

**TOWN OF ARLINGTON
MASSACHUSETTS
PURCHASING DEPARTMENT**

INVITATION TO BID

BID NO. 21-53

Sealed bids, pursuant to the Uniform Procurement Act, Ch. 30B, are invited and will be received by the Town Manager, Town of Arlington, Massachusetts, until **10:00 A.M. Wednesday, October 6, 2021**, at the Office of the Purchasing Director, 730 Massachusetts Avenue, Arlington, Massachusetts, at which time and place they will be publicly opened and read for furnishing:

Two Type "C" (71 Passenger) Conventional Style School EV (ELECTRIC) Buses and (optional) battery charging stations

Proposals must be submitted on forms provided and in a sealed envelope.

Certificate of Non-Collusion form must be submitted with bids in order to be considered.

For further information please contact Domenic R. Lanzillotti, Purchasing Officer @ (781) 316-3003.

The Town Manager reserves the right to cancel any Invitation for Bid and/or to reject in whole or in part any and all bids, when it is deemed in the best interest of the Town to do so.

TOWN OF ARLINGTON

Adam W. Chapdelaine
Town Manager

September 13, 2021

Town of Arlington

BID #21-53
PROPOSAL PAGE

**Two Type “C” (71 Passenger) Conventional Style School EV (ELECTRIC)
Buses and (optional) battery charging stations**

In the spaces provided below, please show your bid for two (2) each Type “C” (71 Passenger) School Buses and (optional) two (2) single-port or one (1) dual port electric vehicle charging station(s) per attached specifications.

**AWARD TO BE MADE ON EITHER THE TOTAL BID PRICE OR SEPARATELY
ON THE BUSES AND CHARGING STATIONS. FUNDING FOR SECOND BUS AND
SECOND CHARGING STATION SUBJECT TO GRANT FUNDING**

Vendor must state model bid and submit descriptive literature.

1. TWO TYPE “C” (71 PASSENGER) ELECTRIC SCHOOL BUSES \$ _____
Each

MODEL: _____

1. TWO SINGLE PORT OR ONE DUAL PORT EV CHARGING STATIONS \$ _____
Each

MODEL: _____

Signature _____

Company _____

Business Address: _____

Telephone _____ Fax _____

Email _____

Date _____

Bid Specifications and Requirements
For two Type “C” (71 Passenger) Conventional Style School
EV (ELECTRIC) Buses
Current Year Model 2022

Whenever, in these bid specifications, any equipment or materials described by the use of a proprietary product, or by using the name of a specific manufacturer or vendor, the term “approved or equal” if not stated will be implied.

School Bus shall be equipped with a Motorola two way radio provided, serviced and installed by the current contract bidder to the Town of Arlington. Current contractor C & G Radio, Waltham Mass. (781) 230-9700

The total contract price should include body and chassis completely assembled, including all specified equipment and accessories contained in this bid ready for turn-key operation.

The selling dealer must be the authorized warranty repair facility for 100% of the bus at their location. This is to include the entire body and chassis. The repair facility must be within a forty (40) mile radius of 869 Mass Ave Arlington, MA.

Vendor shall specify minimum charging station specifications.

Funding has been secured by the Town of Arlington for one bus and one charging station. Grant funding for a second bus and charging station is expected, but uncertain. If vendor’s unit price per bus and / or charging station would differ for one unit instead of two, vendor should so indicate on the bid proposal page.

The vehicles shall be lettered on both the appropriate left and right center panels to read: “ARLINGTON PUBLIC SCHOOLS” and also identified on the front, rear and roof panels with the number “103”, “102” respectively. Lettering and graphics highlighting that buses are electric or zero emissions to be decided with Arlington prior to delivery. All other body decals included shall comply with current Massachusetts State regulations.

All equipment and accessories must comply with all Federal and Massachusetts State laws governing motor vehicles and school bus regulations at the time of delivery.

CERTIFICATE OF 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 individual submitting bid or proposal)

(Name of individual submitting bid or proposal)

Name of Business

Date

Pursuant to M.G.L. Chapter 62C, Section 49A, I certify under the penalties of perjury that I have complied with all laws of the commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

Social Security Number or
Federal Identification Number

Signature of Individual or Responsible
Corporate Officer and Title

**NON-COLLUSION FORMS MUST BE
SIGNED AND SUBMITTED WITH BID**

Bid Specifications/Bid Specification Exception Sheet

71 Passenger Size - Type C EV School Bus Specifications

Chassis to be a new 2022 model as described in these specifications. Minimum specifications are listed below and each bidder must state to the right of the listed specifications the compliance details that pertain to the unit bid indicating size, quality, range and information as necessary to determine unit quality. Bidders' specifications **must meet** or exceed minimum specifications and must be listed in detail to be considered to be qualified bidder. All Chassis specifications shall meet or exceed those specifications as set forth by the Massachusetts Department of Transportation, Federal Department of Transportation and the Massachusetts Minimum Safety Standards for Construction of School Buses in effect at time of manufacture.

THE DEALER FACILITY MUST BE WITHIN A 40 MILE RADIUS OF 869 MASSACHUSETTS AVE. ARLINGTON, MA
 THE SELLING DEALER MUST BE AN AUTHORIZED WARRANTY REPAIR FACILITY FOR 100% OF THE BUS AT THEIR LOCATION.

Vehicle must be designed to be parked outside all year (12 months)

Vehicle Specifications Bid On

(Indicate "same", "yes" or explain exception)

<u>Body Specifications</u>	<u>Minimum Bus Body & Chassis Specifications</u>	
Barriers	(2) 39" passenger restraining barriers conforming to FMVSS 222 with kick plate, 45" high to match high back seats	_____
Battery Box	Chassis mounted battery box with lock and slide out tray	_____
Body Panel	<u>Exterior</u> Full 20-gauge reeded side panels <u>Interior</u> 22-gauge Galvalume <u>TM</u> panels from belt line to seat rail	_____ _____
Bumper	<u>Front</u> Chassis supplied <u>Rear</u> Full width of body and wrap around. Pressed deep concave steel. 3/16" thick x 9 3/4" high	_____ _____
Color	<u>Exterior</u> National School Bus Chrome Yellow (high solids polyurethane) black wheels, window guard rail & rear bumper painted black <u>Interior</u> Light gray panels. All spray on & high-baked enamel flat black trim.	_____ _____
Cowl Steps	Folding steps & painted handles on cowl for cleaning windshield. Pair	_____
Defroster	Included with chassis air management system.	_____
Door-Emergency	(2) glass type located center rear with slide bar lock, buzzer signal, recessed handle. . 4" header pad upholstered with black 42 oz. Proform fire block material . Upper glass 622 sq. in. . Lower glass 398 sq. in. . Reflective marking - exterior . Interior light (red) at emergency door . Sliding door stop . Vandal lock	_____

Vehicle Specifications Bid On

(Indicate "same", "yes" or explain exception)

Body Specifications

Minimum Bus Body & Chassis Specifications

Door-Entrance

Electrically operated. Both leaves open outward.
. 4" header pad upholstered with black 42 oz. Proform fire block material.
. Full length clear tempered glass

Vehicle Dimensions

Exterior door switch with keyed vandal lock
Interior height 78", interior width 90", exterior width 96"

Drip Molding

Continuous formed in exterior window header including driver's window, entrance door and rear emergency door.

Electrical

Access Covers

Main body wiring harness is easily accessible by removing molded covers over side sash.
Rear bulkhead electrical access.

Accessory Switch

100 Amp continuous duty solenoid relay activated by the ignition switch on the chassis. With the ignition switch on, the relay is activated which allows electrical current to pass through to the body accessories and thereby reducing the amp load on the ignition switch. With the ignition off, the relay is inactive and no current is allowed to pass.

Circuit Protectors

Fuses

Multiplex Electrical System

Body harness integrated into chassis harness.

Switches

Rocker type, easily serviced

Wire Connectors

Packard insulators at wire connection

Wiring

Flame retardant

Wiring Harness

Main body harness that is color coded and numbered

Fenderettes

16-gauge metal fenderette extends 1 1/2" away from body side sheet. Continuous from bottom skirt to bottom of skirt.

Floor Covering

1/8" gray smooth rubber under seats, wheelhouses, and driver's area. 3/16" gray rubber ribbed aisle w/galvanized steel aisle strips. Steps covered with ribbed gray rubber with white nosing. Cove molding at side and rear walls, 2" white standee line.

Vehicle Specifications Bid On

(Indicate "same", "yes" or explain exception)

Body Specifications

Minimum Bus Body & Chassis Specifications

Charge Port

Exterior

Located at rear of bus

Interior

Access plate in floor for servicing

Glass

Flat safety tempered bonded on sides and rear.

All glass complies with FMVSS 205 and 217.

(4) emergency push out windows (2 left, 2 right) with reflective markings, vertically hinged.

ALL GLASS TINTED

Hand Rail

Stainless steel step handrail at entrance door. Mounted at top left side of entrance door stepwell and extending to top left side of seat barrier.

Right side entrance handrail

Heater

Interior fully-electric heating system compatible with bus

Insulation

2" thermal bonded polyester fiber headlining, side and rear walls. (R value is 6.25)

Interior

Acoustic headlining, entire bus.

Lettering

Front and Rear

"SCHOOL BUS" 8" high x 1 1/4" stroke, maximum.

Black block letters

Sides

ARLINGTON PUBLIC SCHOOLS ELECTRIC BUS

Black block letters.

Rear Door

"EMERGENCY DOOR" approximately 2" high x 1/4". Black 6" x 1" arrow showing direction of handle turn

Lights

Back-Up/Stop/Tail

Sealed, horizontally mounted stop/tail, amber turn and LED

Cluster

(3) Amber w/metal protective shields (3) Red rear w/shields LED

Directional

7" round plain amber at rear.

(1) right and (1) left. Side directionals.

LED

Dome & Dome Driver

Complies with FMVSS 108.

Vehicle Specifications Bid On

(Indicate "same", "yes" or explain exception)

Body Specifications

Minimum Bus Body & Chassis Specifications

Lights (cont.)

Marker
(2) front side corners, (2) rear side corners, (2) amid ship side roof. Smaller size units have (4) corners only.

LED

Stepwell

(1) operating w/ignition and interior dome light switch

Emergency

8 lamp non-sequential warning light system with 16 lamp deluxe monitor.

Mirrors

Interior

6" x 30" safety glass with edges protected with rubber.

Exterior

(2) Duo-Style (Euro-Style)

HEATED-REMOTE

Crossview

(2) quadrispherical crossview to comply with FMVSS 111

HEATED

Mud Flaps

Front and rear

Rails - Guard

(1) 4 1/4" applied below windows and extends around rear corners.

(1) 4 1/4" applied at seat cushion level and extends around rear corners.

(1) 4 1/4" applied at floor level.

(1) 4 1/4" applied at skirt bottom.

(2) 2 15/16" applied at roof extending length of passenger compartment, internally

(1) Bottom rail

Reflectors

(6) round reflectors (2) each side and (2) rear

Rust proofing

Primer applied to both sides of all painted panels prior to assembly.

Seats

Driver's

Bostrom Routemaster driver's seat with 5 position tilt and fore and aft and weight adjustment. Wolf black upholstery with cloth insert.

HEATED DRIVERS SEAT

Seat belt includes 3 point lap/shoulder belt, black, emergency locking retractor, web sensitive, 175" belt, push-button buckle, meets FMVSS 209 and 302 specifications.

AIR SUSPENSION WITH DUAL ARM RESTS

Passenger Seating FMVSS 222

12 - 39" restraining seats right side with color coded seat belts

11 - 39" restraining seats left side with color coded seat belts

1 - 26" restraining seat left side with color coded seat belts

20 intergrated seats

Vehicle Specifications Bid On

(Indicate "same", "yes" or explain exception)

Body Specifications

Minimum Bus Body & Chassis Specifications

Stepwell	3 - step black rubber with white nosing bonded to 22 gauge steel backing and applied to steps. Diamonette trim on floor edge	_____
Storage	<u>Overhead Storage Compartment</u> Located over windshield with quick release latches.	_____
Sun Visor	6" x 30" plastic with finished edge. Mounted to windshield header in metal retainment track.	_____
Undercoating	Floor, skirts, and wheelhouses with asphalt emulsion water based material or equal.	_____
Ventilator	Static exhaust located in top front roof.	_____
Windows	<u>Driver's</u> Double sliding sash w/latch. Tempered glass. Composite construction of non bonded corrosive material.	_____
Windshield	<u>Side Windows</u> Bonded split sash, with tempered glass. 12" window opening. ALL GLASS TINTED One piece bonded curved windshield.	_____
Windshield Washers	electric, approximately one gallon capacity.	_____
Windshield Wipers	(2) electric bottom mounted heavy duty motors with 2 speeds. Heavy duty wet arm wipers. INTERMITTENT	_____
Wiring	Color coded and numbered in molding above left and right windows with main wiring down left side.	_____
Safety Equipment	Reflective triangles 5 lb. ABCD fire extinguisher (2) chock blocks - rubber 24 unit first aid kit Body fluid clean up kit Backup alarm Electric stop arm with flashing lights (2) Roof escape/ventilation hatches and (4) emergency push out windows. Reflective tape 2" @ floorline and rear perimeter	_____
Radio	AM-FM/CD with P.A.	_____
Cameras	Pro-Vision Entrance door,forward exterior,front,rear,and Dual Lense stop arm camera	_____
Cup Holders	Drivers area cup holder	_____
Air Conditioning Two compressors	126,000 BTU Air conditioning,front and rear bulkhead mounted	_____

Vehicle Specifications Bid On

(Indicate "same", "yes" or explain exception)

Chassis Specifications

Minimum Bus Body & Chassis Specifications

Wheelbase	259" maximum	_____
Frame	10.8 section modulus. 110.000 PSI	_____
Engine	All Electric, zero emissions Powertrain, Appropriate for vehicle Optional extended warranty	_____
Battery	DC Battery 200kWh or greater capacity Extended warranty	_____
Steering Transmission	Tilt telescoping Appropriate for vehicle	_____
Rear Axle	23,000 lb. capacity minimum geared appropriately for 70 MPH.	_____
Rear Suspension	21,000 lb. Air suspension	_____
Front Axle	10,000 lb. capacity minimum	_____
Front Suspension	10,000 lb. taper leaf springs	_____
Brakes	Air Brakes	_____
Tires	Appropriate for vehicle	_____
Wheels	7.50 x 22.5, Hub piloted disc	_____
Chassis Hood	Non-reflective black	_____
Horns	Dual electric	_____
Turn Signals	Fender mounted	_____
Gauges	Manufacturer's standard gauge package including ammeter.	_____
Cruise Control	Electronic	_____
Diagnostics	SAE J1587/1708/1939 9-pin diagnostic connector under dash.	_____
Driver Info Center	Odometer/hourmeter/diagnostic display and 26 warning lights.	_____
Tow Hooks	Two front frame mounted tow hooks.	_____

Charging Equipment

Minimum Charging Equipment Specifications

Vehicle charging stations 2 single-port or 1 dual-port DC charging stations. Min. 50 kW per port. Connector (charge port) must be CCS Combo 1

COMPANY: _____ **DATE:** _____

ADDRESS: _____ **TEL. #:** _____

AUTHORIZED SIGNATURE _____

DELIVERY DATE: _____