Four interior lights, minimum

## **14. LIGHTS**

- A. Daytime running lights wired when the ignition is turned on. Allows the vehicle to operate in “lights on” condition at all times without driver input.
- B. Halogen, dual headlights
- C. Halogen or LED, exterior door light
- D. All other exterior lighting to be LED
- E. Two back-up lights maximum

## **15. MIRROR SYSTEM**

- A. Driver’s view of mirrors through windshield shall be unobstructed
- B. Crossover mirror system, heated
- C. Drivers Interior Mirror – Minimum of six (6) inches by 16 inches in size.
- D. All exterior side mirrors will be heated and remotely controlled

## **16. NOISE REDUCATION**

- A. Ceiling noise reduction complete bus acoustical ceiling

## **17. NUMBERS AND LETTERING**

- A. District name and number in belt line
- B. Lettering shall be 6”
- C. Each bus shall have numbers in two (2) places on each side of the bus in the logo panel. Numbers shall be as close to the first and last passenger windows as possible.
- D. Numbers will be coordinated through the Transportation Supervisor prior to construction of the buses.

## **18. RADIO SYSTEM**

- A. Two way communication radio
- B. AM/FM radio with PA and clock to be installed in driver compartment
- C. Maximum number of internal speakers to accommodate the AM/FM radio and Public

Address System

- D. External speaker for PA

## **19. RADIATOR**

- A. Radiator site glass or overflow tank
- B. Radiator hoses to be high quality rubber

## **20. ROOF**

- A. Roof mounted white strobe light on rear of bus with a protective guard to deter breakage Yes: No:
- B. Strobe light shall be wired to operate independently with dash switch

## **21. SAFETY ITEMS**

- A. Fire Extinguisher: one (1) per bus, 5lbs with hose and current year inspection tag
- B. Idaho first aid kit, metal box
- C. Idaho body fluids clean-up kit, metal box
- D. Triangle warning devices
- E. Backing horn mounted in rear bumper area of the bus 112 dB minimum rating
- F. Seat belt cutter having a full width handgrip
- G. Manual noise suppression switch installed in the control panel. Shall be labeled and alternately colored and control items specified in SISBO.

## **22. SCHOOL BUS SIGN**

- A. Reflective "SCHOOL BUS" decal on front and rear
- B. 1" reflective material outlined around all exits as required
- C. 2" reflective material outlined around the rear and sides of bus as required

## **23. SEATS**

- A. All class A school buses shall have seats installed that meet all State and Federal standards.
- B. The first two rows in the front may be equipped with Integrated Child Restraint Seats (C.E. White or equivalent), Yes:      No:

## **24. SERVICE DOOR**

- A. Service door with emergency opening capability
- B. Outward opening split type door
- C. Exterior landing light mounted immediately behind step well
- D. Handrail(s) at front entrance door to extend to bottom step

## **25. SHOCK ABSORBERS**

- A. Direct acting, double action piston type

## **26. STEERING**

- A. Multi tilting

## **27. STOP ARM**

- A. Stop arm, with LED strobe light
- B. Wind Guard

## 28. TRANSMISSION

- A. Automatic transmissions shall have no fewer than three forward speeds and one reverse speed. Mechanical shift selectors shall provide a detent between each gear position when the gear selector quadrant and shift selector are not steering-column mounted.

## 29. WHEEL AND TIRES

- A. The chassis shall be equipped with six (6) wheels and rims. Wheels (rims) shall be gray or black.

## 30. WINDOWS

- A. Frost free glazing for service door, and first two passenger windows on right side, Yes:
- B. Tinted passenger windows 28%

## 31. WINDSHIELD

- A. Windshield will be tinted with shaded band at top.
- B. Electric windshield wipers, with single switch with washers
- C. Bottled windshield washer fluids storage and dispersal system

## 32. DELIVERY

- A. Buses shall be delivered prior to
- B. Delivery point of School District

## 33. SAFETY OPTIONS / SDE SUPPORTED

- A. Additional Integrated Child Restraint Seats and include ISO LATCH attachments  
Addition number required or all seats
- B. Air conditioning, must be driven by an IEP
- C. Air conditioning vest. Yes



- D. Alternative fuel compressed natural gas engine-CNG engine Yes
- E. Alternative fuel liquefied petroleum gas engine-propane-LPG engine Yes\_
- F. Automatic chains Yes \_
- G. Flat floor Yes
- H. Front bumper mounted student crossing arm Yes\_
- I. Full track seating, 72 pass., Yes , Specify:
- J. Heated entry steps Yes \_
- K. Passenger three point seat belts, flex seat: , regular seat: , # of seats:
- L. Roof mounted air deflector Yes
- M. Track seating per station Yes Specify
- N. Wheel chair lift package, Yes: Number of stations:, # lbs. cap.:, number of track seats to be installed: , seat belt cutter having a full width handgrip to be included.

### **34. ADDITIONAL OPTIONS DISTRICT SUPPORTED (NONREIMBURSABLE)**

- A. Air conditioning, Yes: \_
- B. Ceiling hatch power vents, Yes:
- C. Cove molding floor to wall, Yes:
- D. Cruise control, Yes:
- E. Fenderettes, Yes:
- F. Hand rail, colored, Yes:\_
- G. Interior LED passenger lights, Yes:
- H. Keys, common, Yes:
- I. Keys, number required per bus
- J. Light monitor, (16) light system, Yes:
- K. Lights, fog, Yes:
- L. Passenger surveillance systems with more than four cameras
- M. Yes total numbers of camera(s) , location:
- N. Rear motorist alert display, Yes:
- O. Seating, fire block in-lieu of standard seat, Yes: \_
- P. Step well tread, pebble tread, Yes:
- Q. Storage, above driver left side, Yes:
- R. Storage, overhead compartments for emergency equipment: Yes:
- S. Tinted rear windows glass, Yes:

- T. Tire chains: Cables: \_ Yes:
- U. Trash container, removable in drivers area, Yes:
- V. Turn signal lenses shall have arrows on rear, Yes:
- W. Vandal key lock entrance door, Yes:
- X. Vandal lock, rear door with ignition interrupter, key lock: Yes , dead bolt, Yes:
- Y. White roof, Yes:
- Z. Winter front, Yes:

### **35. NON-REIMBURSEABLE EXTENDED ENGINE WARRANTIES**

- A. 5 year 150,00 miles extended any major component
- B. 7 year 150,000 miles extended coverage
- C. 7 year 150,000 miles extended any major component
- D. 10 year 200,000 miles extended coverage
- E. 10 year 200,000 miles extended any major component

### **36. BIDDER CONTACT INFORMATION**

In order to complete the evaluation process faster, list the name, address, phone number, fax number, and email address of the person capable of answering any questions that may arise during the evaluation process. (Please Print or Type)

Company Name:

Attention:

Address:

City/ST/Zip:

Phone:

Email:

Company Federal Tax ID #