**TYPE A SCHOOL BUS SPECFICATIONS**

1. **GENERAL SPECIFICATIONS / CONSTRUCTION EXTERIOR DESIGN**
2. Date:\_**6/1/15**\_
3. This invitation to bid encompasses the furnishing of Type A school bus unit(s), for \_\_\_\_\_\_\_\_\_\_ **Idaho Department of Education** \_\_\_\_\_\_\_\_\_\_School District.
4. Transportation Supervisor, \_\_\_\_ **Student Transportation** \_\_\_\_School District.
5. Bus will meet or exceed all Federal (FMVSS) and Idaho State (SISBO) rules and regulations in effect at time of delivery.
6. Supply service manual or software (CD) for the body.
7. Supply parts manual, software (CD), or web site access, for the body.
8. Body electrical schematic – Bid will not be awarded to vendors who cannot provide an electrical schematic for each individual bus.
9. A print out that provides a list of each part used to build the bus body.
10. Standard manufactures warranty.
11. School bus body specifications. – type A
12. Inside body height of Type A-1 buses shall be 62" or more.
13. Number of buses: \_**0**\_
14. New model type A school bus seating capacity: **(see schedule B)**
15. Four (4) rub rails painted black.
16. 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.
17. Mud flaps required except when not provided as an option by manufacturer.
18. Tow hooks front and rear if provided by manufacturer
19. Dual rear wheels shall be provided on Type A
20. **AIR CLEANER**
21. A dry type air cleaner shall be provided

1. **ALTERNATOR**
2. All Type A buses shall have, at a minimum, a 145 amp alternator
3. **AXLES**
4. 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**
6. The battery is to be furnished by the chassis manufacturer.
7. 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
8. 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.
9. **BRAKES**
10. The chassis shall be equipped with four wheel brakes.
11. Antilock Brake System
12. **DRIVERS DOOR**
13. All Type A vehicles may be equipped with the chassis manufacturer's standard left-side door.
14. **DRIVER’S SEAT**
15. Driver’s Seat & Restraint System– Type A buses may use the standard driver's seat provided by the chassis manufacturer.
16. **EMERGENCY EXIT**
17. Push Out windows each side of bus as required by SISBO
18. Roof mounted escape hatches as required by SISBO
19. Rear Door: Upper and lower glass
20. **ENGINE**
21. GM 6.0L Gas \_\_\_\_
22. Ford 6.8L Gas \_\_\_\_
23. GM 6.6L Diesel\_\_\_\_
24. **FLOOR**
25. Floor Covering – The driver's area on all Type A buses may be manufacturer's standard flooring and floor covering.
26. **HEATERS / VENTILATION**
27. The heating system shall be capable of maintaining bus interior temperatures as specified in SAE test procedure J2233.
28. **INTERIOR DESIGN**
29. All school buses (including Type A) shall be equipped with restraining barriers which conform to FMVSS No. 222.
30. Driver’s dome light with separate switch wired for use without ignition switch.
31. Empty/passenger bus check system, Yes\_**X**\_ No:\_\_\_
32. Flooring, color:\_**Black**\_
33. Four camera surveillance system
34. 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.
35. Interior side panels to be aluminized, scratch resistant or equivalent
36. Marine grade C-D 5/8” 5 layer plywood flooring for insulation, Specify: \_\_\_
37. Power port in drivers area
38. Four interior lights, minimum
39. **LIGHTS**
40. 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.
41. Halogen, dual headlights
42. Halogen or LED, exterior door light
43. All other exterior lighting to be LED
44. Two back-up lights maximum
45. **MIRROR SYSTEM**
46. Driver’s view of mirrors through windshield shall be unobstructed
47. Crossover mirror system, heated
48. Drivers Interior Mirror –Minimum of 6 inches by 16 inches in size.
49. All exterior side mirrors will be heated and remotely controlled
50. **NOISE REDUCATION**
51. Ceiling noise reduction complete bus acoustical ceiling
52. **NUMBERS and LETTERING**
53. District name and number in belt line
54. Lettering shall be 6”
55. 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.
56. Numbers will be coordinated through the Transportation Supervisor prior to construction of the buses.
57. **RADIO SYSTEM**
58. Two way radio
59. AM/FM radio with PA and clock to be installed in driver compartment
60. Maximum number of internal speakers to accommodate the AM/FM radio and Public Address System
61. External speaker for PA
62. **RADIATOR**
63. Radiator site glass or overflow tank
64. Radiator hoses to be high quality rubber
65. **ROOF**
66. Roof mounted white strobe light on rear of bus with a protective guard to deter breakage Yes:\_**X**\_ No:\_\_\_\_
67. Strobe light shall be wired to operate independently with dash switch
68. **SAFETY ITEMS**
69. Fire Extinguisher: one (1) per bus, 5lbs with hose and current year inspection tag
70. Idaho first aid kit, metal box
71. Idaho body fluids clean-up kit, metal box
72. Triangle warning devices
73. Backing horn mounted in rear bumper area of the bus 112 dB minimum rating
74. Seat belt cutter having a full width handgrip
75. Manual noise suppression switch installed in the control panel. Shall be labeled and alternately colored and control items specified in SISBO.
76. **SCHOOL BUS SIGN**
77. Reflective “SCHOOL BUS” decal on front and rear
78. 1” reflective material outlined around all exits as required
79. 2” reflective material outlined around the rear and sides of bus as required
80. **SEATS**
	1. All class A school buses shall have seats installed that meet all State and Federal standards.
	2. The first two rows in the front may be equipped with Integrated Child Restraint Seats (C.E. White or equivalent), Yes:\_**X**\_ No:\_\_\_
81. **SERVICE DOOR**
82. Service door with emergency opening capability
83. Outward opening split type door
84. Exterior landing light mounted immediately behind step well
85. Handrail(s) at front entrance door to extend to bottom step
86. **SHOCK ABSORBERS**
87. Direct acting, double action piston type
88. **STEERING**
89. Multi tilting
90. Telescopic

1. **STOP ARM**
2. Stop arm, with LED strobe light
3. Wind Guard
4. **TRANSMISSION**
5. 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.
6. **WHEEL and TIRES**
7. The chassis shall be equipped with six (6) wheels and rims. Wheels (rims) shall be gray or black.
8. **WINDOWS**
9. Passenger and rear windows
10. **WINDSHIELD**
11. Windshield will be tinted with shaded band at top.
12. Electric windshield wipers, with single switch with washers
13. Bottled windshield washer fluids storage and dispersal system
14. **DELIVERY**
15. Buses shall be delivered prior to \_\_\_\_\_\_\_\_\_\_\_
16. Delivery point of\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ School District

**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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Fax: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company Federal Tax ID # \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SAFETY OPTIONS REQUIRING PRE-APPROVAL/ SDE SUPPORTED**

1. Additional Integrated Child Restraint Seats and include ISO LATCH attachments Addition number required \_\_\_\_\_\_ or all seats \_\_\_\_\_
2. Air conditioning vest. Yes\_\_\_
3. Alternative fuel liquefied petroleum gas engine-propane-LPG engine Yes\_\_\_
4. Flat floor Yes\_\_\_
5. Front bumper mounted student crossing arm Yes\_\_\_
6. Full track seating, (30 pass basic bus), Yes\_\_\_, Specify:\_\_\_
7. Heated entry steps Yes \_\_\_
8. Passenger seat belts, flex seat:\_\_\_, # of seats:\_\_\_
9. Passenger three point seat belts, flex seat:\_\_\_, regular seat:\_\_\_, # of seats:\_\_\_
10. Roof mounted air deflector Yes \_\_\_
11. Track seating per station Yes \_\_\_ Specify\_\_\_\_
12. 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.

**ADDIONAL OPTIONS DISTRICT SUPPORTED (NONREIMBURSABLE)**

1. Air conditioning, Yes:\_\_\_
2. Ceiling hatch power vents, Yes:\_\_\_
3. Cove molding floor to wall, Yes:\_\_\_
4. Cruise control, Yes:\_\_\_
5. Diagnostic program, Yes:\_\_\_
6. Fenderettes, Yes:\_\_\_
7. Hand rail, colored, Yes:\_\_\_
8. Interior LED passenger lights, Yes:\_\_\_\_
9. Keys, common, Yes:\_\_\_
10. Keys, number required per bus\_\_\_\_
11. Laptop computer, Yes:\_\_\_
12. Light monitor, (16) light system, Yes:\_\_\_\_
13. Lights, fog, Yes:\_\_\_\_
14. Passenger surveillance systems with more than four cameras Yes\_\_\_ total numbers of camera(s) \_\_\_, location:\_\_\_\_\_\_\_
15. Rear motorist alert display, Yes:\_\_\_\_
16. Seating, fire block in-lieu of standard seat, Yes:\_\_\_
17. Step well tread, pebble tread, Yes:\_\_\_
18. Storage, above driver left side, Yes:\_\_\_
19. Storage cargo, Yes:\_\_\_
20. Storage, overhead compartments for emergency equipment: Yes:\_\_\_
21. Tinted passenger and rear windows glass, Yes:\_\_\_\_
22. Tire chains:\_\_\_ Cables:\_\_\_ Yes:\_\_\_
23. Trash container, removable in drivers area, Yes:\_\_\_
24. Turn signal lenses shall have arrows on rear, Yes:\_\_\_\_
25. Vandal key lock entrance door, Yes:\_\_\_
26. Vandal lock, rear door with ignition interrupter, key lock: Yes\_\_\_, dead bolt, Yes:\_\_\_
27. White roof, Yes:\_\_\_\_
28. Winter front, Yes:\_\_\_

**NON-REIMBURSEABLE EXTENDED ENGINE WARRANTIES**

1. 5 year 150,00 miles extended any major component
2. 7 year 150,000 miles extended coverage
3. 7 year 150,000 miles extended any major component
4. 10 year 200,000 miles extended coverage
5. 10 year 200,000 miles extended any major component

 REV. 5/27/15