VEHICLE SPECIFICATION AMENDMENTS
FOR
KANSAS CTD COUNCIL
COURTESY BID
001-12

The following additions, corrections, changes, and notes to the vehicle specifications were made based on input at (or received before) the Pre-Bid Conference held on July 20, 2011. The Request for Quotation **#001-12** was mailed from the Kansas CTD Council on July 1, 2011. The courtesy bids are due back to the Kansas CTD Council by **mail** on **August 19, 2011** or they may be **hand delivered** to the bid opening on **August 22, 2011**.

MINI-VAN (MV-12)

- No changes.

RAMP ACCESSIBLE PASSENGER CONVERSION MINI-VAN (RMV-012)

- No changes.

MINI COMPOSITE/FIBERGLASS BUS (13-PASSENGER—Wide Body) (C13W-12)
MINI METAL BUS (13-PASSENGER—Wide Body) (M13W-12)
SMALL TRANSIT COMPOSITE/FIBERGLASS BUS (20-PASSENGER WITH FIXED ROUTE EQUIPMENT) (C20-12)
SMALL TRANSIT METAL BUS (20-PASSENGER WITH FIXED ROUTE EQUIPMENT) (M20-12)

The following changes apply to these 4 types of vehicles:

- The specification for **HEATER/DEFROSTER** has been replaced with the following:

______ **HEATER/DEFROSTER:** Heating equipment shall conform to the following:

Exceptions: ___________________________________

1. Dash Unit – OEM standard factory heater/defroster to be furnished.
2. Auxiliary Heater – The vehicle shall be equipped with a hot-water, forced air re-circulating heater of 42,000 BTU rating (minimum) located in the rear half of the passenger area. This heater, in combination with the standard factory dash unit, shall be capable of maintaining an interior temperature of 70 degrees Fahrenheit with an exterior temperature of 0 degrees Fahrenheit and no wind.
3. All heaters shall bear a name plate which shall indicate the heater rating in accordance with the standard code for testing and rating automotive bus hot water heating and ventilating equipment. Said plate is to be affixed by the heater

manufacturer which shall constitute certification that the heater performance is as shown on the plate.

4. Heater hoses shall be adequately supported to guard against excessive wear due to vibration. The hoses shall not dangle or rub against the chassis or sharp edges and shall not interfere with or restrict the operation of any engine function. A coolant shut-off valve and hoses that allow the hot coolant flow to the rear heater coil to be shut off will be installed and may be placed underneath and outside of the vehicle, but the shutoff valve must be placed in an easily accessible position and the valve and hoses must be well secured in a protected environment. If outside, a sticker indicating the location of the shutoff valve shall be placed on the body of the vehicle directly above its' location and properly marked "coolant shutoff valve". This valve shall be a lever actuated ball valve. Heater hose shall conform to standard SAE J20c. Heater lines inside the passenger compartment shall be guarded to prevent accidental contact by driver or passengers.
5. Defrosting equipment, OEM or equivalent, shall keep the windshield and the window to the left of the operator clear of fog, frost and snow. Defroster ducts, if used, shall be designed to prevent the placing of objects which might obstruct the flow of air. Portable heaters may not be used.

- The specification for **LIGHTS** has been replaced with the following:

______ **LIGHTS:** Shall be as follows:

Exceptions: ___________________________________

1. All none OEM lighting shall be LED.

2. Adequate lighting shall be located inside the vehicle to provide for passenger and driver convenience and safety. All lighting controls shall be located within easy reach of the driver's seat. Exterior lighting shall conform to federal and state statutes covering vehicle lighting.

3. Any step well or doorway immediately adjacent to the driver shall have, when the door is open, at least 2 foot-candles of illumination measured on the step tread.

4. Other step wells and doorways, including doorways in which lifts are installed, shall have, at all times, at least 2 foot candles of illumination measured on the step tread, or lift, when deployed at the vehicle floor level.

5. The vehicle doorways, including doorways in which lifts are installed (excluding the rear emergency door), shall have outside light(s) which, when the door is open, provide at least 1 foot-candle of illumination on the street surface for a distance of 3 feet perpendicular to all points on the bottom step tread outer edge. Such light(s) shall be located below window level and shielded to protect the eyes of entering and existing passengers.

6. A rear center high mounted stop light (brake light) shall be provided as standard equipment.

7. Armored mid-ship side turn/marker lights shall be provided on both sides of the vehicle.

- The specification for **DOORS** has been replaced with the following:

______ **DOORS:** Shall be as follows:

Exceptions: ____________________________________

1. All external doors, except for the front passenger entrance door, shall be capable of being locked from the outside of the vehicle. The entrance door must be: an electric two-piece school bus type split-leaf with curb vision windows and overlapping rubber seals with a manual override. Shall include an electric exterior key switch for entry door, such as a Kubota brand (or equivalent). The entrance door opening shall be a 26” clear opening measured between the handrails.

   Wheelchair lift door shall be a double out-door design, capable of being locked from the outside. Lift shall be mounted on the curbside of the vehicle, behind the rear wheel. Pneumatic cylinders for opening and closing the doors shall be installed. These cylinders shall be capable of holding the doors in the fully open position when the lift is in use. The door latch shall control the upper and lower slam type or 3 point latching system to insure a positive latching and sealing around the door’s periphery. The doorframe shall be constructed of aluminum, steel or stainless steel with sufficient weight and strength to support the wheelchair lift door and the wheelchair lift. The wheelchair lift doors shall have outside latches or “T” catches to keep the doors open in high winds.

2. **Emergency Exit Doors (Standard for all vehicles).** The vehicle shall have a single emergency exit door in the rear with upper and lower tempered safety glass, which can be opened from either the inside or outside. The door shall be plainly marked "**Emergency Exit**" in contrasting letters at least 2" high on the inside. The door shall be marked "**Emergency Exit**" in at least 2" high letters on the door exterior. The door shall have a buzzer that will warn the driver if the door is ajar. There should also be a starter interrupt installed that prevents the engine from starting if the emergency exit door is locked. The inside-operating handle shall be clearly marked to indicate location and operation, and this handle must be padded for occupant protection. The handle shall “turn-up” to open to prevent someone from accidentally bumping the handle and the door opening. Vehicles must comply with FMVSS 217 concerning provision of emergency exits. Rear seat shall be modified to allow use of the emergency door by having a minimum of a 14" aisle between the rear seat to allow exit through the door(s). The emergency door height must be a minimum 47" from the top of the floor.

Arrangement of seats shall be designed to provide maximum seating capacity. The following dimensions shall be used:

14" minimum aisle
17" minimum rump room

29" minimum center to center seat row spacing

A black plastic armrest must be provided at the aisle end of each passenger seat. All material used in the upholstery of the seats shall meet FMVSS30L. All passenger seats must be the same color as the driver's seat. **A detailed diagram of the proposed seating plan to be used in the bid MUST be included with bid package**. The proposed seating plan is to be considered standard equipment and its cost should be included in the base bid. Seating Plan for use with wheelchair lift and restraint systems will be treated as an optional item and any additional cost should be bid with the options. **Each wheelchair location shall provide for forward facing of wheelchair. All wheelchair locations will be in the rear of the vehicle.** See Padded Stanchions and Handrails, page 8 for additional seat information. Rear seat shall be modified to allow for use of the emergency exit as detailed in DOORS, Emergency Exit Doors.

OPTIONAL ITEMS:

- The specification for **OPTIONAL ITEM: WHEELCHAIR LIFT AND LIFT DOOR** has been replaced with the following:

________ **4**. **WHEELCHAIR LIFT AND LIFT DOOR:** An electro-hydraulic or electro-mechanical powered wheelchair lift shall be mounted on the curbside of the vehicle behind the rear wheel and be accessible via access doors. The lift shall have a platform, which can be raised and lowered, to a fully cantilevered position, and platform is to be of sufficient strength to support an 800-pound load. The lift shall be mounted on the vehicles in such a manner that cutting of structural members is not required, and also the lift shall be constructed so as to clear the side of the vehicle without extensive, if any, structural body modifications. The lift platform shall have a provision for mechanically (interior & exterior roll stop barriers) holding the wheelchairs in place as they are raised or lowered. The lift must meet all ADA requirements as delineated in the Federal Register, Part IV, Department of Transportation, 49 CFR Parts 27, 37, and 38, Transportation for Individuals with Disabilities; Final Rule, Friday, September 6, 1991, and the FMVSS regulations as delineated in the Federal Register, Part IV, Department of Transportation, 49 CFR Part 571, Federal Motor Safety Standards; Platform Lifts Systems for Accessible Motor Vehicles, Platform Lift Installation on Motor Vehicles; Final Rule, Friday, December 27, 2002. Platform shall have a usable minimum width of 34 inches and a minimum depth of 48 inches. WARNING: Failure of the lift to meet the ADA and FMVSS requirements will be cause for the vehicle to be rejected. Power unit shall be 12-volt electro-hydraulic operated. Power unit shall be capable of operation in temperatures to –20F degrees and shall be readily accessible for maintenance. The lift shall be equipped with a hand pump for powering lift up and down in the event of power failure. Throughout the range of lift operation, all edges of the platform surface and the visible edge of the vehicle floor or bridging device must be outlined in a minimum of 1 inch wide outlines that contrast greatly with the background color (e.g., bright yellow outlines on a black platform surface).

Installation of the wheelchair assembly shall not cause excessive unbalanced loading of the vehicle. The installed lift shall be free from rattles and other objectionable noises in the stowed position when the vehicle is operated over rough roads. The design and installation shall minimize metal-to-metal contact points. If necessary the bidder shall supply additional restraints or padding to ensure the quiet riding of the lift in the stowed position.

The controls shall be interlocked with the vehicle brakes, transmission, or door, or shall provide other appropriate mechanisms or systems to ensure that the vehicle cannot be moved when the lift is not stowed and so the lift cannot be deployed unless the interlocks or systems are engaged.

Wheelchair lift door shall be a double out-door design, capable of being locked from the outside. Lift shall be mounted on the curbside of the vehicle, behind the rear wheel. Pneumatic cylinders for opening and closing the doors shall be installed. These cylinders shall be capable of holding the doors in the fully open position when the lift is in use. The door latch shall control the upper and lower slam type or 3 point latching system to insure a positive latching and sealing around the door's periphery. The doorframe shall be constructed of aluminum, steel or stainless steel with sufficient weight and strength to support the wheelchair lift door and the wheelchair lift. The wheelchair lift doors shall have outside latches or "T" catches to keep the doors open in high winds.

Exceptions: ____

_______ **8. CHILD RESTRAINT SEAT:** C. E. White Integrated Child Restraint School Bus Seat, 36" (or equivalent). Price bid will be for a double child restraint seat. A lap belt must still be provided in all positions where an integrated child restraint seat is placed. This will allow the use of the seat by another passenger (adult or larger child) when the child restraint is not being used. This belt should be an under the seat retractable type.

Exceptions: ____________________________________

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SMALL TRANSIT COMPOSITE/FIBERGLASS BUS (20-PASSENGER WITH FIXED ROUTE EQUIPMENT) (C20-12)
SMALL TRANSIT METAL BUS (20-PASSENGER WITH FIXED ROUTE EQUIPMENT) (M20-12)

The following changes apply to these 2 types of vehicles:

OPTIONAL ITEMS:

- The specification for **OPTIONAL ITEM: ROUTE DESTINATION SIGNS** has been replaced with the following:

______**16. ROUTE DESTINATION SIGNS**: Each bus shall be equipped with two (2) LED Electronic Destination Signs. One shall be mounted in the upper windshield and one shall be mounted in the upper section of the side window behind the entry door. The signs shall allow agencies to have route messages of at least 4.25” tall. Manuals and instructions on the programming and use of the signs must be included with the vehicle. Arrangement for placement of signs needs to be work with the agency ordering but must meet all ADA requirements. A full pixel test is required at the time of delivery.

Exceptions: ___________________________________

- The specification for **OPTIONAL ITEM: REAR FLASHING LIGHTS** has been replaced with the following:

______**19. REAR FLASHING LIGHTS**: Each bus shall be equipped with 7” LED rear lights. These lights shall be amber in color. These lights shall be activated with the OEM flasher lights are activated. A switch to activate the rear lights and OEM flashers shall be installed on the console for easy access to the driver and shall be an illuminated switch.

Exceptions: ___________________________________

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I have received and read the "Vehicle Specification Amendments" and understand that the changes, additions or corrections included supersede the vehicle specifications mailed on July 1, 2011. I also understand that if my company is awarded the courtesy bid on any of the vehicles, I am responsible for complying with the "Vehicle Specification Amendments" and all other specifications when I supply the vehicles ordered.

COMPANY NAME: ___________________________

SIGNED BY: ________________________________

DATE: _____________________________________

(This form along with the initialed “Vehicle Specification Amendments” must be submitted along with the other required forms as a part of your bid proposal.)