**Community Action Pioneer Valley**

**Bid Specifications/Exception Sheet**

*47 Passenger- Type C - School Bus Specifications*

Chassis to be a new 2019 or newer 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. Features identified as “optional” should be priced as “add on” features. Bidders’ specifications must meet or exceed minimum specifications and must be listed in detail to be considered to be a 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 Department of Transportation.

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| --- | --- | --- |
| **Body Specifications** | **Minimum Bus Body & Chassis Specifications** | **Vehicle Specifications Bid on (Indicate “same”, “yes” or explain exception)** |
| **Barriers** | (2) 39” passenger restraining barriers conforming to FMVSS with kick plate, 45” high to match back seats |  |
| **Battery Box** | Chassis mounted battery box with slide out tray |  |
| **Body Panel** | **Exterior** |  |
|  | Full 20-guage reeded side panels |  |
|  | **Interior** |  |
|  | 22-guage Galvalume TM panels from belt line to seat rail |  |
| **Bumper** | **Front** |  |
|  | Chassis supplied |  |
|  | **Rear** |  |
|  | Full width of body and wrap around. Pressed deep concave steel. 3/16” thick 9 ¾ high |  |
| **Color** | **Exterior** |  |
|  | National Chrome School Bus Yellow (high solids polyurethane), black wheels, window rail & rear bumper painted black. |  |
|  | **Interior** |  |
|  | Light gray panels. All spray on and high-baked enamel flat black trim. |  |
| **Cowl Steps** | Folded steps and 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, and recessed handle.  -4” header pad upholstered w/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 |  |
| **Door-Entrance** | Electronically operated. Both leaves open outward.  -4” header pad upholstered w/black 42 oz. proform fire block material  -Full length clear tempered glass |  |
| **Vehicle Dimensions** | Interior height 78” interior width 90”, exterior width 90” |  |
| **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 connections |  |
|  | **Wiring** |  |
|  | Flame retardant |  |
|  | **Wiring Harness** |  |
|  | Main body harness that is color coded and numbered |  |
| **Fenderettes** | 16 gauged mental fenderette extends 1 ½”away from body side of sheet. Continuous from bottom of skirt. |  |
| **Floor Covering** | 1/8” black smooth rubber under seats, wheelhouse and drivers’ area. 3/16” black rubber ribbed aisle w/galvanized steel isle strips. Steps covered with ribbed black rubber with white nosing. Cove molding at side and near walls, 2” wide white standee line. |  |
| **Fuel Tank Opening** | **Exterior** |  |
|  | Spring loaded hinged door w/latch. |  |
|  | **Interior** |  |
|  | Access plate in floor service |  |
| **Glass** | Flat safety tempered bonded on sides and rear. All glass complies with FMVSS 205 &217.  (4 ) emergency push out windows (2 left, 2 right) with reflective markings, vertically hinged. |  |
| **Hand Rail** | Left and right side stainless hand rails at entrance door. |  |
| **Heater** | Rear-84,000 BTU under seat heater  Stepwell-52,000 BTU heater  Front-(1) mounted beside driver rated at a minimum of 93,000 BTU’s  Fresh air type, includes (2) heater shut-off valves in the engine compartment. |  |
| **Insulation** | 2” thermal bonded polyester fiber headlining, side and rear walls. (R valve is 6.25) |  |
| **Interior** | Acoustic headlining first two ceiling panels |  |
| **Lettering** | **Front & Rear** |  |
|  | **“SCHOOL BUS”** 8” high x 1 ¼ stroke, maximum. Black block letters |  |
|  | **Sides** |  |
| **(Optional)** | Customer’s name on the flat belt panels approximately 6” x 7/8”. Black lock letters |  |
|  | **Rear Door** |  |
|  | **“EMERGENCY DOOR”** Approximately 2” high x ¼”. Black 6”x1” arrow showing direction of left handle turn |  |
|  | **Roof** |  |
|  | Black numbers of appropriate size |  |
| **Lights** | **Back-up/Stop/Tail** |  |
|  | Sealed, horizontally mounted stop/tail, amber turn and clear back-up. |  |
|  | **Cluster** |  |
|  | (3) amber w/metal protective shields |  |
|  | (3) red rear w/shields |  |
|  | **Directional** |  |
|  | 7” round plain amber at rear |  |
|  | (1) Right and (1) left side directional. |  |
|  | **Dome** |  |
|  | Complies with FMVSS 108 |  |
|  | **Marker** |  |
|  | (2) Front side corners, (2) rear side corners (2) amid ship side roof. Smaller size units have (4) corners only. |  |
|  | **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”x30” safety glass w/edges protected w/rubber. |  |
|  | Exterior adjustable from interior-optional |  |
|  | **Exterior** |  |
|  | (1) Duo-style (Euro-Style) heated |  |
|  | **Crossview (fish eyes)** |  |
| **(Optional)** | (2) Quadrispherical crossview to comply with FMVSS 111 heated-optional |  |
| **Mud Flaps** | Front and rear |  |
| **Rust proofing** | Primer applied to both sides of all painted panels prior to assembly. |  |
| **Seats** | **Driver’s** |  |
|  | Bostrom Routemaster driver’s seat w/5 position tilt and fore and aft and weight adjustment. |  |
|  | Ergonomic Wolf black upholstery with cloth insert. |  |
|  | Seat belt includes 3-point lap/shoulder belt, yellow emergency looking retractor, web sensitive, 175” belt, belt push button buckle, meets FMVSS 209 and 302 |  |
|  | **Passenger** |  |
| **(Optional)** | FMVSS 222-integrated seats (optional). Seating capacity (47) forty-seven |  |
| **Steering Wheel**  **(Optional)** | Switch panel  Door control (optional) |  |
| **Stepwell** | 3-step black rubber with white nosing bonded to 22-gauge steel backing and applied to steps. Diamonette trim on floor edge. |  |
| **Storage** | Overhead storage compartment located over with quick release latches. |  |
| **Sun Visor** | 6”x30” 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** | **Driver’s** |  |
|  | Double sliding sash w/latch. Tempered glass. Composite construction of non-bonded corrosive material. |  |
|  | **Side Windows** |  |
|  | Bonded split sash, with tempered glass. 12” window opening. |  |
| **Windshield Washers** | (2) Electric, approximately one-gallon capacity. |  |
| **Windshield Wipers** | (1) Electric bottom mounted heavy-duty motors with at least 2 speeds. Heavy duty wet arm wipers. INTERMITTENT |  |
| **Wiring** | Color coded and numbered in molding above left and right windows with main wiring down the left side. |  |
| **Safety Equipment** | 5lb. ABCD fire extinguisher  (2) chock blocks-rubber  24-unit first aid kit  Body Fluid clean up kit  Back up alarm  Electric stop arm w/strobe-optional  (2) Roof escape/ventilation hatches and  (4) Emergency push out windows (2 per side) |  |
| **Radio** | AM/FM/CD |  |
| **Air Conditioning**  **(Optional)** | 55,000 BTU rear air conditioner with skirt mounted condenser. |  |
| **Wheelbase** | 10.8 section modules. 110.000 PSI |  |
| **Frame** | 200 H.P. 6-cylinder turbocharged diesel or gas design. Must meet or exceed emission standards. |  |
| **Transmission** | Steering column or dashboard mounted shift control (automatic). |  |
| **Rear Axle** | 17,000 lb. capacity minimum geared appropriately for 70 mph. |  |
| **Rear Suspension** | 19,000 lb. taper leaf springs |  |
| **Front Axle** | 8,000 lb. capacity minimum |  |
| **Front Suspension** | 7,000 lb. taper leaf springs |  |
| **Brakes**  **(Optional)** | Hydraulic disk split system, ABS  (airbrake system- optional)  Emergency brake-hand controlled preferred |  |
| **Tires** | 10R22.5-14 Ply Goodyear-front  10R22.5 Ply Goodyear Mud and Snow-rear |  |
| **Wheels** | 7.50x22.5, Hub piloted disk |  |
| **Chassis Hood** | Non-reflective black |  |
| **Horns** | Dual Electric |  |
| **Turn Signals** | Fender Mounted |  |
| **Alternator** | 200 Amp minimum, 28 SI |  |
| **Batteries** | 2-12-volt 1900 CCA minimum each |  |
| **Block Header** | 115-volt 750 watt |  |
| **Fuel Tank** | 60-gallon mounted between the frame rails-rear or equivalent. |  |
| **Gauges** | Manufacturer’s standard gauge package including ammeter. |  |
| **Cruise Control** | Electronic |  |
| **Diagnostics** | SAE JI587/1708/1939, 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. |  |

Company: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Tel. #: \_\_\_\_\_\_\_\_\_\_\_\_

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

Delivery Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_