ONE (1) FIFTY-FOUR (54) PASSENGER SPECIAL NEEDS TRANSPORT-CAPABLE BUS

BIDS DUE: 1:00 P.M. (LOCAL TIME), MONDAY, MAY 18, 2015

NAME OF BIDDING FIRM: _________________________________________
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INSTRUCTIONS AND CONDITIONS FOR SUBMITTING BIDS:

**BIDS MUST BE SUBMITTED AS COMPLETE BUS BIDS.**

1. Bidder is required to use the enclosed bid forms. **All Bids Must Contain The Following:**
   
   A) Overall base bid for a single 54-passenger special needs bus, which includes all aspects of the bus except for additional options which are to be listed on the additional options section below.
   
   B) Itemized cost for each option.

   **NOTE:** Failure to follow bid procedures as outlined above may result in rejection of bid.

   **NOTE:** Unless stated in writing by the bidder, it is assumed by purchaser that base bid includes and meets all specifications as stated in this document.

   **NOTE:** The name, address of bidder and date of opening must be shown on the outside of each SEALED envelope containing each bid.

2. All prices must be firm for ninety (90) days. **Check your bid carefully because it cannot be altered after bids are opened.** Bidders must deliver at prices quoted even if prices quoted are in error.

3. Federal and state taxes should not be included (public schools are tax exempt in Ohio).

4. Quotations must be Free On Board (F.O.B.) destination.

5. Cash discounts will be considered in determining the final net price bid.

6. The purchaser may accept or reject any or all bids. The purchaser may waive defects in the form of the bid when no prejudice will result to the rights of any bidder or the public.

7. Bidders shall accompany their bids with a bid bond for full amount of bid; **OR** a certified check, cashier's check or letter of credit made payable to the Board of Education, Winton Woods City School District, in the amount of ten percent (10%) of the bid submitted.

8. Bid must be delivered to WWCSD by **1:00 p.m. (Local Time), Monday, May 18, 2015.**

9. Return one sealed copy to:
   
   Winton Woods City School District
   Steve Denny, Director of Business Affairs
   1215 West Kemper Road, Cincinnati, OH 45240

   Inquiries may be addressed to:
   
   Steve Denny, Director of Business Affairs, (513) 619-2400
   or
   Kristi Hooper, Transportation Director, (513) 619-2405
STANDARD SPECIFICATIONS

Standard bus body, chassis and equipment. Fifty-four (54) passenger conventional type bus with lift and space for four (4) wheel chairs.

The bus body and chassis must meet or exceed all minimum standards set by the State of Ohio and Federal Standards, as well as any additional requirements listed in the following specifications. The list of standard items below show certain minimum specifications permitted. In some cases, the following specifications may exceed Ohio and Federal specifications. In other cases items are shown to emphasize a certain established minimum standard, to acquire information about a specific item, or to emphasize a new minimum requirement of Ohio or Federal Standards.

SPECIFICATIONS FOR ONE (1) FIFTY-FOUR (54) PASSENGER SPECIAL NEEDS-CAPABLE BUS.

Read carefully and be sure to include information pertaining to those items where blanks are provided and return with your bid document.

The school bus is being purchased specifically for the transportation of physically handicapped students. Seating arrangement and equipment location shall allow for more wheelchair spaces if necessary. The Braun lift shall be located on the right side of the bus body, attached to the chassis frame, and shall be completely confined within the shell of the standard school body.

Bidders are requested to submit bid proposals for one (1) diesel fifty-four (54) passenger bus according to the following specifications established by the Winton Woods City School District Board of Education and must meet minimum State of Ohio and Federal school bus standards.

### A. STANDARD BODY ITEMS:

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<th>Specifications</th>
<th>Able to Meet Specifications</th>
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<td>Yes</td>
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<td><strong>Aisle</strong> - Minimum clearance between seats of 12 inches at seat level and 14 inches at top of seat.</td>
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<td><strong>Battery</strong> - To be mounted on a drawer-type, pull-out tray equipped with nylon rollers and a locking mechanism large enough to hold three (3) 12 volt batteries.</td>
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<td><strong>Bumper</strong> - Rear bumper shall be wrapped around back corners of bus and extend forward at least 12 inches, measured from rear most point of body at floor line. Front ends of rear bumper shall be enclosed or rounded or tucked in so as to be free of sharp edges or projections likely to cause injury or snagging. Flat faced front bumper. Two (2) rear AND two (2) front tow hooks to be installed per state specs (also see page 15, item # 22).</td>
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<td><strong>Color</strong> - Lettering, numbering, floor level rub rail, seat level rub rail, and background area for warning light system shall be painted black, as well as the rear bumper. Other areas which the manufacturer would normally paint black shall be okayed by the purchaser before painting black.</td>
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<td><strong>Construction:</strong> (a) Structural members, inside and outside panels, floor panels, joints and floor sills shall be of prime commercial quality, mill applied, zinc-coated steel on all surfaces. Components heavier than 12-gauge are excluded.</td>
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(b) All metal surfaces that will be painted shall be in addition to the above requirements, chemically cleaned, etched, zinc-phosphate coated, and zinc-chromate or epoxy primed or conditioned by equivalent process. ___ Yes ___ No

(c) Metal surfaces which are not painted, but which are cut or formed, shall undergo a zinc-phosphate or equivalent process after the alteration so that any stress cracks or cut edges are protected from moisture and oxidation. ___ Yes ___ No

(d) Manufacturer shall guarantee bus body to be free of water leaks for two (2) years after being put into regular service. ___ Yes ___ No

(e) Body construction shall provide a reasonably dust-proof, as well as water-tight unit for two (2) years after being put into regular service. ___ Yes ___ No

(f) Flat floor (no wheel wells) shall be at least 14 gauge, mill applied, zinc-coated steel on all surfaces. Main cross members shall be minimum 10-gauge steel or equivalent and placed at each side post extending the full width of the floor plate and permanently attached. A minimum of two intermediate floor cross members of at least 14-gauge steel shall be equally spaced between the main cross members and permanently attached. ___ Yes ___ No

(g) All longitudinal side strainers and members shall be a minimum of 16-gauge steel. ___ Yes ___ No

(h) Rub rails shall be a minimum of 16-gauge steel, corrugated or ribbed pattern including lower edge of skirt panel. ___ Yes ___ No

(i) All body components shall be designed and constructed so as to avoid entrapment of moisture. ___ Yes ___ No

(j) Full acoustic sound abatement package required. ___ Yes ___ No

6. Defroster - The two (2) six (6) inch auxiliary defroster fans shall be mounted overhead so as to compliment the primary defroster system used by the body manufacturer. Defroster system shall exceed Society of Automotive Engineers standard, J381-J382, performance requirements without the use of auxiliary fan and with three (3) gallons per minute and 170 degree water applied. ___ Yes ___ No

7. Doors:
   (a) Split outward thirty-two (32) inch service door - air operated. ___ Yes ___ No

   (b) Service door entrance shall have three (3) steps covered with rubber. ___ Yes ___ No

   (c) A padded head bumper shall be installed on the inside at the top of the entrance door extending across entire top of opening and shall be approximately 4" wide. ___ Yes ___ No

   (d) All edges of the service door shall be sealed by flexible rubber or equivalent material to prevent air from entering door entrance when closed. ___ Yes ___ No

   (e) Safety rail or hand holds shall be mounted on left side of steps as you enter the bus from the outside. NO rails or holds to be mounted on doors. ___ Yes ___ No
(f) Rear emergency door shall contain upper and lower glass panels.  
   Yes  No

(g) Emergency door shall meet FMVSS standards.  
   Yes  No

(h) Operating instructions for emergency door use shall be lettered or decaled on inside of door.  
   Yes  No

(i) A padded head bumper shall be installed on inside above the emergency door.  
   Yes  No

(j) Access door shall exit in front to allow for easy access to service dash, heater core and windshield wipers.  
   Yes  No

(k) Rear emergency door shall have pin-style interior hinges **NOT** exposed to exterior elements.  
   Yes  No

8. Emergency Equipment:
   (a) Fire extinguisher - Dry chemical, at least 5 pound capacity, 40 B.C. rating with a quick release mounting bracket. Extinguisher must be able to be refilled by ordinary procedures. Must have metal nozzle and meet standards for State.  
      Yes  No

   (b) Body fluid clean-up kit.  
      Yes  No

   (c) Three (3) triangle reflectors with weighted stands, properly encased for easy storage with six (6) fuses, 30 minute type, which shall be encased in a suitable container.  
      Yes  No

   (d) First Aid Kit - 24 unit kit.  
      Yes  No

9. Floor and Floor Covering:
   (a) All floor covering shall be fire resistant and permanently bonded to the floor and must not crack or lose its adhesive power when vehicle is subjected to sudden changes in temperature. Bonding or adhesive material shall be waterproof and recommended by the manufacturer of the floor covering material.  
      Yes  No

   (b) Underseat areas shall have a smooth fire-resistant floor covering, having a minimum overall thickness of one-eighth inch. The entire joint between the floor covering and the wall of the school bus body shall be covered with a curved, fitted, rust-free metal or composite molding or reformed interior panel.  
      Yes  No

   (c) Driver’s compartment floor area shall provide sure footing when wet and be of the same quality material as the underseat floor covering. The driver’s compartment floor covering shall be permanently bonded to the floor. A floor mat is not acceptable.  
      Yes  No

   (d) Center aisle covering shall be fire-resistant, non-skid, wear-resistant and ribbed. Minimum thickness shall be one hundred eighty-seven thousandths inch measured from the top of the ribs.  
      Yes  No

   (e) A transmission inspection plate shall be installed for easy servicing of the clutch and transmission. The plate shall be installed above the regular floor covering  
      Yes  No
when possible and shall not be undercoated.

(f) Break, gear shift, and accelerator boots supplied by the manufacturer shall be installed by the school bus manufacturer.

(g) Metal or composite molding or non-metal welding is acceptable.
   1) Metal or composite molding or non-metal welding shall cover all floor-covering joints between the ribbed center aisle and smooth underseat floor covering.
   2) Cove molding is required at the junction of the floor covering and side wall. Molding may be formed to the side wall panel or separate cover base.
   3) Molding around the wheel-well and floor covering shall be provided to seal floor covering with the wheel-well.

(h) Accelerator boot will be used around the accelerator rod passing through the toe-board or floorboard to prevent fumes or dust from entering the driver’s compartment.

(i) Entrance step treads, including the edge at floor level, shall be of the same quality as the aisle material and shall be formed with a minimum turn-down lip of three-fourths inch. Step treads shall have an integral white, yellow or orange nosing of one and one-half inch or more or use diagonal stripes. Treads shall be permanently bonded to the metal steps and sealed to prevent water from getting underneath the step tread.

(j) A fuel access plate shall be installed for easy access to fuel gauge mechanism and shall be installed above the regular floor covering when possible. The access plate shall not be undercoated. Panel shall be identical to floor material in thickness and coating and shall be sealed to prevent any leakage or moisture. Interior shall not be undercoated.

(k) Floor covering on top step landing shall be one piece.

(l) A 5/8” treated Marine-grade plywood flooring to be installed between metal and rubber flooring.

10. Fuel Opening:
The fuel fill opening in the body skirt shall be equipped with a hinged cover held closed by a spring or other conveniently operated device. The mechanism that holds this cover closed shall be sufficient to keep it closed under severe operating conditions. The fuel fill opening shall be large enough to permit the entire pump nozzle to pass through the opening and reach the fill neck of the fuel tank.

11. Heaters:
Bus shall be equipped with left and right front heaters and an integrated defroster system. This front system (MINIMUM 90,000 BTU FRONT DRIVER’S HEATER) shall be of sufficient capacity to heat the driver compartment, especially the driver's feet, the stepwell area (minimum 50,000 BTU STEPWELL HEATER), and the passenger area from the front back to the rear wheels. The defrosting system shall be sufficient to defrost the entire windshield (DEFROSTER CHANNEL FULL LENGTH OF WINDSHIELD) & service door.
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<th>(a) There shall be a heater water flow regulating valve installed for convenient operation by the driver in a normal seated position.</th>
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<td>(b) Heat pump kit to circulate water.</td>
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<td>(c) School bus heating systems shall provide evenly distributed heat throughout the bus body and provide defrosting for windshield and entrance door.</td>
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<td>(d) Heaters shall have the capability of providing evenly distributed heat creating a temperature rise to fifty degrees (50°) Fahrenheit inside body shell when soaked in ambient temperature of zero degree (0°) Fahrenheit for fifteen (15) hours.</td>
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<td>(e) School buses shall be equipped with three (3) or more hot water heaters capable of maintaining inside temperature of fifty degrees (50°) Fahrenheit with one hundred fifty degree (150°) Fahrenheit water being delivered to the system at a rate of six (6) gallons per minute using an ambient temperature of zero degrees (0°) to ten degrees (10°) Fahrenheit.</td>
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<td>(f) Conventional-type buses shall be equipped with right and left front heaters and an integrated defroster system with the capacity to provide heat for the front part of the bus driver’s compartment to keep the windshield area, service door glass, driver’s left glass area and step-well clear of moisture, ice and snow.</td>
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<td>(g) Hot water heaters shall display the name plate rating in accordance with the standard code for testing and rating automotive bus hot water heater and ventilating equipment.</td>
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<td>(h) A third heater is required on all type B, C, and D school buses and is to be mounted to the rear of the rear wheel-well.</td>
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<td>(i) Two-speed switches shall operate all heater fans independently.</td>
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<td>(j) All hot water lines shall be a minimum of one inch (1”) inside diameter and shall be enclosed.</td>
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<td>(m) Heater cores and fans shall be completely encased, but designed to permit servicing heating assembly by removing all or part of the case.</td>
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|   | (n) Heater hose installation in the engine compartment shall include two (2) brass shut-off valves able to shut off coolant completely when necessary.  
   1) One shut-off valve shall be mounted between the water pump inlet and heater hose connection.  
   2) One shut-off valve shall be mounted between the motor block and the heater hose connection. |   |   |
|   |   |   |   |
|   | (o) The body manufacturer shall add the required amount of permanent ethylene-glycol base anti-freeze to protect the cooling system to minus twenty degrees Fahrenheit (-20°) tested at normal engine temperature. |   |   |
|   |   |   |   |
|   | (n) There shall be a heater water-flow regulating valve installed for convenient operation when the driver is in a normal seated position. |   |   |
|   |   |   |   |
|   | (o) Heater cores shall meet the following test standards: |   |   |
1) Static pressure test of one hundred fifty pounds (150) per square inch.  
2) Cycle test of twenty (20) to fifty (50) pounds per square inch hydraulic surge pressure, four hundred fifty thousand (450,000) cycles minimum.

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12. **Identification:**
   (a) Body company must comply with specifications of the school district supplied to the successful company after the bids are awarded, so long as Ohio specifications are met.  
   (b) Ohio registration numbers, front and rear, will be put on by school district.

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13. **Interior:**
   (a) Aluminized or equivalent metal interior siding from floor up to windows.  
   (b) Padded shoulder pad below windows, the full length of the passenger section of the bus.

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14. **Lamps, Signals and Reflectors:**
   (a) Dome lights:
      (1) A separate light located above driver compartment and on a separate switch.  
      (2) A minimum of four (4) dome lights above passengers and operated on one switch separate from driver light switch. These lights shall be spaced so as to distribute light evenly over the passenger area.  
      (3) Two back dome lights shall be on separate switch.  
      (b) Stepwell light - Shall be wired to marker light circuit and activated by a switch controlled by the service door.  
      (c) Backup lights & alarm - Audible alarm (107 decibel minimum).  
      (d) Cluster lights - Cluster lights and/or clearance or marker lights shall be switched on from the headlight control switch.  
      (e) Warning lights -  
         (1) Eight (8) light system. Shields above warning lights front and rear.  
         (2) Controls for system shall be located on console panel in such a way as to be easily seen by and accessible to driver. All buses must have identical control panels.  
         (3) A separate master switch and an activating switch or lever shall be installed.  
         (4) Control system shall allow for an automatic sequence to occur once the activating switch has been activated for amber lights. This shall include an automatic canceling of red lights upon closing of the service door.  
      (f) Exterior entrance light mounted on skirt panel behind entrance door, activates when door is open.
15. **Stepwell:** Three (3) steps covered with rubber.  
   Yes | No

16. **Mirrors:**  
   (a) Interior shall be one (1) of minimum dimensions of six inches by 30 inches.  
      Yes | No
   (b) Exterior shall be two (2) at 6” x 16” minimum, double post only. Heated Mirrors with Lighted Switch(s). Mirrors must also be motorized.  
      Yes | No
   (c) One (1) 10” mirror on each front fender. Bus Boy type, heated with (a) lighted switch(es).  
      Yes | No

17. **Mud Flaps** - Required both front and rear.  
   Yes | No

18. **Radio** – **Required:** Digital VHF two-way radio (Motorola – Model # XPR4350).  
   Yes | No

19. **Rub Rails** - A bottom rub rail or snow rail shall be installed and painted black.  
   Yes | No

20. **Seats:**  
   (a) Driver's seat shall be Bostrom Air Ride Seat or equivalent approved by school district, with seat belts and upper torso (ELR) restraint system.  
      Yes | No
   (b) All seating and restraining barrier design and construction must meet or exceed the provisions of FMVSS.  
      Yes | No
   (c) Standard cushion seats and backs.  
      Yes | No
   (d) Seats mounted on a side rail which is secured to body side posts.  
      Yes | No
   (e) **Seats displaced by wheelchair space are to be included.**  
      Yes | No
   (f) **Seat belts to be attached to all seats.**  
      Yes | No

21. **Stop Arm** (Octagonal shape only):  
   (a) Must meet or exceed SAE standards.  
      Yes | No
   (b) Arm shall operate only when red lights are actuated.  
      Yes | No
   (c) Sign shall have alternating red flashing strobe lights.  
      Yes | No
   (d) Air actuated.  
      Yes | No

22. **Windshield and Windows:**  
   (a) Fully tinted windshield with shade band.  
      Yes | No
   (b) Wet arm windshield washer and wipers.  
      Yes | No
   (c) Driver's left window shall meet Ohio and Federal specifications.  
      Yes | No
   (d) Passenger windows shall be double-sash type.  
      Yes | No
   (e) Full vision rear windows.  
      Yes | No
Yes  No
(f) Passenger windows shall have a minimum vertical opening of 9".  

(g) Two (2) emergency swingout windows each side of bus.  

23. Wiring:
(a) Wiring circuits shall be adequate to carry the full load when everything is turned on.  

(b) Each body circuit shall be color coded and a diagram of the circuits shall be supplied at time of delivery.  

(c) A special wiring conduit or channel shall be used to carry wire from front to rear of the bus. This conduit must be readily accessible from the interior of the bus and provide the school district with ready access to wiring.  

24. Roof Escape Hatches/Vents - Two (2) emergency escape/vent hatches. One (1) in front and one (1) in rear of bus.  

25. Undercoating - Entire underside of body including floor components, side and panels below floor level, and extension battery drawer. Care shall be taken not to cover holes designed to help drain water, or in any way to trap moisture.  

26. Tail Pipe - Rear tail pipe to Ohio specifications.  

27. Braun Lift - Electric lift with manual back-up system for raising the platform.
(a) Must be able to handle chair and attendant (900 lbs.).  

(b) Platform shall be constructed with non-skid rubber or grip-designed steel.  

(c) Platform shall have a safety stop.  

(d) Flexible seals designed to keep out dirt, water, and fumes when platform is in locked position shall be installed.  

(e) The enclosure around the lift, both above and below the floor line, shall be constructed in such a way as to prevent limbs from being injured as the platform is raised and lowered.  

(f) Positioning of controls to operate the lift shall be convenient for the attendant while standing on the platform regardless of the position of the platform.  

(g) The lift system shall be designed so as not to allow the lift platform to lift the bus as it makes contact with the ground.  

(h) Lift platform and the entire lift enclosure shall be free of any exposed sharp edges or projections.  

(i) Lift is not to obstruct visibility for the driver by covering any portion of the bus windows when the lift is in closed position.  

10
(j) The entire power unit and lifting mechanism shall be enclosed. Access for servicing and maintenance shall be through a panel.

(k) Lift to be installed right rear side of bus.

28. Install Q-Straint Wheel Chair Locking Devices
   (a) There is to be sufficient space between wheelchairs, that the middle chair can be taken out without moving the chair on either side.
   (b) Four (4) wheelchair spaces.
   (c) Four complete sets of Q–Straint (QRT max. preferred system).

29. Special Service Door at Lift
   (a) When fully opened, special service door must not obstruct regular service opening.
   (b) A drip mold shall exist above special service door to keep water away from entrance.
   (c) Door(s) must open outwardly.
   (d) A safety switch shall be installed which will deactivate the operation of the lift when the door(s) would be closed. This switch shall not allow operation of the lift unless the door(s) would be open.
   (e) A safety switch shall be installed that will activate a buzzer if the door(s) are not completely closed. However, this buzzer must be deactivated while the lift is in operation.
   (f) Door(s) shall have a recessed outside handle.
   (g) Door(s) shall have glass window(s) set in rubber compatible with and set to the lower line of adjacent sash.
   (h) Light is to be installed over special service door.

30. Heaters:
   (a) Three heaters required, none of which are to be mounted under a wheelchair.
   (b) Heat pump kit to circulate water.

31. Interior:
   (a) Padding shall also be provided on any “hostile surface” which might cause injury in case of sudden stops or accidents.
   (b) A special light shall be installed above the lift platform. This light shall have a switch next to it or as a part of the light itself. This light shall also be connected to the control panel so that the driver could turn it off from the control panel (a master switch).

32. P.A. System, Radio & Speakers: P.A. system & AM/FM Radio with with a minimum of four (4) internal speakers mounted to provide even distribution

34. **Digital 3-Camera System installed (REQUIRED)**
   
   **NOTE:** Gatekeeper Model G4-304SD 3-camera system, 300-Series 4-Channel DVR with 64GB SD Card, D1 60FPS Recorder & G4 Driver Alert Button.

**B. OTHER CONDITIONS:**

1. **Cost** - The cost of a unit includes delivery to:
   Winton Woods CSD Transportation Department
   10020 Corbett Road, Cincinnati, OH, 45231.

2. **Inspection** - The manufacturer must provide an opportunity for the purchaser to inspect the bus **prior to its delivery** to 10020 Corbett Road, Cincinnati, OH, 45231.

3. **Manual:** The manufacturer shall provide compact disks (CD’s) or other electronic media that contain current up-to-date information for repairs, service and parts for the body. This is not to be interpreted as an owner’s manual. This is not to be interpreted as an owner’s manual.

4. **Performance Bond:** We will be purchasing one (1) fifty-four (54) passenger bus and the successful bidder must provide an acceptable performance bond for full amount of the bid; **OR** a certified check, cashier's check or letter of credit made payable to the Board of Education, Winton Woods City School District, in the amount of ten percent (10%) of the bid submitted.

5. **Firm Bids:** All bids must be firm for ninety (90) days.

6. **Trade In Bus Option:** Not applicable at this time.

**C. BODY OPTIONS:** (please detail costs in “ADDITIONAL OPTIONS” – page 17)

1. **Rustproofing**

2. **Reflective Tape Package** (Provide details with bid)

3. **Storage Compartment Above Driver’s Window**

4. **GPS System** – (Zonar V2J GPS unit with inputs and outputs)

**D. STANDARD CHASSIS ITEMS:**

1. **Wheel Base** - fifty-four (54) passenger ranging from 215” to 220”
2. **Gross Vehicle Weight** (G.V.W.) 24,500 lbs. minimum.  
   Yes  No

3. **Tires, Rims and Wheels - Front and Rear:**  
   (a) 255/70R/225 Michelin - 14 ply radial tires.  
   (b) Disc wheels. Hub unimount 10 piloted.  
   (c) Tubeless rim 255/70R/225 for radial tires. Disc wheels  
       (Budd Type 5-Hand Hole)  
   ___  ___

4. **Axles:**  
   (a) Front - 12,000 lbs. Rockwell Q+Plus brakes  
   (b) Rear - Minimum 19,800 lbs. Rockwell Q+Plus brakes.  
   (c) Rear axle shall be compatible with engine, transmission and  
       tire size.  
   ___  ___

5. **Transmission:**  
   (a) Automatic. Shall be compatible with engine and rear end.  
   (b) Automatic back-up light switch.  
   (c) Exterior filter. Spin on type installed in the transmission oil cooler return  
       line.  
   ___  ___

6. **Shock Absorbers:** - Heavy duty front and rear – Air suspension **required.**  
   ___  ___

7. **Battery:**  
   (a) Two (2) Group 31 - 12 volt.  
   (b) Be sure enough cable is provided so that batteries can be mounted  
       in a sliding tray on left side behind driver without need for splicing.  
   ___  ___

8. **Air Cleaner:**  
   (a) Dry element type.  
   (b) Air cleaner restriction indicator.  
   ___  ___

9. **Alternator:**  
   (a) 180 amp 2800 J.B. Leece-Neville with matched regulator and illuminated  
       amp gauge.  
   ___  ___

10. **Brakes:**  
    (a) Full compressed air. Minimum 13.2 w/KN19040 Midland  
        Compressor Air Cleaner Assembly or Bendix Equal.  
    (b) S-cam type only.  
    (c) Size: Front 15" x 4"; rear 16 1/2" x 7", Rockwell Q+ Plus Series  
    (d) Quick release and relay valves on front and rear axles, respectively.  
        This is for service brake) (Bendix)  
    (e) Bendix Air Dryer. (AD-9)  
    (f) Automatic slack adjusters front and rear. (Rockwell)  
    (g) MGM - Type 30  
        **NOTE:** All brakes must comply with current State and Federal  
        standards at the date of manufacture.  
    ___  ___

11. **Steering:**  
    (a) Integral power steering (heavy duty truck type).  
    (b) Turning radius equal in both left and right directions.  
    ___  ___
12. **Frame:** (See Ohio specifications)  

13. **Cooling System:**  
   (a) Increased capacity cooling system.  
   (b) Coolant recovery system required.  
   (c) Permanent ethylene-glycol base antifreeze shall be provided to (-20) degrees F. when tested at normal engine temperature.  
   (d) Water filter.  
   (e) Assist pump for heaters.  

14. **Exhaust System:**  
   All aluminum exhaust system. (Aluminized Steel Muffler)  

15. **Fuel Tank:**  
   (a) Minimum sixty-five (65) gallon tank required with heat shield.  
   (b) Must be equipped with water separator filter and heater.  
   (c) Fuel tank mounted underslung centerline  

16. **Hood and Fenders**  
   (a) Fiberglass tilt front hood and fenders assembly allowing easy access to complete engine compartment.  
   (b) Frame, bumper, wheels and fuel tank - black. Front fenders, hood area - yellow.  
   (c) Hood area painted non-reflective national school bus yellow.  
   (d) Tilt Hood Assistance Package.  
   (e) Slant Hood.  

17. **Instruments and Instrument Panel:**  
   (a) Odometer, accrued mileage up to 999,999.  
   (b) Ammeter with graduated gauge.  
   (c) Voltmeter with graduated scale to 16 volts.  
   (d) All instruments or gauge faces shall be illuminated.  
   (e) Low oil pressure indicator. (Buzzer and Light)  
   (f) High water temperature indicator. (Buzzer and Light)  
   (g) Fuel gauge to correspond to tank capacity.  
   (h) Speedometer.  
   (i) Low engine coolant level. (Buzzer and Light)  

18. **Power Train - Diesel Engine:**  
   (a) Wet cylinder sleeve type engine minimum 190 H.P. (210 or 230 horse power option preferred) & minimum 560 lb-ft torque.  
   (b) Full flow oil filter.  
   (c) Under gross vehicle weight loaded conditions, the engine, transmission and other drive line components shall be capable of maintaining a speed of 65 m.p.h. on a road grade of one percent (1%) minimum when the engine is operating at 90% of the engine manufacturer’s recommended maximum or governed revolutions per minute.  
   (d) Engine must shut off with key switch.
(e) Clutch fan. ___ ___

(f) Noise reduction package **required**. ___ ___

(g) Constant torque hoseclamps. ___ ___

(h) Electronic throttle. ___ ___

(i) Cruise control. ___ ___

19. **Drive Shaft:**
   Metal guards on each section of drive shaft. ___ ___

20. **Lamps and Signals:**
   (a) Self cancelling turn signals. ___ ___
   (b) Four (4) way hazard warning switch. ___ ___
   (c) Automatic back-up light switch. ___ ___

21. **Throttle** - Locking hand throttle. ___ ___

22. **Tow Hooks:**
   Two (2) heavy duty front tow hooks installed in front under bumper but not to extend in front of bumper. ___ ___

23. **Undercoating** - complete undercoating of fenders, not under hood. ___ ___

24. **Vehicle Identifications Plate:** on fire wall. ___ ___

25. **Front Bumper must be furnished by the chassis manufacturer.** ___ ___

26. **1,250 Watt Block Engine Heater** ___ ___

E. **OTHER CONDITIONS OR SPECIFICATIONS:**

1. **Delivery:** (a) The steering wheel and column must be adequately covered from the time the chassis is completed until delivery to body plant. (*School district may decide to pick up chassis at chassis plant and deliver to body plant.*) ___ ___

   (b) The successful bidder must provide **immediate** delivery to the body manufacturer and provide an acceptable performance bond. ___ ___

2. **Inspection:** The chassis manufacturer must provide an opportunity for the purchaser to inspect the chassis prior to its delivery to the body plant. ___ ___

3. **Manuals:** The chassis manufacturer must furnish a complete shop service manual including wiring diagram and factory parts book of up-to-date parts for the unit(s) purchased and line setting sheet. This is not to be inter-
-preted as an owner’s manual. Compact disks (CD’s) or electronic media are the preferred method of storage for this information.  

<table>
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<tr>
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F. **CHASSIS OPTIONS:** (please detail costs in “ADDITIONAL OPTIONS” – page 18)

1. Rustproofing  
   | ___ | ___ |

2. Tilt Hood Assistance Package  
   | ___ | ___ |

3. Extended Warranty(ies)  (Details need to be provided)  
   | ___ | ___ |

4. 210 Horse Power Engine  
   | ___ | ___ |

5. 230 Horse Power Engine  
   | ___ | ___ |

6. Automatic Transmission Warranty (Details need to be provided)  
   | ___ | ___ |

7. Sleeping Child Check System  
   | ___ | ___ |
WINTON WOODS CITY SCHOOL DISTRICT
1215 WEST KEMPER ROAD
CINCINNATI, OHIO  45240

SCHOOL BUS BID FORM – 54 PASSENGER

Refer to Specs and Instructions to Bidders before completing this form

Bids DUE by 1:00 PM (Local Time) on Monday, May 18, 2015

A.) BASE BID – ONE (1) 54-PASSENGER SPECIAL NEEDS BUS

Dealer __________________________________________________________________________ Address __________________________________________________________________________

Make ______________________ Year ______________________ City - State - Zip Code ______________________

Number of Units Bid ______________________ Model # ______________________ Telephone __________________________________________________________________________

Date of Bid __________________________________________________________________________ Capacity of Unit __________________________________________________________________________

Bid Amount / Price of Bus __________________________________________________________________________ Bidder’s Authorizing Signature __________________________________________________________________________

B.) ADDITIONAL OPTIONS – please include as many as can be offered for pricing

<table>
<thead>
<tr>
<th>Option</th>
<th>Cost</th>
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<tbody>
<tr>
<td>1. Rustproofing (Body)</td>
<td>$_____________________________________</td>
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<tr>
<td>2. Exterior Reflective Tape Package</td>
<td>$_____________________________________</td>
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<td>(Provide details with Bid)</td>
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<tr>
<td>3. GPS System</td>
<td>$_____________________________________</td>
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<tr>
<td>4. Storage Compartment Above Driver’s Window</td>
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<td>5. Rustproofing (Chassis)</td>
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<td>6</td>
<td>Tilt Hood Assist Package</td>
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<td>7</td>
<td>Extended warranty(ies)</td>
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<td>(Specify Lengths of Each)</td>
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<td>8</td>
<td>210 Horsepower Engine</td>
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<td>9</td>
<td>230 Horsepower Engine</td>
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<td>Automatic Transmission Warranty</td>
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<td>(Provide details with bid)</td>
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<tr>
<td>11</td>
<td>Sleeping Child Check System</td>
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