**Cost Model**

 **H.T.C MEDIUM-HEAVY BUSES SPECIFICATION**

**Minimum 10 Years/350,000 Miles**

|  |  |
| --- | --- |
| **Body Manufacturer:** |  |
| **Bidder Company Name:** |  |
| **Bidder Address:** |  |
| **Preparer’s Name:** |  |
| **Inspection Facility:** |  |
| **Address of Inspection Facility:** |  |
| **I** | **Instructions:** Complete each section of the following cost model document.  |
| **II** | **COST MODEL** |
|  | **Qty** | **Description** | **Unit Price**  | **Total** |
|  |  | **27 Foot Bus – Vinyl Seat Covers** |  |  |
| 1.
 |  | 32 passenger without lift |  |  |
|  |  | 20+2 passenger with lift  |  |  |
|  |  | **27 Foot Bus – Fabric Seat Covers** |  |  |
|  |  | 32 passenger without lift |  |  |
|  |  | 20+2 passenger with lift  |  |  |
|  |  | **33 Foot Bus – Vinyl Seat Covers** |  |  |
|  |  | 36 passenger without lift |  |  |
|  |  | 26+2 passenger with lift |  |  |
|  |  | 24+3 passenger with lift |  |  |
|  |  | **33 Foot Bus – Fabric Seat Covers** |  |  |
|  |  | 36 passenger without lift |  |  |
|  |  | 26+2 passenger with lift |  |  |
|  |  | 24+3 passenger with lift |  |  |
|  |  | **Conventional – Gasoline Engine** |  |  |
|  |  | **Conventional – Propane Engine** |  |  |
|  |  | **Conventional – Diesel Engine** |  |  |
|  |  | **37 Foot Bus – Vinyl Seat Covers** |  |  |
|  |  | 44 passenger without lift  |  |  |
|  |  | 28+3 passenger with lift |  |  |
| **3.** |  | 28+3 passenger with lift |  |  |
| **4.** |  | **Conventional – Gasoline Engine** |  |  |
| **5.** |  | **Conventional – Propane Engine** |  |  |
| **6.** |  | **Conventional – Diesel Engine** |  |  |
|  |  | **37 Foot Bus – Fabric Seat Covers** |  |  |
|  |  | 44 passenger without lift |  |  |
|  |  | 28+3 passenger with lift  |  |  |
|  |  | 24+4 passenger with lift |  |  |
|  |  | **Conventional – Gasoline Engine** |  |  |
|  |  | **Conventional – Propane Engine** |  |  |
|  |  | **Conventional – Diesel Engine** |  |  |
|  |  | **40 Foot Bus – Vinyl Seat Covers** |  |  |
|  |  | 48 passenger without lift |  |  |
|  |  | 34+3 passenger with lift |  |  |
|  |  | 30+4 passenger with lift |  |  |
|  |  | **Conventional – Gasoline Engine** |  |  |
|  |  | **Conventional – Propane Engine** |  |  |
|  |  | **Conventional – Diesel Engine** |  |  |
|  |  | **40 Foot Bus – Fabric Seat Covers** |  |  |
|  |  | 48 passenger without lift |  |  |
|  |  | 34+3 passenger with lift |  |  |
|  |  | 30+4 passenger with lift |  |  |
|  |  | **Conventional – Gasoline Engine** |  |  |
|  |  | **Conventional – Propane Engine** |  |  |
|  |  | **Conventional – Diesel Engine** |  |  |
| **SUBTOTAL (Buses A-H)** |  |  |
|  |  | **Equipment Options**  |  |  |
|  |  | Air Conditioning – Single System |  |  |
|  |  | Air Conditioning – Dual System |  |  |
|  |  | Air Conditioning – Supplemental Driver Evaporator |  |  |
|  |  | Auxiliary Air Heater  |  |  |
|  |  | Auxiliary Air Heater & Block Heater (in lieu of Aux Coolant Heater) |  |  |
|  |  | Second Passenger Door/Stepwell |  |  |
|  |  | Destination Sign – Roller/Curtain |  |  |
|  |  | Destination Sign - LED |  |  |
|  |  | Donation box (in lieu of standard farebox – deduct) |  |  |
|  |  | Farebox Electrical Prep Only (less standard farebox- deduct) |  |  |
|  |  | Limited Slip Differential  |  |  |
|  |  | **98 Gallon Propane Fuel Tank** |  |  |
|  |  | Paint - One stripe |  |  |
|  |  | Paint - Roof second color |  |  |
|  |  | Paint - Different Full body |  |  |
|  |  | Reflective Vinyl Belt Stripe |  |  |
|  |  | Lift – Type I (in lieu of standard lift - deduct) |  |  |
|  |  | Lift – Type II – Powered outer barrier (in lieu of standard lift) |  |  |
|  |  | Lift - Folding Platform (in lieu of standard lift) |  |  |
|  |  | Wheelchair Single Point Securement System (in lieu of one standard L-Track position) |  |  |
|  |  | Additional Wheelchair Position – L Track System |  |  |
|  |  | Additional Wheelchair Position – Single Point System |  |  |
|  |  | Two-way radio prep package |  |  |
|  |  | Radio - AM/FM stereo system w/ four speakers |  |  |
|  |  | Public Address (PA) System Only w/ two speakers |  |  |
|  |  | Radio – AM/FM/PA System w/ four speakers |  |  |
|  |  | Radio – Speaker only (additional) |  |  |
|  |  | Electric Passenger Door |  |  |
|  |  | Two-Piece Windows (in lieu of transit windows) - Deduct |  |  |
|  |  | Entrance Stepwell Heater |  |  |
|  |  | Electric Driveline Brake (Retarder) |  |  |
|  |  | Hydraulic Brakes (in lieu of air brakes) - Deduct |  |  |
|  |  | Seating – Bench (School Bus Style) – Vinyl |  |  |
|  |  | Seating – Forward Facing Standard Double Seat - Vinyl |  |  |
|  |  | Seating – Forward Facing Standard Double Seat - Fabric |  |  |
|  |  | Seating – Forward Facing Standard Double Seat – Vinyl (Deduct) |  |  |
|  |  | Seating – Forward Facing Standard Double Seat – Fabric (Deduct) |  |  |
|  |  | Seating – Forward Facing Double Fold-A-Way - Vinyl |  |  |
|  |  | Seating – Forward Facing Double Fold-A-Way - Fabric |  |  |
|  |  | Seating – Forward Facing Double Fold-A-Way – Vinyl (Deduct) |  |  |
|  |  | Seating – Forward Facing Double Fold-A-Way – Fabric (Deduct) |  |  |
|  |  | Seating – Single Flip-up – Vinyl |  |  |
|  |  | Seating – Single Flip-up – Fabric |  |  |
|  |  | Seating – Double Flip-up – Vinyl |  |  |
|  |  | Seating – Double Flip-up - Fabric |  |  |
|  |  | Seating – Double w/Single Integrated Child Seat (ICS) - Vinyl |  |  |
|  |  | Seating – Double w/Single Integrated Child Seat (ICS) – Fabric |  |  |
|  |  | Seating – Double w/Single Integrated Child Seat (ICS) – Vinyl (Deduct) |  |  |
|  |  | Seating – Double w/Single Integrated Child Seat (ICS) – Fabric (Deduct) |  |  |
|  |  | Seating – Double w/Double Integrated Child Seat (ICS) - Vinyl |  |  |
|  |  | Seating – Double w/Double Integrated Child Seat (ICS) - Fabric |  |  |
|  |  | Stop Request System  |  |  |
|  |  | Back-up Sensor System |  |  |
|  |  | **Tire Chains** |  |  |
|  |  | Video Surveillance – Two Camera System |  |  |
|  |  | Video Surveillance - Four Camera System |  |  |
|  |  | Video Surveillance - Six Camera System |  |  |
|  |  | Video Surveillance - DVR System Upgrade |  |  |
|  |  | Video Surveillance – Extra Interior Cameras  |  |  |
|  |  | Video Surveillance – Extra Exterior Cameras  |  |  |
|  |  | Video Surveillance Preparation Package |  |  |
|  |  |  |  |  |
| **SUBTOTAL (Options I)** |  |  |
| **GRAND TOTAL EVALUATION PRICE OF A, B, C, D, E, F, G, H, and I, ABOVE**  |  |

**Revision Date 9/19/23**

## Attachment D, EQUIPMENT CHECKLIST

**H.T.C MEDIUM-HEAVY BUSES SPECIFICATION**

**Minimum 10 Years/350,000 Miles**

**Version Date: 5/30/2013**

|  |  |
| --- | --- |
| **I** | **Instructions:** Complete each section of the following Equipment Checklist document. If applicable, provide as much detail as possible, in the evaluation portion, by listing product and model names, sizes, materials used, type, etc. Bidders must also submit all documents and drawings requested within Section VIII. |
| **II** | **BODY SPECIFICATIONS** |
|  |  | **Item** | **Product Name and Model** | **Size, Material, and/or Type** |
|  |  | General design and construction |  |  |
|  |  | Body structure and exterior panels |  |  |
|  |  | Rollover frame, steel cage type |  |  |
|  |  | Body section thickness |  |  |
|  |  | Body section thickness |  |  |
|  |  | Exterior panels  |  |  |
|  |  | Interior panels  |  |  |
|  |  | Interior length |  |  |
|  |  | Interior width |  |  |
|  |  | Interior height |  |  |
|  |  | Exterior length  |  |  |
|  |  | Exterior width |  |  |
|  |  | Exterior height |  |  |
|  |  | Rubrails  |  |  |
|  |  | Body overhang |  |  |
|  |  | Passenger door  |  |  |
|  |  | Opening Size |  |  |
|  |  | Stepwell  |  |  |
|  |  | Interior – Color  |  |  |
|  |  | Flooring |  |  |
|  |  | Emergency exits  |  |  |
|  |  | Gauges  |  |  |
|  |  | Fare box |  |  |
|  |  | Bumpers |  |  |
|  |  | Mud Flaps and Splash Guards |  |  |
|  |  | Towing |  |  |
|  |  | Undercoating |  |  |
|  |  | Rustproofing  |  |  |
|  |  | Interior mirrors  |  |  |
|  |  | Sunvisors |  |  |
|  |  | Exterior Mirrors |  |  |
|  |  | Seats – Driver |  |  |
|  |  | Seats – Passenger |  |  |
|  |  | Seats – Fold-up |  |  |
|  |  | Seats – Flip-up |  |  |
|  |  | Handrails, stanchions |  |  |
|  |  | Interior lighting – LED |  |  |
|  |  | Exterior lighting - LED  |  |  |
|  |  | Heating / ventilating – Front System |  |  |
|  |  | Heating / ventilating – Rear System |  |  |
|  |  | Windows |  |  |
|  |  | Paint  |  |  |
|  |  | Insulation |  |  |
|  |  | Lift (platform type) |  |  |

**EQUIPMENT CHECKLIST**

|  |  |
| --- | --- |
| **III** | **WHEELCHAIR SECUREMENT AREA** |
|  |  | **Item** | **Product Name and Model** | **Size, Material, and/or Type** |
|  |  | Wheelchair securement  |  |  |
|  |  | Wheelchair restraints |  |  |
|  |  | Restraint storage system |  |  |
| **IV** | **CHASSIS SPECIFICATIONS** |
|  |  | **Item** | **Product Name/Model** | **Size, Material, and/or Type** |
|  |  | Chassis |  |  |
|  |  | Tilt Wheel/Power Steering |  |  |
|  |  | Wheelbase - 27 Foot |  |  |
|  |  | Wheelbase - 33 Foot |  |  |
|  |  | Wheelbase - 37 Foot |  |  |
|  |  | Wheelbase - 40 Foot |  |  |
|  |  | Engine - Diesel |  |  |
|  |  | Auxiliary Coolant Heater |  |  |
|  |  | Transmission |  |  |
|  |  | Alignment |  |  |
|  |  | Gross Vehicle Weight Rating (GVWR) |  |  |
|  |  | Front axle rating |  |  |
|  |  | Rear axle rating |  |  |
|  |  | Differential |  |  |
|  |  | Battery |  |  |
|  |  | Battery Cables and Grounds |  |  |
|  |  | Alternator |  |  |
|  |  | Engine Fast Idle |  |  |
|  |  | Brakes |  |  |
|  |  | Fuel tank |  |  |
|  |  | Hazard flashers |  |  |
|  |  | Shock absorbers |  |  |
|  |  | Suspension - Front |  |  |
|  |  | Suspension - Rear |  |  |
|  |  | Stabilizer |  |  |
|  |  | Wheels |  |  |
|  |  | Tires |  |  |
|  |  | Drive shaft |  |  |
|  |  | Wipers / Horn |  |  |
|  |  | Radiator and cooling system |  |  |
|  |  | Fluids |  |  |
|  |  | Engine Cover/Trim |  |  |
|  |  | Exhaust system |  |  |

**EQUIPMENT CHECKLIST**

|  |  |
| --- | --- |
| **V** | **OTHER ITEMS** |
|  |  | **Item** | **Product Name and Model** | **Size, Material, and/or Type** |
|  |  | Safety – Fire extinguisher |  |  |
|  |  | Safety – Reflective triangles  |  |  |
|  |  | Safety – Reverse alarm |  |  |
|  |  | Safety-Rear door alarm  |  |  |
|  |  | Safety- Exterior height (clearance) decal  |  |  |
|  |  | Safety-Lift interlock system |  |  |
|  |  | Safety-Warning/engine shutdown system |  |  |
|  |  | Safety-Headlight control |  |  |
|  |  | Safety-Strobe light  |  |  |
|  |  | Lift circuit breaker |  |  |
|  |  | 12-volt power point |  |  |
|  |  | Wire coding and harnesses |  |  |
|  |  | Electrical panel |  |  |
|  |  | Wiring support |  |  |
|  |  | Wiring grounds and capacity |  |  |
|  |  | Constant run solenoid |  |  |
|  |  | Circuit capacity & function |  |  |
|  |  | Wiring protection |  |  |
|  |  | Wiring routing |  |  |
|  |  | Wiring connections |  |  |
| **VI** | **OPTIONS – ALTERNATE QUOTES** |
|  |  | Air Conditioning – Single System |  |  |
|  |  | Air Conditioning – Dual System |  |  |
|  |  | Air Conditioning – Driver Evaporator  |  |  |
|  |  | Auxiliary Air Heater |  |  |
|  |  | Auxiliary Air Heater/Engine Block Heater (in lieu of aux. coolant heater). |  |  |
|  |  | Secondary Passenger Door and Stepwell |  |  |
|  |  | Destination Sign – Roller/Curtain |  |  |
|  |  | Destination Sign - LED |  |  |
|  |  | Donation box (in lieu of standard farebox – deduct) |  |  |
|  |  | Farebox Electrical Prep Only (less standard farebox- deduct) |  |  |
|  |  | Limited Slip Differential  |  |  |
|  |  | Paint - One stripe |  |  |
|  |  | Paint - Roof second color |  |  |
|  |  | Paint - Different Full body |  |  |
|  |  | Reflective Vinyl Belt Stripe |  |  |
|  |  | Lift – Type I (in lieu of standard lift) |  |  |
|  |  | Lift – Type II – Powered outer barrier (in lieu of standard lift) |  |  |
|  |  | Lift - Folding Platform (in lieu of standard lift) |  |  |
|  |  | Wheelchair Single Point Securement System (in lieu of one standard L-Track position) |  |  |
|  |  | Additional Wheelchair Position – L Track System |  |  |
|  |  | Additional Wheelchair Position – Single Point System |  |  |
|  |  | Two-way radio prep package |  |  |
|  |  | Radio - AM/FM stereo system w/ four speakers |  |  |
|  |  | Public Address System Only w/ two speakers |  |  |
|  |  | Radio - AM/FM/PA stereo system w/ four speakers |  |  |
|  |  | Radio – Additional speaker |  |  |
|  |  | Electric Passenger Door |  |  |
|  |  | Two-Piece Passenger Windows (in lieu of standard transit windows) - Deduct |  |  |
|  |  | Entrance Stepwell Heater |  |  |
|  |  | Electric Driveline Brake (Retarder) |  |  |
|  |  | Hydraulic Brakes (in lieu of air brakes) - Deduct |  |  |
|  |  | Seats – Bench (School Bus Style) |  |  |
|  |  | Seats - Forward Facing Standard Double Seat |  |  |
|  |  | Seats – Forward Facing Double Fold-A-Way |  |  |
|  |  | Seats – Double Flip-Up |  |  |
|  |  | Seats- Double w/Single Integrated Child Seat (ICS) |  |  |
|  |  | Seats- Double w/Double Integrated Child Seat (ICS) |  |  |
|  |  | Stop Request System |  |  |
|  |  | Back-Up Sensor System |  |  |
|  |  | Video Surveillance – Two Camera System |  |  |
|  |  | Video Surveillance - Four Camera System |  |  |
|  |  | Video Surveillance - Six Camera System |  |  |
|  |  | Video Surveillance - DVR System Upgrade  |  |  |
|  |  | Video Surveillance – Extra Interior Cameras  |  |  |
|  |  | Video Surveillance – Extra Exterior Cameras  |  |  |
|  |  | Video Surveillance - Preparation Package |  |  |

**EQUIPMENT CHECKLIST**

|  |  |  |
| --- | --- | --- |
| **VII** | **VENDOR / MANUFACTURER REQUIREMENTS** | **List electronic file names** |
| **A** |  | Bus information furnished |  |
| **B** |  | Manufacturer quality control (name/title) |  |
| **C** |  | Air conditioning certification |  |
| **D** |  | Heating/Ventilating certification |  |
| **E** |  | Purchaser inspection |  |
| **F** |  | Warranty |  |
|  |  |  |  |
| **VIII** | **DOCUMENTS & DRAWINGS** | **List electronic file names** |
|  |  | Bus floor plans indicating dimensions and showing the interior layout of the bus. The plan shall include wheelchair placement, stanchion locations, engineering calculated loaded bus axle weights, and be drawn to scale for all configurations. |  |
|  |  | A copy of the Bus Rollover Protection Test (FMVSS 220), 49CFR §571.220 and School Bus Joint Strength (FMVSS 221), 49CFR § 571.221 results of the bus offered as specified in the bid. |  |
|  |  | As required by Title 49 of the CFR, Part 663 – Subpart D, a copy of the manufacturer's self-certification information concerning the bus’s compliance with relevant Federal Motor Vehicle Safety Standards (pre-award) |  |
|  |  | Buy America analysis of manufacturer's list of component and subcomponent parts (pre-award). |  |
|  |  | Detailed engineering drawings of the entrance door and door opening device design. |  |
|  |  | Detailed engineering drawings of entrance step configuration design |  |
|  |  | Roof, sidewall, and flooring drawings showing structure and structural specifications indicating metal size and type used. Include side sheathing and inside panels. |  |
|  |  | Manufacturer’s chassis description (specifications) |  |
|  |  | Detailed engineering drawings of the body to chassis frame mounting |  |
|  |  | Manufacturer's technical specifications for wheelchair lift manufacturers’ specifications. Manufacturer's sales literature is acceptable if it contains the technical specifications. |  |
|  |  | Body, chassis, and drive train warranties |  |
|  |  | Seat covering material flammability and smoke technical data |  |
|  |  | Seat frame salt spray test data and impact resistance test results |  |
|  |  | Seat ,seat belt, and installation certification are in compliance with FMVSS-207, 208, 209, and 210 where applicable for the bus model being offered in this bid |  |
|  |  | Wiring and switch certification for air conditioning and all add-on components are adequate to withstand transient loads expected |  |
|  |  | Dealer Agreement between the Bus Manufacturer and the designated bidder |  |
|  |  | Certification for 1,000 hour salt spray test per ASTM procedure B-117. |  |
|  |  | Bus turning radius: wheel-to-wheel  |  |
|  |  | Bus turning radius: wall-to-wall |  |
| **IX** | **ALTERNATIVE PRODUCT - List all alternative products in the space below:** |
|  |
| **X** | **BIDDER COMMENTS** |
|  |