**CONVENTIONAL SCHOOL BUS SPECFICATIONS**

1. **GENERAL SPECIFICATIONS / CONSTRUCTION EXTERIOR DESIGN**
2. Date:\_**6/1/15**\_\_
3. This invitation to bid encompasses the furnishing of conventional 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 C
12. Number of buses: \_**0**\_
13. New model conventional school bus seating capacity: **(see schedule A)**
14. Four (4) rub rails painted black.
15. Heavy duty steel front and rear black colored bumper that is braced to allow vehicle to be jacked up by using just the bumper.
16. Mud flaps required except when not provided as an option by manufacturer.
17. Tow hooks front and rear.
18. **AIR CLEANER**
19. Air cleaner with air restriction indicator, (site gauge)

1. **ALTERNATOR**
2. 200 AMP minimum, (240 AMP w/lift), Specify:\_\_\_\_\_ AMP
3. **AXLES**
4. Front axle: recommended by manufacture/dealer, Specify:\_\_\_\_
5. Rear axle: recommended by manufacture/dealer, Specify:\_\_\_\_
6. Oil Bath Hubs
7. Rear End Ratio: Manufacture/dealer recommended, Specify:\_\_\_\_\_\_
8. **BATTERY**
9. Stud post maintenance free, manufacture/dealer recommended: # Batteries: \_**2**\_, Group:\_**31**\_\_, CCA:\_**900**\_ each minimum
10. Battery tray to include heavy duty roller ball bearings for operational ease
11. Battery master shut off/disconnect switch\excluded for hydraulic brakes
12. **BRAKES**
13. Air Drum:\_\_\_\_ Air Disk:\_**X**\_ Hydraulic Disk:\_\_\_\_\_
14. AD-9 Air Dryer or equivalent with heater, (N/A hydraulic)
15. Air tanks are to equipped with automatic moisture ejectors, (N/A hydraulic)
16. Auto slack adjuster, (drum brakes), (N/A air disk)
17. Antilock Brake System
18. **DRIVER’S SEAT**
19. Seatbelt including a shoulder harness with 7” height adjustment
20. High back seat
21. Upholstery, Cloth:\_**X**\_ Vinyl:\_\_\_\_
22. Dual folding arms on driver’s seat if available from manufacture
23. Adjustment up and down, tilt back, Air:\_**X**\_ Manual:\_\_\_\_
24. **EMERGENCY EXIT**
25. Push Out windows each side of bus as required by SISBO
26. Roof mounted escape hatches as required by SISBO
27. Rear Door: Upper and lower glass
28. **ENGINE**
29. Diesel powered with minimum 200 HP, Specify:\_\_\_\_\_
30. Engine shall be certified to meet all current State and Federal “Clean Air” specifications
31. Engine block heater, minimum 750 watts
32. High water temp/low oil pressure warning light/buzzer
33. Road speed will be set to a maximum of 65 MPH
34. Turbo exhaust brake standard
35. **FUEL TANK**
36. 60 gallon, Specify:\_\_\_\_\_
37. Filler tube on right side of bus with exception of lift bus
38. Fuel filter-water separator with heater
39. Locking fuel door, Yes\_\_\_\_ No \_**X**\_
40. **HEATERS / VENTILATION**
41. Front defroster/heater system as provided by manufacture
42. Stepwell heater, Yes:\_**X**\_ No: \_\_\_\_
43. Single fan midship heater, Yes:\_\_\_\_ No:\_\_\_\_

Double fan midship heater, Yes: \_**X**\_ No: \_\_\_\_ (included in state basic bus)

1. Single fan rear heater, Yes:\_\_\_\_ No:\_\_\_\_

Double fan rear heater, Yes: \_**X**\_ No: \_\_\_\_ (included in state basic bus)

1. Filters on all heaters, Yes:\_**X**\_ No: \_\_\_\_
2. Two 6” windshield defog fans with separate switches
3. Auxiliary heater 42,000 BTU or equivalent utilizing the same type fuel as specified for the vehicle engine and shall be connected to the engine coolant system.
4. **INTERIOR DESIGN**
5. Barrier on driver’s side and passenger side with a kick/modesty panel installed between the bottom of the barrier and the floor.
6. Driver’s dome light with separate switch wired for use without ignition switch.
7. Empty/passenger bus check system, Yes\_**X**\_ No:\_\_\_
8. Flooring, color: \_**Black**\_
9. Four camera surveillance system
10. High/Low idle switch mounted on dash
11. Instruments – Speedometer, tachometer, odometer, voltmeter, oil pressure gauge, water temperature gauge, fuel gauge, transmission temperature gauge, brake air pressure gauge (air brakes), brake indicator lamp (vacuum/hydraulic brakes), or brake indicator lamp (hydraulic/hydraulic), DEF gauge (Diesel Exhaust Fluid), upper headlamp beam indicator, turn signal indicator
12. Interior side panels to be aluminized, scratch resistant or equivalent
13. Marine grade C-D 5/8” 5 layer plywood flooring for insulation, Specify: \_\_\_
14. Power port in drivers area
15. Two (2) rows of interior lights, five (5) minimum per row
16. **LIGHTS**
17. Daytime running lights wired to the park brake to illuminate when the ignition is turned on. Allows the vehicle to operate in “lights on” condition at all times without driver input.
18. Halogen, dual headlights
19. Halogen or LED, exterior door light
20. All other exterior lighting to be LED
21. Two back-up lights maximum
22. **MIRROR SYSTEM**
23. Driver’s view of mirrors through windshield shall be unobstructed
24. Crossover mirror system, heated
25. Drivers interior mirror shall be clear-view laminated glass mirror to be 6” x 30” Specify:\_\_\_\_\_\_\_, with sun visor
26. All exterior side mirrors will be heated and remotely controlled
27. **NOISE REDUCATION**
28. Ceiling noise reduction complete bus acoustical ceiling
29. **NUMBERS and LETTERING**
30. District name and number in belt line
31. Lettering shall be 6”
32. 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.
33. Numbers will be coordinated through the Transportation Supervisor prior to construction of the buses.
34. **RADIO SYSTEM**
35. Two way radio
36. AM/FM radio with PA and clock to be installed in driver compartment
37. Maximum number of internal speakers to accommodate the AM/FM radio and Public Address System
38. External speaker for PA
39. **RADIATOR**
40. Radiator site glass or overflow tank
41. Radiator hoses to be high quality rubber
42. **ROOF**
43. Roof mounted white strobe light on rear of bus with a protective guard to deter breakage Yes:\_**X**\_ No:\_\_\_\_
44. Strobe light shall be wired to operate independently with dash switch
45. **SAFETY ITEMS**
46. Fire Extinguisher: one (1) per bus, 5lbs with hose and current year inspection tag
47. Idaho first aid kit, metal box
48. Idaho body fluids clean-up kit, metal box
49. Triangle warning devices
50. Backing horn mounted in rear bumper area of the bus 112 dB minimum rating
51. Seat belt cutter having a full width handgrip
52. Manual noise suppression switch installed in the control panel. Shall be labeled and alternately colored and control items specified in SISBO.
53. **SCHOOL BUS SIGN**
54. Reflective “SCHOOL BUS” decal on front and rear
55. 1” reflective material outlined around all exits as required
56. 2” reflective material outlined around the rear and sides of bus as required
57. **SEATS**
    1. Minimum seat space: 26”, Specify seat spacing:\_\_\_\_\_
    2. All seat cushion depth will be a minimum of 15”
    3. All seat backs will be 24” above the seating reference point
    4. Integrated child restraint seats and include LATCH attachments in first two rows,

Yes:\_**X**\_ No:\_\_\_\_.

* 1. Seat upholstery color, Specify:\_**Gray**\_

1. **SERVICE DOOR**
2. Service door with emergency opening capability, Air:\_**X**\_ Electric:\_\_\_
3. Outward opening split type door
4. Exterior landing light mounted immediately behind step well
5. Handrail(s) at front entrance door to extend to bottom step
6. **SHOCK ABSORBERS**
7. Direct acting, double action piston type
8. **STEERING**
9. Multi tilting
10. Telescopic

1. **STOP ARM**
2. Stop arm, with LED strobe light, Air:\_**X**\_ Electric:\_\_\_\_
3. Wind Guard
4. **SUSPENSION**
5. Front suspension manufacture/dealer recommendation, Springs, Specify:\_\_\_\_\_,
6. Rear suspension manufacture/dealer recommendation, Springs, Specify:\_\_\_\_\_, Air ride, Yes:\_**X**\_ No:\_\_\_
7. **TRANSMISSION**
8. Manufacture/dealer recommended, Specify:\_\_\_\_\_\_\_\_\_\_\_
9. Transmission must have synthetic fluid if available from manufacture
10. **WHEEL and TIRES**
11. 22.5” x 8.25” wheels
12. Hub piloted bud disc wheels
13. R- 22.5 radial tire – 16 ply traction rear, hwy front
14. Spare tire and wheel, hwy, (compatible)
15. **WINDOWS**
16. Driver’s side window: two (2) piece sliding-sash type tempered
17. Frost free glazing for driver window, service door, and first two passenger windows on right side, Yes:\_**X**\_
18. **WINDSHIELD**
19. Windshield will be tinted with shaded band at top.
20. Windshield steps and handles
21. Electric windshield wipers, with single switch with washers
22. Bottled windshield washer fluids storage and dispersal system
23. **DELIVERY**
24. Buses shall be delivered prior to \_**N/A**\_
25. Delivery point of\_\_\_\_\_\_\_\_\_\_\_\_\_**N/A**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 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 compressed natural gas engine-CNG engine Yes\_\_\_
4. Alternative fuel liquefied petroleum gas engine-propane-LPG engine Yes\_\_\_
5. Automatic chains Yes\_\_\_
6. Driver’s side window sun visor Yes\_\_\_\_
7. Electromagnetic driveline retarder Yes\_\_\_
8. Flat floor Yes\_\_\_
9. Front bumper mounted student crossing arm Yes\_\_\_
10. Full track seating, 72 pass., Yes\_\_\_, Specify:\_\_\_
11. Heated entry steps Yes \_\_\_
12. Passenger lap seat belts, flex seat:\_\_\_, regular seat:\_\_\_, # of seats:\_\_\_
13. Passenger three point seat belts, flex seat:\_\_\_, regular seat:\_\_\_, # of seats:\_\_\_
14. Roof mounted air deflector Yes \_\_\_
15. Second stop arm – left side rear Yes \_\_\_
16. Track seating per station Yes \_\_\_ Specify\_\_\_\_
17. 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. Driver’s seat belt, high visibility, Yes:\_\_\_\_
7. Driver’s seat, heated, Yes:\_\_\_
8. Fenderettes, Yes:\_\_\_
9. Foot petals, adjustable, Yes:\_\_\_\_
10. Hand rail, colored, Yes:\_\_\_
11. Interior LED passenger lights, Yes:\_\_\_\_
12. Keys, common, Yes:\_\_\_
13. Keys, number required per bus\_\_\_\_
14. Laptop computer, Yes:\_\_\_
15. Light monitor, (16) light system, Yes:\_\_\_\_
16. Lights, fog, Yes:\_\_\_\_
17. Passenger surveillance systems with more than four cameras, Yes\_\_\_ total numbers of camera(s) \_\_\_, location:\_\_\_\_\_\_\_
18. Rear motorist alert display, Yes:\_\_\_\_
19. Seating, fire block in-lieu of standard seat, Yes:\_\_\_
20. Steering, telescoping, Yes:\_\_\_
21. Step well tread, pebble tread, Yes:\_\_\_
22. Storage box lights, Yes:\_\_\_
23. Storage cargo, Yes:\_\_\_ Amount/Location:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
24. Storage, above driver left side, Yes:\_\_\_
25. Storage, overhead compartments for emergency equipment, Yes:\_\_\_
26. Suspension, front, Air ride, Yes:\_\_\_\_
27. Tinted passenger and rear windows glass, Yes:\_\_\_\_
28. Tire chain box, Yes:\_\_\_ Location:\_\_\_\_\_\_\_\_\_\_\_\_\_\_
29. Tire chains:\_\_\_ Cables:\_\_\_ Yes:\_\_\_
30. Tool box under bus, Yes:\_\_\_
31. Trash container, removable in drivers area, Yes:\_\_\_
32. Turn signal lenses shall have arrows on rear, Yes:\_\_\_\_
33. Vandal key lock entrance door, Yes:\_\_\_
34. Vandal lock, rear door with ignition interrupter, key lock, Yes:\_\_\_, dead bolt, Yes:\_\_\_
35. White roof, Yes:\_\_\_\_
36. 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