

City of Salem



## Invitation for Bids

S-07

### **77 Passenger Bus**

July, 25, 2016

**BIDS DUE:**

**August 9, 2016, 11:00 AM**

\*Late bids will be rejected

Whitney C. Haskell  
Purchasing Agent  
93 Washington Street, 2<sup>nd</sup> Floor  
Salem, MA 01970  
[whaskell@salem.com](mailto:whaskell@salem.com)  
(978) 619-5695

**77 PASSENGER BUS  
S-07  
COVER SHEET**

Proposer:	<hr/>			
Street Address:	<hr/>	<hr/>	<hr/>	<hr/>
	(Number and Street)	(City)	(State)	(Zip)
Taxpayer Identification No:	<hr/>		<hr/>	
	(Social Security Number)		(Federal Identification Number)	
Contact Name:	<hr/>			
Telephone:	<hr/>			
Email Address:	<hr/>			
Fax:	<hr/>			
Authorized Signature:	<hr/>			
Name:	<hr/>			
Title:	<hr/>			
Date:	<hr/>			

**77 PASSENGER BUS**

**S-07**

**CHECKLIST**

**Submission Requirements:**

☒ **Please Check:**

☐ Completed Cover Sheet

☐ Bid Form

☐ Specification Checklist

☐ Signed Certificate of Non-Collusion

☐ Signed Tax Compliance Certification

☐ Certificate as to Corporate Bidder

☐ Acknowledgement of Addenda: \_\_\_\_\_ *(if applicable)*  
(#s)

**77 PASSENGER BUS  
S-07  
BID FORM**

Bidder agrees to furnish and deliver the vehicle described in these specifications for the total price of:

\$ \_\_\_\_\_

(figures)

\_\_\_\_\_ DOLLARS AND \_\_\_\_\_

\_\_\_\_\_ CENTS.

(written)

\_\_\_\_\_  
SIGNATURE OF AUTHORIZED REPRESENTATIVE

\_\_\_\_\_  
NAME (PRINTED)

\_\_\_\_\_  
DATE

**77 PASSENGER BUS  
S-07  
CERTIFICATIONS**

**FORM A  
NON-COLLUSION**

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals.

\_\_\_\_\_  
(Signature of authorized individual submitting proposal)

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
(Name of Bidder)

\_\_\_\_\_  
(Federal Tax Identification or Social Security Number)

\_\_\_\_\_  
(Date)

**FORM B**  
**TAX COMPLIANCE**

Pursuant to M.G.L. c. 62C, §49A, I certify under the penalties of perjury that, to the best of my knowledge and belief, I am in compliance with all laws of the Commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

\_\_\_\_\_  
(Signature of authorized individual submitting proposal)

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
(Name of Bidder)

\_\_\_\_\_  
(Federal Tax Identification or Social Security Number)

\_\_\_\_\_  
(Date)

**FORM C**  
**CORPORATE BIDDER *(if applicable)*:**

I, \_\_\_\_\_ certify that I am the \_\_\_\_\_ of the corporation named as Bidder in the Bid included herein, that \_\_\_\_\_, who signed said Bid on behalf of the Bidder was then \_\_\_\_\_ of said corporation, that I know his signature, that his signature thereon is genuine and that said Bid was duly signed, sealed and executed for and in behalf of said corporation by authority of its governing body.

(Corporate Seal)

\_\_\_\_\_  
(Secretary-Clerk)

\_\_\_\_\_  
(Signature of authorized individual submitting proposal)

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
(Name of Bidder)

\_\_\_\_\_  
(Federal Tax Identification or Social Security Number)

\_\_\_\_\_  
(Date)

## **PART 1. GENERAL INFORMATION**

### **1.1 PROCUREMENT DESCRIPTION**

The Salem School Department is seeking bids for a 77-passenger bus as described herein.

### **1.2 APPLICABLE LAW**

This procurement will be conducted pursuant to Massachusetts General Laws Chapter 30B, Section 5.

### **1.3 APPROVAL**

Any contract that may result from the procurement shall be subject to the approval of the Mayor of the City of Salem.

### **1.4 INCORPORATION BY REFERENCE**

All requirements, specifications, terms and conditions described in this Invitation for Bids shall be incorporated by reference into any contract that may result.

### **1.5 TIME FOR AWARD**

Any contract that may result from the procurement shall be awarded within thirty (30) days after the bid opening. The time for award may be extended for up to 45 days by agreement between the City and apparent low bidder.

### **1.6 RIGHT TO CANCEL/REJECT**

The City reserves the right to cancel this Invitation for Bids or reject in whole or in part any and all bids if the City determines that cancellation or rejection serves the best interests of the City.

### **1.7 TAXATION**

Purchases made by the City are exempt from the payment of Federal excise tax and the payment of Commonwealth of Massachusetts sales tax and any such taxes must not be included in the bid pricing.

Copies of the City's tax exempt paperwork shall be available upon request of the selected contractor.

### **1.8 OBTAINING THE INVITATION FOR BIDS**

The Invitation for Bids shall be available beginning, Monday, July 25, 2016.

The Invitation for Bids and related documents shall be available for free download from the City's Purchasing Department website at <http://www.salem.com/purchasing> under "Open Procurements."



Hardcopies of the Invitation for Bids and related documents may be obtained at the Office of the Purchasing Agent, 93 Washington Street, 2<sup>nd</sup> Floor, Salem, MA 01970, between the hours of 8:00 AM-4:00 PM on Monday-Wednesday, 8:00-7:00 PM on Thursday, and 8:00 AM-12:00 PM on Friday.

## **PART 2. INSTRUCTIONS TO BIDDERS**

### **2.1 REQUIREMENTS AND SUBMISSIONS**

Below please find a description of the requirements and submissions that must be included as part of a bid. Bids must be sealed and marked as noted.

#### **2.1.1 BID PRICING FORM**

Every bid must include a completed 'Bid Form'. See attached. All material, equipment and labor is F.O.B. City of Salem.

#### **2.1.2 NON-COLLUSION**

Every bid must include a certification of good faith, certifying that the bid was made in good faith and without collusion or fraud. See 'Non-Collusion Form' attached.

#### **2.1.3 TAX COMPLIANCE**

Every bid must include a written certification that the bidder has complied with all state laws relating to taxes, reporting of employees and contractors, and child support. See 'Tax Compliance Form' attached.

#### **2.1.4 CORPORATE BIDDER**

If the bid is being submitted by a corporation, the bid must include a certification that the individual submitting the bid has been authorized to bind the corporation. See 'Certificate of Corporate Authority' attached.

### **2.2 BID DELIVERY**

Below please find a description of the manner in which sealed bids must be submitted.

#### **2.2.1 DUE DATE AND TIME**

Bids shall be received by the Office of the Purchasing Agent on or before **11:00 AM, August 9, 2016**.

Any bid received after that time shall be rejected as non-responsive.

#### **2.2.2 ADDRESS**

Sealed bids shall be delivered to the Office of the Purchasing Agent, 93 Washington Street, 2<sup>nd</sup> Floor, Salem, MA 01970.

#### **2.2.3 HOURS OF OPERATION**

Bids must be delivered during the normal hours of operation of the City of Salem:

Monday-Wednesday: 8:00 AM-4:00 PM

Thursday: 8:00 AM-7:00 PM  
Friday: 8:00 AM-12:00 PM

#### 2.2.4 COPIES

Bidders must submit one (1) original and one (1) copy of the bid.

#### 2.2.5 LABELING

The outside of the envelope containing the sealed bid must be labeled with 1) the bid number 2) the bid opening date and time and 3) the name of the bidder.

### 2.3 SIGNATURES

A bid must be signed as follows: 1) if the bidder is an individual, by her/him personally; 2) if the bidder is a partnership, by the name of the partnership, followed by the signature of each general partner; and 3) if the bidder is a corporation, by the authorized officer, whose signature must be attested to by the clerk/secretary of the corporation, and with the corporate seal affixed.

### 2.4 QUESTIONS, CHANGES, MODIFICATIONS AND WITHDRAWALS

#### 2.4.1 QUESTIONS/REQUESTS FOR CLARIFICATION

Questions concerning this Invitation for Bids must be submitted in writing to: Whitney Haskell at [whaskell@salem.com](mailto:whaskell@salem.com) at least five (5) days prior to the bid opening date. Written responses will be mailed to all bidders on record as having picked up the Invitation for Bids.

#### 2.4.2 CHANGES

If any changes are made to this Invitation for Bids, addenda will be issued. Addenda will be posted in the Office of the Purchasing Agent, on the website and e-mailed to all bidders on record as having picked up the Invitation for Bids.

#### 2.4.3 MODIFICATIONS AND WITHDRAWALS

A bidder may correct, modify, or withdraw a bid by written notice received by the City of Salem prior to the time and date set for bid opening.

Modifications must be submitted in a sealed envelope clearly labeled "Modification No.\_\_\_\_" to the address listed in part one of this section. Each modification must be numbered in sequence, and must reference the Invitation for Bids.

After the bid opening a bidder may not change any provision of the bid in a manner prejudicial to the interests of the City or fair competition. Minor informalities will be waived or the bidder will be allowed to correct them. If a mistake and the intended bid are clearly evident on the face of the bid document, the mistake will be corrected to reflect the intended correct bid, and the bidder will be notified in writing; the bidder may not withdraw the bid. A bidder may withdraw a bid if a mistake is clearly evident on the face of the bid document, but the intended correct bid is not similarly evident.

### 2.5 UNFORESEEN OFFICE CLOSURES

If, at the time of the scheduled bid opening, 93 Washington Street, 2<sup>nd</sup> Floor, Salem, MA 01970, is closed due to uncontrolled events such as fire, snow, ice, wind, or building evacuation, the bid opening will be postponed until 2:00 PM on the next normal business day. Bids will be accepted until that date and time.

## **2.6 BID OPENING PROCEDURE**

At the time and place fixed for opening of bids, the City will cause to be opened and publicly read aloud every bid received within the time set for receiving bids, irrespective of any irregularities therein. Bidders and other persons properly interested may be present, in person or by representative.

## PART 3. SPECIFICATIONS

### 3.1 SPECIFICATIONS

#### TYPE “C” CONVENTIONAL CHASSIS SPECIFICATION 2017 or NEWER 77 Passenger

1. AIR CLEANER: dry type with easily changeable element
2. AIR RESTRICTION INDICATOR: indicator installed to monitor airflow from cleaner to engine.
3. AIR DRYER AD-IP
4. ALTERNATOR: **320 amp** Leece-Neville or equal
5. AXLE, FRONT: **12,000** pounds Meritor with Petroleum Lubrication Oil
6. AXLE, RATING: front axle rated @ 8.500 pounds with Petroleum Lubrication Oil
7. AXLE, REAR: **23,000** Pounds Meritor 5.38 gear ratio
8. BATTERIES: Three Group 31 Batteries 3375 CCA, located on left side of body on slide out tray, with switch disconnect located in battery compartment.
9. BACKING SAFETY HORN: 112db activated when bus in reverse gear.
10. BRAKES: Hydraulic with ABS, Performance Friction Rotors and Dust Shields
11. Brakes (Emergency/Parking): Lever operated mounted on floor.
12. BUMPERS: front and rear, minimum 3/1 6-inch steel painted black. Rear bumper to be extended 2 inches. Rear bumper to have double A frame bracing, BOLTED to frame, 12” after form, (welding not acceptable)
13. BUMPER, REAR: designed to prevent damage to all directional lights, backup lamps and school warning lamps.
14. BUMPERS: Heavy duty construction to be provide capability of lifting bus with a bumper jack
15. Circuit Breaker Chassis
16. Controls (at driver)
  - Key type starter, Keyed Alike
  - Hazard switch on steering column
  - Self canceling turn signal with indicator lights
  - Rheostat dash dimmer on headlight switch
  - Dash mounted transmission shifter
  - Rocker switches
17. COOLING SYSTEM: charge air cooler 709 sq. in mounted in front of coolant radiator 777 sq. in with constant torque clamps.
18. System must have long-life antifreeze rated —40F,
19. COOLING FAN: **fully on-fully off** thermostatically controlled fan clutch.
20. COOLING SYSTEM, HOSES: All cooling hoses shall be rubber with constant torque
21. DASH: Drivers dash with individual gauges
22. DAYTIME RUNNING LIGHTS: required
23. DIGITAL CLOCK: installed within driver’s view

24. DRIVELINE: steel drive shafts, minimum of 4". Each shaft to be balanced prior to installation.
25. DRIVELINE: protective drive line guards to be installed on each section.
26. ENGINE: **220 HP CUMMINS Inline** 6-cylinder diesel, must be fully 2013 EPA emissions compliant
27. ENGINE: Diesel Exhaust Fluid tank capacity to the 15 Gallon minimum.
28. ENGINE: Fully electronically controlled with heater intake grid for easy starting and reduced emissions.
29. ENGINE PAINT: Engine shall be painted to provide for mechanic's visual inspection for leaks.
30. ENGINE, WARRANTY: 5 years
31. ENGINE: high idle and throttle electronically controlled
32. ENGINE, Governor set to 75MPH
33. ENGINE HOOD: In height *for* easy access for driver
34. EXHAUST SYSTEM: single horizontal system 3 inches in diameter. 16 gauge from manifold to muffler.
35. EXHAUST: Stainless Steel 16-gauge tailpipe 4 inches in diameter routed to rear of bus, pipe hangers to be spring steel with rubber isolators. All clamps to wide band design. The tailpipe shall exit rear through bumper
36. FRAME: 50,000 PSI rails
37. FUEL SYSTEM: 100 gallons between frame rail tank, for maximum safety and best weight distribution for winter operation. **SIDE MOUNT TANK NOT ACCEPTABLE**
38. FUEL SYSTEM: fuel sender inspection plate and locking fuel fill door.
39. FUEL SYSTEM FILTERS: **Racor 490R30** Heated water and fuel separator with 200-watt heater, 30-micron filter.
40. GVW 31,500 lbs. minimum
41. HORN: Dual electric horn, protected from direct splash
42. INSTRUMENTS: Complete array of individual gauges required: voltmeter, speedometer w/ seven digits, odometer, fuel gauge, oil pressure gauge, coolant temperature gauge dual air pressure gauges, tachometer, engine hour meter, engine warning system for low oil pressure or high temperature, lighted message bar? buzzer to "check gauges", Ammeter, Transmission Temperature Gauge.
43. MANUALS: complete body and chassis service manuals along with complete parts catalog shall be provided. **DATA MUST INCLUDE WARRANTIES ON MAJOR CHASSIS COMPONENTS.**
44. PAINT: the chassis, frame, bumpers, wheels and rub rails shall be painted black
45. SHOCK ABSORBERS: Front and rear double-action shock absorbers compatible with manufacturer's rated axle capacity at each wheel location
46. SUSPENSION FRONT: 8,500 lbs. Spring
47. SUSPENSION REAR: 17,000 lbs. Spring
48. STEERING: Ross TAS-65 or equivalent with integral design, powers unit mounted directly to steering column with one-piece drag link.
49. STEERING: Power steering pump shall be gear driven
50. STEERING: two spoke, padded tilt/telescoping

51. STEERING: Tilt/telescoping steering wheel,
52. TIRES, **Hankook or equal 11R22.5** highway tread on front, traction tread on rears.
53. TIRE, SPARE Highway tread spare mounted and balanced
54. TOW HOOKS: front & rear tow hooks
55. TRANSMISSION: Allison 2500 PTS electronic transmission with five forward speeds and TRANSYND synthetic lubricant. TRANSMISSION, WARRANTY: 5 years
56. TRANSMISSION COOLER: **Separate transmission** oil cooler with minimum heat exchange capacity of **1535 BTUs**.
57. VALVES: heater water shut off valves located in engine compartment to isolate hot water from the body.
58. VALVE: heater water regulator valve accessible to the seated driver to regulate hot water flow to the body.
59. WHEELBASE: 189 inches' maximum
60. WHEEL CUT, 50 degree or better
61. WHEELS: Hub piloted 10 stud disc wheels painted black. "BUIY" style ball and seat wheels. 8.25/22.5
62. WINDSHIELD FLUID RESEVOUR located so it can be accessed and filled easily from ground level.
63. WIRING: all chassis wiring shall be color and number coded in regular intervals. Easy access to chassis wiring terminal and fuses shall be provided.

### **TYPE "C" CONVENTIONAL BODY SPECIFCATION**

Note: Vehicle bid must meet FMVSS 221, joint strength for bus body construction

1. ACCESSORY POWER SOCKET: 12-volt power provided in dash area for cellular telephone, socket to include protective rubber cap
2. Air Conditioning, 2 Evaporators, front and rear mounted, 3 fan condenser, skirt mounted. 1 10,000BTU minimum,
3. AUXILIARY FANS; one six-inch fan with protective **metal** guard mounted top dead center over the windshield and one mounted left of driver controlled by a two speed switch
4. ACOUSTIC HEADLINER, Driver's and first body section
5. AIR INTAKES: dual fresh air intakes at right and left sides, one to provide fresh dry air to the defroster system, one to provide fresh air to the driver. Driver's fresh air vent shall be easily reached by seat driver
6. BATTERY COMPARTMENT: under floor battery compartment with sliding tray with captive pin for batteries. Locking Door
7. BODY CONSTRUCTION: shall meet or exceed requirements of FMVSS 221, JOINT STRENGTH.  
BODY CONSTRUCTION: Shall meet Colorado Rack Test and bidder shall provide proof from the manufacturer in the bid documents.
8. BODY CONSTRUCTION: floor construction to meet FMVSS 221 constructed of 14-gauge galvanized steel.

9. BODY CONSTRUCTION, RUB RAILS: 4-die formed 16-gauge steel protective rails, one beneath the windows, one at the seat level, one at the floor level, and one located at the bottom of the skirt (snow rail).
10. BODY CONSTRUCTION: The SEAT RAIL (at the seat level) must run around the rear of the bus to the emergency door.
11. BODY CONSTRUCTION: Snow rail must run the full length of the bus except at wheelhouses.
12. BODY SHEETMETAL: all exterior steel shall be mill applied zinc coated, treated with electrodeposited prime, e-coated with rust resistant bonding zinc after fabrication and before assembly using **20-gauge fluted side panels**
13. BODY SHEET METAL: embossed rain visors over each passenger window and driver's sash.
14. BODY SHEET METAL: all interior panels shall be RIVITED except where screws are placed in wired duct for access to wiring harness.
15. BODY UNDERCOATING: Upgrade undercoat option including fuel tank. The entire body shall be fully undercoated BEFORE mounting on the chassis for complete and effective coverage.
16. RUBBER CHOCKS to be provided and secured.
17. COMPARTMENT, document mounted on barrier behind driver
18. COMPARTMENT: locking glove compartment in dash.
19. DEFROSTER: 90,000 BTU's full length fixed outlets including driver's sash with nozzles directed at the entrance door. In addition, a 50,000BTU step well heater required. Controls shall allow the driver to direct 100% of airflow to the windshield or passenger area. Easily accessed and easy to clean.
20. DOOR, ENTRANCE: Manually operated outward opening entrance door with clear glass upper and lower, keyed security lock and outside release. Air or electric doors are not acceptable.
21. DOOR, EMERGENCY: a rear emergency door located in the center with upper and lower tinted glass
22. DOOR, EMERGENCY: dual hinges with grease fittings for lubrication
23. DOOR, EMERGENCY: a sliding VANIJAL lock shall be wired to the ignition to disable the bus when the door is locked.
24. DOOR, EMERGENCY: the door when opened shall activate a D.O.T. buzzer.
25. DOOR, EMERGENCY: A retainer to hold the door open in a 90-degree angle is required
26. Driver's area insulated
27. EMERGENCY ROOF HATCHES: Two Specialty Pop up roof hatches with buzzer installed in compliance with FMVSS 217.
28. EMERGENCY WINDOWS: Two emergency push out windows per side with front vertical hinges shall be installed equally throughout the bus body in accordance with FMVSS 217. Emergency windows shall have tampering buzzers.
29. ENGINE COMPARTMENT: Shall be fully insulated to reduce heat and noise in the engine compartment.
30. FENDERETTES, Rear Wheels to have rubber fenders
31. FLAPS: front and rear 11 length mud flaps are required



32. FLOOR COVERING: **5/8 inch AR Marine Grade** plywood **SCREWED DOWN**
33. FLOOR COVERING: GREY RUBBER floor covering with ribbed aisle. Molded rubber covering over each wheelhouse.
34. FLOOR COVERING, STEP WELL: ribbed rubber. Step noses to be white, top step to have white rubber wear plate.
35. FUEL SENDER INSPECTION PLATE: to provide access to fuel tank sender
36. FUEL DOOR: Spring loaded door with
37. HEADER PADS: located over all doors, 4-inch minimum
38. HEADROOM: **77 inches** over plywood and floor covering measured in aisle between passenger seats.
39. HEATING SYSTEM: plumbing to all heaters routed to provide hot water to defroster first for maximum safety and visibility. Hi-miler heater hoses with constant torque clamps required.
40. HEATING SYSTEM; 50,000 BTU Stepwell heater. Convection Baseboard in body. Baseboard heat shall be regular option that is engineered and installed at the manufacturer. upfiter, aftermarket or dealer installs are not acceptable
41. HEATER REGULATOR VALVE: valve to control flow of hot water into the bus body shall be accessible to the seated driver without opening the engine compartment hood.
42. INSULATION: body and roof bows to be completely insulated with 1 ½ inch R 5.75 insulation.
43. LETTERING: all vinyl lettering to be applied per Salem Public School's requirements, in accordance with state and federal requirements. Lettering and bus numbers to be determined at time of order
44. LIGHTS, SCHOOL WARNING: SCHOOL WARNING LAMPS: LED Eight-way school warning lamps. Lights shall be wired non-sequentially. A WELDON solid-state flasher with ten-year warranty.
45. LIGHTS, WARNING: black hoods with black paint surround
46. LIGHTS, DAYTIME RUNNING: front and rear daytime running lights required
47. LIGHTS, HEADLAMPS: Halogen
48. LIGHT: Boarding light mounted on the exterior next to entrance door. LED
49. LIGHTS, SIDE DIRECTIONALS: armored directional on front. LED
50. LIGHTS, SIDE DIRECTIONAL: armored directional over rear wheelhouse. LED  
LIGHTS, SIDE DIRECTIONAL: armored directional over rear wheelhouse. LED
51. LIGHTS, REAR BACK-UP: two *4-inch* white activated when reverse gear is engaged, LED
52. LIGHTS, REAR DIRECTIONAL: LED
53. LIGHTS, FRONT DIRECTIONAL: LED
54. LIGHTS, REAR STOP AND TAIL: LED
55. LIGHTS, CLEARANCE AND CLUSTER: as required by state and federal law, all clearance and cluster lights to be armored. LED
56. LIGHTS, INTERIOR DOME: 2 rows, 2 switch F & R configuration
57. LIGHTS, DRIVERS, DOME: controlled by separate switch
58. LIGHTS, RED: red light over emergency door wired with clearance lights
59. LUGGAGE COMPARTMENT, DOUBLE, 22" H x 28" D X 97" L Luggage compartment shall be located on the right side.

60. Monitor Board, 16 light Doran
61. PAINT, INTERIOR: lead free baked enamel, light color paint preferred
62. Paint Hood Lusterless black
63. EXTERIOR: lead free, national school bus yellow heat cured polyurethane. Trim to be black. Paint to carry a full (not pro-rated) five-year warranty.
64. MIRRORS: a full array of Rosco Avia, exterior mirrors in black frames to meet FMVSS 111. All exterior mirrors to be HEATED. Mounted with bell style mounts. All exterior mirrors to have stainless steel brackets. Interior rearview mirror 6x30
65. RAIN VISORS: roof panels shall have embossed rain visors permitting the window to be opened to the first stop without allowing rain inside the passenger compartment.
66. REFLECTORS: amber and red reflectors to be attached per federal regulations.
67. REFLECTIVE MARKINGS: 3M BRAND to be located around each emergency exit including roof hatches and windows.
68. REFLECTIVE MARKINGS: 3M BRAND located at the floor line running the length of the bus 2 inches wide.
69. REFLECTIVE MARKINGS: 3M BRAND outlining the rear of the bus body
70. Roof Hatches, 2 roof hatches equipped with buzzers
71. SAFETY EQUIPMENT: rubber chock blocks secured, Fire extinguisher, METAL FIRST AID kit, Metal Body Fluid Cleanup kit and Reflective triangles in box mounted in Emergency Equipment Compartment.
72. SEAT BELT, DRIVER'S: fully adjustable seat belt and shoulder harness with adjustable tether for shoulder strap.
73. SEAT, DRIVER'S: high back fully adjustable black National Brand, Air operated with fabric insert (to be charcoal gray), and adjustable lumbar support, or equivalent. Arm rest on LFI & RH sides
74. SEAT, PASSENGER: DOT standard school bus seats. All seats to be New York style high. Which comply with new National Standards. All seats to have foam of uniform thickness.
75. SEAT FOAM: seat back foam shall have uniform thickness on backside. Foam may not be notched, or reduced to accommodate required seat spacing.
76. SPACE SAVER SEATS: use of space saver seats is prohibited.
77. SEATS, PASSENGER, UPHOLSTERY: all seats to have fire retardant 42 oz. upholstery.
78. SEATS, BARRIERS: high back barriers left and right side with legs inset from aisle, entry door side to have modesty panel to floor.
79. SOLENOID: all body circuits shall be wired through a body solenoid. This solenoid shall disconnect power to body circuits when ignition is turned off
80. SOUND SYSTEM: the bus shall have an AM-FM- /PA console mounted with exterior speaker for PA
81. SOUND SYSTEM, DELUX: 8 internal speakers,
82. SOUND SYSTEM, VOLUME CONTROL: sound system shall include a separate volume control for the forward most (driver's) speaker.
83. STEPWELL: Stainless Steel slant design with three steps. Step treads in entry to have abrasive nonskid nosing on each step.
84. STEPWELL, LIGHT: step well light to activate when door is opened and clearance lights are on.

85. STOP ARM: air operated stop arm meeting FMVSS 131. Stop arm shall have 2 flashing red LED lights per side and reflective background. Painted signs are not acceptable.
86. SWITCH PANEL, BODY: a full array of labeled, fiber optic illuminated push rocker switches
87. SWITCH, DASH: to have rheostat separate from chassis dash to control illumination
88. Two Way Radio, New Two-way radio, programmed to Salem frequency and installed with quality consistent with existing radios in Salem Buses
89. Warning Lights 8 light non sequential LED
90. WARRANTY is to be a 3-year BUMPER TO BUMPER WARRANTY, covering all components except Tires, Brakes and Batteries, Engine and transmission covered by separate warranty
91. WINDOWS, SIDE: split sash design. All side windows to be 12-inch clear opening windows with tinted glass. Push out windows to have laminated glass.2 Push out windows per side
92. WINDOW, DRIVER'S: driver's sliding sash to be tinted and have positive-latch
93. WINDSHIELD: Tinted 4-piece flat glass roped in. Bonded windshields are not acceptable.
94. WINDSHIELD, WIPERS: wet arm, winter blade wipers, with intermittent- two speed and intermittent speeds controlled by a single switch
95. WIRING: all wiring to be numbered and color-coded. Wiring shall be protected by automatic re-setting circuit breakers. Easy access to terminals, circuit breakers, and other electrical components shall be provided in a hinged access door beneath the driver's window. If this access panel is located outside of the bus, it must have a security lock on it keyed the same as the entrance door.
96. Bidder shall have a minimum of 5 years' experience representing the manufacturer of proposed equipment. NO EXCEPTIONS

MANUFACTURER OF PROPOSED BUS: \_\_\_\_\_

YEARS AS DEALER OF LISTED MANUFACTURER: \_\_\_\_\_

## **PART 4. EVALUATION AND SELECTION**

### **4.1 RULE FOR AWARD**

Any contract that results from this procurement shall be awarded to the responsive and responsible vendor offering the lowest price for the vehicle specified herein.

## **PART 5. TERMS AND CONDITIONS**

### **5.1 TERM OF CONTRACT**

The contract term shall commence upon receipt of the “Notice to Proceed” and terminate upon satisfactory delivery of the vehicle.

### **5.2 DELIVERY TERMS**

The vehicles shall be delivered to the City of Salem Garage, located at 5 Jefferson Avenue, Salem, MA 01970 between the hours of 8 AM and 3 PM Monday-Friday. Please coordinate delivery with Steve Tassinari at 978-745-2676.

It is expected that the bus be delivered on or around **September 1st, 2016**.

### **5.3 ASSIGNMENTS AND SUBCONTRACTING**

The selected vendor shall not assign, sell, subcontract or otherwise transfer any interest in this contract without the prior written consent of the City. The successful bidder shall be fully responsible to the City for the acts and omissions of his subcontractor, and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.

### **5.4 PAYMENT**

The City shall make every effort to furnish payment within thirty (30) days of receipt of a reasonably detailed invoice. Any invoice received must reference the contract number. Nothing contained in the contract shall create any contractual relation between any subcontractor and the City. The Successful Bidder shall cause appropriate provision to be inserted in all subcontracts relative to the work to require compliance by each subcontractor with the application provisions of the Contract for the improvements embraced in the site preparation.

Invoicing for all work must be done weekly and must be accompanied by copies of original bills for material used.

### **5.5 INSURANCE REQUIREMENTS**

General- The Vendor shall before commencing performance of the Contract be responsible for providing and maintaining insurance coverage in force for the life of the Contract of the kind and in adequate amounts to secure all of the obligations under the Contract and with insurance companies licensed to write insurance in the Commonwealth of Massachusetts. All such insurance carried shall not be less than the kinds and amounts designated herein, and the Vendor agrees that the stipulation herein of the kinds and limits of coverage shall in no way limit the liability of the Vendor to any such kinds and amounts of insurance coverage. All policies issued shall indemnify and save harmless the City of Salem, its agents and employees from any and all claims for damages to persons or property as may rise out of the performance of this Contract.

Vendor's Comprehensive General Public Liability and Property Damage Liability Insurance - The Vendor shall carry Comprehensive General Liability Insurance providing for a limit of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages arising out of bodily injury to or death

of one person, and subject to that limit for each person, a total limit of not less than One Million Dollars (\$1,000,000.00) for all damages arising out of bodily injuries or death of two or more persons in any one accident; and Vendor's Comprehensive Property Damage Liability Insurance providing for a limit of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages arising out of injury to or destruction of property in any one accident, and subject to that limit per accident, a total (or aggregate) limit or not less than One Million Dollars (\$1,000,000.00) for all damages arising out of injury to or destruction of property during the policy period.

Comprehensive Automotive and Property Damage Insurance - The Vendor shall carry Automobile Insurance covering all owned vehicles, hired vehicles or non-owned vehicles under the control of the Vendor while performing work under the Contract in the amount of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages arising out of bodily injuries to or death of one person and subject to that limit for each person, a total of not less than One Million Dollars (\$1,000,000.00) for all damages arising out of bodily injuries to or death of two or more persons in any one accident; and Property Damage coverage in the amount of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages to or destruction of property.

The Vendor must carry Workman's Compensation Insurance in the amounts prescribed under Massachusetts State Law and meet all other City and State Laws and Regulations.

No cancellation(s) of such insurance, whether by the insurer or by the insured party shall be valid unless written notice thereof is given by the parties proposing cancellation to the other party and to the City of Salem at least fifteen (15) days prior to the intended effective date thereof, which date shall be expressed in said notice, which shall be sent by registered mail, return receipt requested. These provisions shall apply to the legal representative(s), trustee in bankruptcy, receiver, assignee, trustee, and successor(s) in interest of the Vendor.

All insurance coverage shall be at the sole expense of the Vendor and shall be placed with such company as may be acceptable to the City of Salem and shall constitute a material part of the contract documents.

Failure to provide written proof to City and continue in force such insurance as aforesaid shall be deemed a material breach of the contract, and may constitute sufficient grounds for immediate termination of the same.

## **5.6 INDEMNIFICATION**

Unless otherwise provided by law, the Vendor will indemnify and hold harmless the City against any and all liability, loss, damages, costs or expenses for personal injury or damage to real or tangible personal property which the City may sustain, incur or be required to pay, arising out of or in connection with the performance of the Contract by reason of any negligent action/inaction or willful misconduct by the Contractor, its agents, servants or employees.

## **5.7 FEDERAL AND STATE LAW**

The selected contractor shall comply with all applicable Federal, State and Local laws and ordinances.

## **5.8 SAMPLE CONTRACT**

See 'Sample Contract' attached.

## SAMPLE CONTRACT

### CITY OF SALEM

Department  
Supply/Services  
**Contract Number:**

1. THIS AGREEMENT made and concluded this \_\_\_\_ day of \_\_\_\_\_ in the year Two Thousand \_\_\_\_\_ by and between \_\_\_\_\_; hereinafter referred to as the (Vendor) and the City of Salem, 93 Washington Street, Salem, MA 01970, a municipal corporation established under the laws of the Commonwealth of Massachusetts, acting by and through its Mayor, Kimberley Driscoll; its Purchasing Agent, Whitney Haskell; and its \_\_\_\_\_; thereto duly authorized, hereinafter referred to as the (City).
2. WITNESSETH, that the said Vendor has agreed and by these presents does agree, for the consideration hereinafter contained to provide \_\_\_\_\_ pursuant to the Vendor's proposal/bid dated \_\_\_\_\_ . (and attached hereto.)
3. In case of any alteration of this contract, so much thereof as is not necessarily affected by the change, shall remain in force upon all parties hereto; and no payment for \_\_\_\_\_ under such alteration shall be made until the completion of the whole contract, and the adjustment and payment of the bill when rendered for same shall release and discharge the said City from any and all claims or liability on account of \_\_\_\_\_ furnished under this contract, or any alteration thereof.
4. **Performance Period:**
5. The Vendor shall not assign or transfer this contract, or any part thereof without the prior written consent of the Purchasing Agent of said City.
6. And the said Vendor further agrees to indemnify and save harmless the said City of Salem, its officers and agents from all claims and actions of every name and description brought against the said City, or its officers and agents, for or on account of any injury or damage received or sustained by any person, structure or property, by or from the said Vendor, servants or agents, or by, or on account of, any act or omission of the said Vendor, or servants or agents, in the performance of this contract; and the Vendor hereby agrees that so much of the money due to under, and by virtue of, this agreement, as shall be considered necessary by said Purchasing Agent, may be retained by the City until all such suits or claims for damages as aforesaid, shall have been settled, and evidence furnished to the satisfaction of said Purchasing Agent, provided, however, that notice of such claims, in writing and signed by the claimants, shall be previously filed in the offices of the City Clerk of said City.
7. It is furthermore agreed by the Vendor that the performance of this contract shall be strictly in accordance with its bid/proposal dated \_\_\_\_\_ , now on file at the Office of the City Purchasing Agent of Salem, Massachusetts, which bid/proposal is hereby made a part of this contract by reference.
8. IN CONSIDERATION WHEREOF, the City agrees to pay to the Vendor \_\_\_\_\_ (\$\_\_\_\_\_), said payment to be made within thirty days from receipt and acceptance of a reasonably

detailed invoice. **THE ABOVE CONTRACT NUMBER MUST BE REFERENCED ON ALL INVOICES IN ORDER FOR THE VENDOR TO BE PAID.**

#### **9. Insurance Coverage:**

**General** - The Vendor shall before commencing performance of the Contract be responsible for providing and maintaining insurance coverage in force for the life of the Contract of the kind and in adequate amounts to secure all of the obligations under the Contract and with insurance companies licensed to write insurance in the Commonwealth of Massachusetts. All such insurance carried shall not be less than the kinds and amounts designated herein, and the Vendor agrees that the stipulation herein of the kinds and limits of coverage shall in no way limit the liability of the Vendor to any such kinds and amounts of insurance coverage. All policies issued shall indemnify and save harmless the City of Salem, its agents and employees from any and all claims for damages to persons or property as may rise out of the performance of this Contract.

**Vendor's Comprehensive General Public Liability and Property Damage Liability Insurance**

The Vendor shall carry Comprehensive General Liability Insurance providing for a limit of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages arising out of bodily injury to or death of one person, and subject to that limit for each person, a total limit of not less than One Million Dollars (\$1,000,000.00) for all damages arising out of bodily injuries or death of two or more persons in any one accident; and Vendor's Comprehensive Property Damage Liability Insurance providing for a limit of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages arising out of injury to or destruction of property in any one accident, and subject to that limit per accident, a total (or aggregate) limit of not less than One Million Dollars (\$1,000,000.00) for all damages arising out of injury to or destruction of property during the policy period.

**Comprehensive Automotive and Property Damage Insurance** - The Vendor shall carry Automobile Insurance covering all owned vehicles, hired vehicles or non-owned vehicles under the control of the Vendor while performing work under the Contract in the amount of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages arising out of bodily injuries to or death of one person and subject to that limit for each person, a total of not less than One Million Dollars (\$1,000,000.00) for all damages arising out of bodily injuries to or death of two or more persons in any one accident; and Property Damage coverage in the amount of not less than Five Hundred Thousand Dollars (\$500,000.00) for all damages to or destruction of property.

The Vendor must carry Workman's Compensation Insurance in the amounts prescribed under Massachusetts State Law and meet all other City and State Laws and Regulations.

No cancellation(s) of such insurance, whether by the insurer or by the insured party shall be valid unless written notice thereof is given by the parties proposing cancellation to the other party and to the City of Salem at least fifteen (15) days prior to the intended effective date thereof, which date shall be expressed in said notice, which shall be sent by registered mail, return receipt requested. These provisions shall apply to the legal representative(s), trustee in bankruptcy, receiver, assignee, trustee, and successor(s) in interest of the Vendor.

All insurance coverage shall be at the sole expense of the Vendor and shall be placed with such company as may be acceptable to the City of Salem and shall constitute a material part of the contract documents.

Failure to provide written proof to City and continue in force such insurance as aforesaid shall be deemed a material breach of the contract, and may constitute sufficient grounds for immediate termination of the same.



10. This Agreement may be terminated upon thirty (30) days prior written notice for failure of Vendor to provide adequate service as determined by the Purchasing Agent.
11. This Agreement will be governed by and construed in accordance with the laws of the Commonwealth of Massachusetts. This Agreement is subject to the provisions of Massachusetts's law, and to all lawful implementing regulations, as amended from time to time.
12. IN WITNESS WHEREOF the said; (\_\_\_\_); Vendor hath caused these presents and an instrument of like tenor to be executed in its name and behalf by a properly authorized officer of said company.  
An instrument of like tenor to be executed by the City in its name and behalf by its Mayor; its Purchasing Agent, and \_\_\_\_\_.

All duly authorized as aforesaid, and its corporate seal to be hereto affixed.

\_\_\_\_\_  
By:

**CITY OF SALEM:**  
By:

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Kimberley Driscoll,  
Mayor

\_\_\_\_\_  
Authorized Officer (print name)

\_\_\_\_\_  
Sarah Stanton,  
Finance Director

\_\_\_\_\_  
Title

\_\_\_\_\_  
Margarita Ruiz,  
Superintendent of Schools

\_\_\_\_\_  
Whitney Haskell,  
Purchasing Agent

Approved as to form: \_\_\_\_\_  
Elizabeth Rennard, Esq.,  
City Solicitor

## SPECIFICATION CHECKLIST

A completed copy of this checklist must be returned as part of the bid submission.  
Please check "Yes" or "No" next each specification. Attach additional documentation listing any deviations from the specifications. Please note, that deviations may disqualify a bid.

### TYPE "C" CONVENTIONAL CHASSIS SPECIFICATION 2017 or NEWER 77 PASSENGERS

		Y	N
<b>AIR CLEANER:</b>	Dry type with easily changeable element		
<b>AIR RESTRICTION INDICATOR:</b>	Indicator installed to monitor airflow from cleaner to engine		
<b>AIR DRYER:</b>	AD-IP		
<b>ALTERNATOR:</b>	320 amp Leece-Neville, or equal		
<b>AXLE, FRONT:</b>	12,000 pounds Meritor with Petroleum Lubrication Oil		
<b>AXLE, RATING:</b>	Front axle rated @8,500 pounds with Petroleum Lubrication Oil		
<b>AXLE, REAR:</b>	23,000 pounds Meritor 5.38 gear ratio		
<b>BATTERIES:</b>	Three Group 31 Batteries 3375 CCA, located on left side of body on slide out tray, with switch disconnect located in battery compartment.		
<b>BACKING SAFETY HORN:</b>	112db activated when bus in reverse gear.		
<b>BRAKES:</b>	Hydraulic, with ABS, Performance Friction Rotors and Dust Shields.		
<b>BRAKES (EMERGENCY/PARKING)</b>	Lever operated mounted on floor.		
<b>BUMPERS:</b>	Front and rear, minimum 3/16 inch steel painted black. Rear bumper to be extended 2 inches. Rear bumper to have double A frame bracing, bolted to frame, 12 inches after form. (welding not acceptable.)		
	Heavy duty construction to provide capability of lifting bus with bumper jack.		
<b>BUMPER, REAR</b>	Designed to prevent damage to all directional lights, backup lamps and school warning lamps.		
<b>CIRCUIT BREAKER CHASSIS</b>			
<b>CONTROLS (at driver):</b>	-Key-type starter, keyed alike		
	-Hazard switch on steering column		
	-Self-canceling turn signal with indicator lights		
	-Rheostat dash simmer on headlight switch		
	-Dash mounted transmission shifter		
	-Rocker switches		
<b>COOLING SYSTEM:</b>	Change air cooler 709 sq. in front of coolant radiator 777 sq. inches with constant torque clamps.		
	System must have long-life antifreeze rated -40°F.		
<b>COOLING SYSTEM, HOSES</b>	All cooling hoses shall be rubber with constant torque clamps.		
<b>COOLING FAN:</b>	Fully on-fully off thermostatically controlled fan clutch.		
<b>DASH:</b>	Driver's dash with individual gauges.		
<b>DAYTIME RUNNING</b>	Required.		

<b>LIGHTS:</b>			
<b>DIGITAL CLOCK:</b>	Installed within driver's view		
<b>DRIVELINE:</b>	Steel drive shafts, minimum of 4 inches. Each shaft to be balanced prior to installation.		
	Protective driveline guards to be installed on each section.		
<b>ENGINE:</b>	220 HP Cummins, 6-cylinder diesel or equal, must be fully 2013 EPA emission compliant.		
	Diesel exhaust fluid tank capacity to be 15-gallon minimum.		
	Fully electronically controlled with heater intake grid for easy starting and reduced emissions		
	High idle and throttle electronically controlled.		
<b>ENGINE PAINT:</b>	Engine shall be painted to provide for mechanic's visual inspection for leaks.		
	Governor set to 75 MPH		
<b>ENGINE WARRANTY:</b>	Five years.		
<b>ENGINE HOOD:</b>	In height for easy access for driver.		
<b>EXHAUST:</b>	16-gauge tailpipe 4 inches in diameter routed to rear of bus, pipe hangers to be spring steel with rubber isolators.		
	All clamps to wide band design.		
	Tailpipe shall exit rear through bumper.		
<b>EXHAUST SYSTEM:</b>	Single horizontal system 3 inches in diameter.		
	16 gauge from manifold to muffler.		
<b>FRAME:</b>	50,000 PSI rails.		
<b>FUEL SYSTEM:</b>	100 gallons between frame rail tank, for maximum safety and best weight distribution for winter operation. <b>(Side mount tank not acceptable.)</b>		
	Fuel sender inspection plate and locking fuel fill door.		
<b>FUEL SYSTEM FILTERS:</b>	Racor 490R30 heated water and fuel separator with 200-watt heater, 30-micron filter.		
<b>GVW:</b>	31,500 lbs. minimum		
<b>HORN:</b>	Dual electric horn, protected from directed splash		
<b>INSTRUMENTS:</b>	Complete array of individual gauges required: voltmeter, speedometer w/ seven digits, odometer, fuel gage, oil pressure gauge, coolant temperature gauge, dual air pressure gauges, tachometer, engine hour meter, engine warning system for low oil pressure or high temperature, lighted message bar/buzzer to "check gauges", ammeter, transmission temperature gauge.		
<b>MANUALS:</b>	Complete body and chassis service manuals.		
	Complete parts catalog, including warranties on major chassis components – DATA MUST INCLUDE WARRANTIES ON MAJOR CHASSIS COMPONENTS.		
<b>PAINT:</b>	Chassis, frame, bumpers, wheel and rub rails shall be painted black.		
<b>SHOCK ABSORBERS:</b>	Front and rear double-action shock absorbers compatible with manufacturer's rated axle capacity at each wheel location.		
<b>SUSPENSION, FRONT</b>	8,500 lbs. Spring		
<b>SUSPENSION, REAR</b>	Hendrickson Air Suspension 23K		
<b>STEERING:</b>	Ross TAS-65 or equal with integral design, powers unit mounted directly to steering column with one piece drag link.		
	Power steering pump shall be gear driven.		

	Two spoke, padded tilt/telescoping, Tilt/telescoping steering wheel.		
<b>TIRES:</b>	Hancock, or equal 11R22.5 highway tread on front, traction tread on rears.		
<b>TIRES, SPARE</b>	Highway tread spare mounted and balanced.		
<b>TOW HOOKS:</b>	Front and rear tow hooks.		
<b>TRANSMISSION:</b>	Allison 2500 PTS electronic transmission with five forward speeds and Transynd synthetic lubricant.		
<b>TRANSMISSION, WARRANTY:</b>	5 Years.		
<b>TRANSMISSION COOLER:</b>	Separate transmission oil cooler with minimum heat exchange capacity of 1535 BTUs.		
<b>VALVES:</b>	Heater water shut off valves located in engine compartment to isolate hot water from the body. Heater water regulator valve accessible to the seated driver to regulate hot water flow to the body.		
<b>WHEELBASE:</b>	273 inches' maximum.		
<b>WHEEL CUT:</b>	50 degree or better.		
<b>WHEELS:</b>	Hub piloted 10 stud disc wheels painted black. "BUD" style ball and seat wheels. 8.25/22.5		
<b>WINDSHIELD FLUID RESEVOUR:</b>	Located so it can be accessed and filled easily from ground level.		
<b>WIRING:</b>	All chassis wiring shall be color and number coded in regular intervals.		
	Easy access to chassis wiring terminals and fuses shall be provided.		

### TYPE "C" CONVENTIONAL BODY SPECIFICATION

Vehicle must meet FMVSS 221, joint strength for bus body construction.

<b>ACCESSORY POWER SOCKET:</b>	12-volt power provided in dash area for cellular telephone, socket to include protective rubber cap.		
<b>AIR CONDITIONING:</b>	2 Evaporators, front and rear mounted, 3 fan condenser, skirt mounted, 110,000 BTU minimum.		
<b>AUXILARY FANS:</b>	One six-inch fan with protective metal guard mounted top dead center over the windshield and one mounted left of driver controlled by a two speed switch.		
<b>ACOUSTIC HEADLINER:</b>	Driver's and first body section.		
<b>AIR INTAKES:</b>	Dual fresh air intakes at right and left sides, one to provide fresh dry air to the defroster system and one to provide fresh air to the driver.		
<b>BATTERY COMPARTMENT:</b>	Under floor battery compartment with sliding tray with captive pin for batteries. Locking door.		
<b>BODY CONSTRUCTION:</b>	Shall meet or exceed requirements of FMVSS 221 Joint Strength.		
	Shall meet Colorado Rack Test and bidder shall provide proof from the manufacturer in the bid documents.		
	Floor construction shall meet or exceed requirements of FMVSS 221 constructed of 14-gauge galvanized steel.		
	The seat rail (at seat level) must run around the rear of the bus to the emergency door.		
	Snow rail must run the full length of the bus except at the		

	wheelhouses.		
<b>BODY CONSTRUCTION, RUB RAILS:</b>	4-die formed 16-gauge steel protective rails, one beneath the windows, one at seat level, one at floor level, and one located at the bottom of the skirt (snow rail).		
<b>BODY SHEETMETAL:</b>	All exterior steel shall be mill applied zinc coated, treated with electrodeposited prime, e-coated with rust resistant bonding zinc after fabrication and before assembly using 20-gauge fluted side panels.		
	Embossed rain visors over each passenger window and driver's sash.		
	All interior panels shall be riveted except where screws are placed in wired duct for access to wiring harness.		
<b>BODY UNDERCOATING:</b>	Upgrade undercoat option including fuel tank. The entire body shall be fully undercoated BEFORE mounting on the chassis for complete and effective coverage.		
	Rubber chocks to be provided and secured.		
<b>COMPARTMENT:</b>	Document mounted on barrier behind driver.		
	Locking glove compartment in dash.		
<b>DEFROSTER:</b>	90,000 BTU's full length fixed outlets including driver's sash with nozzles directed at the entrance door.		
	50,000 BTU step well heater required		
	Controls shall allow the driver to direct 100% of airflow to the windshield or passenger area.		
	Easily assessed and easy to clean.		
<b>DOOR, ENTRANCE:</b>	Manually operated outward opening entrance door with tinted glass upper and lower keyed security lock and outside release. Air or electric doors are not acceptable.		
<b>DOOR, EMERGENCY:</b>	A rear emergency door located in the center with upper and lower tinted glass		
	Dual hinders with grease fittings for lubrication.		
	A sliding vandal lock shall be wired to the ignition to disable the bus when the door is locked.		
	The door when opened shall activate a D.O.T. buzzer.		
	A retainer to hold the door open in a 90-degree angle is required.		
<b>DRIVER'S AREA:</b>	Insulated		
<b>EMERGENCY ROOF HATCHES:</b>	Two specialty pop up roof hatches with buzzer installed in compliance with FMVSS 217.		
<b>EMERGENCY WINDOWS:</b>	Two emergency push out windows per side with front vertical hinges shall be installed equally throughout the bus body in accordance with FMVSS 217.		
	Emergency windows shall have tampering buzzers.		
<b>ENGINE COMPARTMENT:</b>	Shall be fully insulated to reduce heat and noise in the engine compartment.		
<b>FENDER/TES:</b>	Rear wheels to have rubber fenders.		
<b>FLAPS:</b>	Front and rear full length mud flaps are required.		
<b>FLOOR COVERING:</b>	5/8-inch AB Marine Grade plywood, screwed down.		
	Grey rubber floor covering with ribbed aisle.		
	Molded rubber covering each wheelhouse.		
<b>FLOOR COVERING, STEPWELL:</b>	Ribbed rubbers.		
	Step noses to be white.		

	Top step to have white rubber wear plate.		
<b>FUEL SENDER INSPECTION PLATE:</b>	To provide access to fuel tank sender.		
<b>FUEL DOOR:</b>	Spring loaded with lock.		
<b>HEADER PADS:</b>	Located over all doors, 4 inch minimum.		
<b>HEADROOM:</b>	77 inches over plywood and floor covering measured in aisle between passenger seats.		
<b>HEATING SYSTEM:</b>	Plumbing to all heaters routed to provide hot water to defroster first for maximum safety visibility.		
	Hi-miler heater hoses with constant torque clamp required.		
	540,000 BTU Stepwell heater, Convection Baseboard in body. Baseboard heat shall be regular option that is engineered and installed at the manufacturer. Upfiter, aftermarket or dealer installs are not acceptable		
<b>HEATER REGULATOR VALVE:</b>	Valve to control flow of hot water into the bus body shall be accessible to the seated driver without opening the engine hood.		
<b>INSULATION:</b>	Body and roof bows to be completely insulated with 1 ½ inch R 5.75 insulation.		
<b>LETTERING:</b>	All vinyl lettering to be applied per Salem Public School's requirements, in accordance with state and federal requirements.		
	Lettering and bus numbers to be determined at time of order.		
<b>LIGHTS, SCHOOL WARNING:</b>	LED eight-way school warning lamps.		
	Lights shall be wire non-sequentially.		
	A Weldon solid-state flasher with a ten-year warranty.		
<b>LIGHTS, WARNING:</b>	Black hoods with black paint surround		
<b>LIGHTS, DAYTIME RUNNING:</b>	Front and rear daytime running lights required		
<b>LIGHTS, HEADLAMP:</b>	Halogen.		
<b>LIGHT:</b>	LED Boarding light mounted on the exterior next to the entrance door.		
<b>LIGHTS, SIDE DIRECTIONALS:</b>	LED armored directional on front.		
	LED armored directional over rear wheelhouse.		
<b>LIGHTS, REAR BACKUP :</b>	LED two 4 inch white activate when reverse is engaged		
<b>LIGHTS, REAR DIRECTIONAL:</b>	LED		
<b>LIGHTS, FRONT DIRECTIONAL:</b>	LED		
<b>LIGHTS, REAR STOP AND TAIL:</b>	LED		
<b>LIGHTS, CLEARANCE AND CLUSTER:</b>	All clearance and cluster lights shall be LED and armored as required by state and federal law.		
<b>LIGHTS, INTERIOR DOME:</b>	2 rows 2 switch configuration. F & R Configuration		
<b>LIGHTS, DRIVER'S DOME:</b>	Controlled by separate switch		
<b>LIGHTS, RED:</b>	Red light over emergency door wire with clearance lights.		
<b>LUGGAGE COMPARTMENT:</b>	Double 22 inch H x 28 inch D x 97 inch L luggage compartment shall be located on right side.		
<b>MONITOR BOARD:</b>	16 light Doran.		
<b>PAINT, INTERIOR:</b>	Lead free baked enamel, light color paint preferred.		

<b>PAINT, HOOD:</b>	Lusterless black.		
<b>PAINT, EXTERIOR:</b>	Lead free, national school bus yellow heat cured polyurethane. Black trim.		
	Full (not prorated warranty).		
<b>MIRRORS:</b>	A full array of Rosco Avia, exterior mirrors in black frames to meet FMVSS 111.		
	All exterior mirrors to be heated.		
	Mounted with bell style mounts.		
	All exterior mirror to have stainless steel brackets.		
	Interior rearview mirror 6 inches x 30 inches.		
<b>RAIN VISORS:</b>	Roof panels shall have embossed rain visors permitting the window to be opening to the first stop without allowing rain inside the passenger compartment.		
<b>REFLECTORS:</b>	Amber and red reflectors to be attached per federal regulations.		
<b>REFLECTIVE MARKINGS:</b>	3M Brand, to be located around each emergency exist including roof hatches and windows.		
	3M Brand, located at the floor line running the length of the bus 2 inches wide.		
	3M Brand, outlining the rears of the bus body.		
<b>ROOF HATCHES:</b>	2 roof hatches equipped with buzzers.		
<b>SAFETY EQUIPMENT:</b>	Rubber chock blocks, secured, fire extinguisher, metal first aid kit, metal body fluid cleanup kit, reflective triangles in box mounted in Emergency Equipment Compartment.		
<b>SEALT BELTS, DRIVER'S:</b>	Fully adjustable seat belt and shoulder harness with adjustable tether for shoulder strap.		
<b>SEAT, DRIVER'S:</b>	High back fully adjustable black National Brand, air operated with fabric inset (charcoal gray), adjustable lumbar support, or equivalent, arm rest on LH and RH side.		
<b>SEAT, PASSENGER:</b>	DOT standard school bus seats.		
	All seats to be New York style high and comply with new National standards.		
<b>SEAT FOAM:</b>	Seat back foam shall have uniform thickness on backside.		
	Foam may not be notched, or reduced to accommodate required seat spacing.		
<b>SEATS, SPACE SAVER:</b>	Use of space saver seats in prohibited.		
<b>SEATS, PASSENGER UPHOLSTERY:</b>	All seats to have fire retardant 42 oz. upholstery.		
<b>SEATS, BARRIERS:</b>	High back barriers left and right side with legs inset from aisle, entry door side to have modesty panel to floor.		
<b>SOLENOID:</b>	All body circuits shall be wired through a body solenoid.		
	The solenoid shall disconnect power to body circuits when ignition is turned off.		
<b>SOUND SYSTEM:</b>	The bus shall have a Panasonic AM-FM-CD/PA console mounted with exterior speaker for PA.		
<b>SOUND SYSTEM, DELUX:</b>	8 internal speakers.		
<b>SOUND SYSTEM, VOLUME CONTROL:</b>	Sound system shall include a separate volume control for the forward most (driver's) speakers.		
<b>STEPWELL:</b>	Slant design with three steps.		
	Step treads in entry to have abrasive non-skid nosing on each step.		
<b>STEPWELL, LIGHT:</b>	Stepwell light to activate when door is opened and clearance lights are on.		

<b>STOP ARM:</b>	Air operated stop arm meeting FMVSS 131		
	Stop arm shall have 2 flashing red LED lights per side and reflective background.		
	Painted signs are not acceptable.		
<b>SWITCH PANEL, BODY:</b>	A full array of labeled, fiber optic illuminated push rocker switches.		
<b>SWITCH, DASH:</b>	To have rheostat separate from chassis dash to control illumination.		
<b>TWO WAY RADIO:</b>	New two-way radio, programmed to Salem frequency and installed with quality consistent with existing radios in Salem buses.		
<b>WARNING LIGHTS:</b>	8 lights non-sequential LED.		
<b>WARRANTY:</b>	3-year bumper to bumper warranty, covering all components except: tires, brakes and batteries, engine and transmission covered by separate warranty.		
<b>WINDOWS, SIDE:</b>	Split sash design.		
	All side windows to be 12 inch clear opening windows with tinted glass.		
	2 push out windows per side shall have laminated glass.		
<b>WINDOWS, DRIVER'S:</b>	Driver's sliding sash to be tinted and have positive-latch.		
<b>WINDSHIELD:</b>	Tinted 4-piece flat glass roped in. Bonded windshields are not acceptable.		
<b>WINDSHEILD, WIPERS:</b>	Wet arm, winter blade wipers, with intermittent, two-speed and intermittent speeds controlled by a single switch.		
<b>WIRING:</b>	All wiring to be numbered and color-coded.		
	Wiring shall be protected by automatic re-setting circuit breakers.		
	Easy access to terminals, circuit breakers, and other electrical components shall be provided in a hinged access door beneath the driver's window.		
	If the access panel is located outside of the bus, it must have security lock on it keyed the same as the entrance door.		
<b>EXPERIENCE:</b>	Bidder shall have a minimum of 5 years' experience representing the manufacturer of proposed equipment. NO EXCEPTIONS.		