

**WINTON WOODS CITY SCHOOL DISTRICT
1215 WEST KEMPER ROAD
CINCINNATI, OHIO 45240**



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

BIDS DUE: 12:00 NOON (LOCAL TIME), MONDAY, MAY 16, 2016



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 WWCS D by **12:00 NOON (Local Time), Monday, May 16, 2016.**
9. Return one (1) 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.

		<u>Able to Meet</u>	
		<u>Yes</u>	<u>No</u>
A.	<u>STANDARD BODY ITEMS:</u>		
1.	<u>Aisle</u> - Minimum clearance between seats of 12 inches at seat level and 14 inches at top of seat.	___	___
2.	<u>Battery</u> - 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.	___	___
3.	<u>Bumper</u> - 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).	___	___
4.	<u>Color</u> - 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.	___	___
5.	<u>Construction:</u>		
(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.	___	___

	<u>Yes</u>	<u>No</u>
(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.	___	___
(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.	___	___
(d) <u>Manufacturer shall guarantee bus body to be free of water leaks for two (2) years after being put into regular service.</u>	___	___
(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.	___	___
(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.	___	___
(g) All longitudinal side strainers and members shall be a minimum of 16-gauge steel.	___	___
(h) Rub rails shall be a minimum of 16-gauge steel, corrugated or ribbed pattern including lower edge of skirt panel.	___	___
(i) <u>All body components shall be designed and constructed so as to avoid entrapment of moisture.</u>	___	___
(j) Full acoustic sound abatement package <u>required.</u>	___	___
6. <u>Defroster</u> - 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.	___	___
7. <u>Doors:</u>		
(a) <u>Split</u> outward thirty-two (32) inch service door - air operated.	___	___
(b) Service door entrance shall have three (3) steps covered with rubber.	___	___
(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.	___	___
(d) <u>All</u> edges of the service door shall be sealed by flexible rubber or equivalent material to prevent air from entering door entrance when closed.	___	___
(e) Safety rail or hand holds shall be mounted on left side of steps as you enter the bus from the outside. <u>NO rails or holds to be mounted on doors.</u>	___	___

	<u>Yes</u>	<u>No</u>
(f) Rear emergency door shall contain upper and lower glass panels.	___	___
(g) Emergency door shall meet <u>FMVSS</u> standards.	___	___
(h) Operating instructions for emergency door use shall be lettered or decaled on inside of door.	___	___
(i) A padded head bumper shall be installed on inside above the emergency door.	___	___
(j) Access door shall exit in front to allow for easy access to service dash, heater core and windshield wipers.	___	___
(k) Rear emergency door shall have pin-style interior hinges <u>NOT</u> exposed to exterior elements.	___	___
8. <u>Emergency Equipment:</u>		
(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.	___	___
(b) Body fluid clean-up kit.	___	___
(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.	___	___
(d) First Aid Kit - 24 unit kit.	___	___
9. <u>Floor and Floor Covering:</u>		
(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.	___	___
(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.	___	___
(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 <u>not</u> acceptable.	___	___
(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.	___	___
(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	___	___

	<u>Yes</u>	<u>No</u>
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) <u>A 5/8" treated Marine-grade plywood flooring to be installed between metal and rubber flooring.</u>	___	___

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. ___ ___

	<u>Yes</u>	<u>No</u>
(a) There shall be a heater water flow regulating valve installed for convenient operation by the driver in a normal seated position.	___	___
(b) Heat pump kit to circulate water.	___	___
(c) School bus heating systems shall provide evenly distributed heat throughout the bus body and provide defrosting for windshield and entrance door.	___	___
(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.	___	___
(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.	___	___
(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.	___	___
(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.	___	___
(h) A third heater is required on all type <u>B</u> , <u>C</u> , and <u>D</u> school buses and is to be mounted to the rear of the rear wheel-well.	___	___
(i) Two-speed switches shall operate all heater fans independently.	___	___
(j) All hot water lines shall be a minimum of one inch (1") inside diameter and shall be enclosed.	___	___
(m) Heater cores and fans shall be completely encased, but designed to permit servicing heating assembly by removing all or part of the case.	___	___
(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:	___	___

	<u>Yes</u>	<u>No</u>
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.	___	___
12. <u>Identification:</u>		
(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.	___	___
13. <u>Interior:</u>		
(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.	___	___
14. <u>Lamps, Signals and Reflectors:</u>		
(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.	___	___

	<u>Yes</u>	<u>No</u>
15. <u>Stepwell</u> : Three (3) steps covered with rubber.	___	___
16. <u>Mirrors</u> :		
(a) Interior shall be one (1) of minimum dimensions of six inches by 30 inches.	___	___
(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.	___	___
(c) One (1) 10" mirror on each front fender. Bus Boy type, heated with (a) lighted switch(es).	___	___
17. <u>Mud Flaps</u> - Required both front and rear.	___	___
18. <u>Radio – Required</u> : Digital VHF two-way radio (Motorola – Model # XPR4350).	___	___
19. <u>Rub Rails</u> - A bottom rub rail or snow rail shall be installed and painted black.	___	___
20. <u>Seats</u> :		
(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.	___	___
(b) All seating and restraining barrier design and construction must meet or exceed the provisions of FMVSS.	___	___
(c) Standard cushion seats and backs.	___	___
(d) Seats mounted on a side rail which is secured to body side posts.	___	___
(e) Seats displaced by wheelchair space are to be included.	___	___
(f) Seat belts to be attached to all seats.	___	___
21. <u>Stop Arm</u> (Octagonal shape only):		
(a) Must meet or exceed SAE standards.	___	___
(b) Arm shall operate only when red lights are actuated.	___	___
(c) Sign shall have alternating red flashing strobe lights.	___	___
(d) Air actuated.	___	___
22. <u>Windshield and Windows</u> :		
(a) Fully tinted windshield with shade band.	___	___
(b) Wet arm windshield washer and wipers.	___	___
(c) Driver's left window shall meet Ohio and Federal specifications.	___	___
(d) Passenger windows shall be double-sash type.	___	___
(e) Full vision rear windows.	___	___

	<u>Yes</u>	<u>No</u>
(f) Passenger windows shall have a minimum vertical opening of 9".	___	___
(g) Two (2) emergency swingout windows each side of bus.	___	___
23. <u>Wiring:</u>		
(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. <u>Roof Escape Hatches/Vents</u> - Two (2) emergency escape/vent hatches. One (1) in front and one (1) in rear of bus.	___	___
25. <u>Undercoating</u> Entire underside of body including floor components, side and panels below floor level, and extension battery drawer. Care shall be taken <u>not</u> to cover holes designed to help drain water, or in any way to trap moisture.	___	___
26. <u>Tail Pipe</u> - Rear tail pipe to Ohio specifications.	___	___
27. <u>Braun Lift</u> - 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.	___	___

	<u>Yes</u>	<u>No</u>
(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. <u>Install Q-Straint Wheel Chair Locking Devices</u>		
(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. <u>Special Service Door at Lift</u>		
(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. <u>Heaters:</u>		
(a) Three heaters required, none of which are to be mounted under a wheelchair.	___	___
(b) Heat pump kit to circulate water.	___	___
31. <u>Interior:</u>		
(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. <u>P.A. System, Radio & Speakers:</u> P.A. system & AM/FM Radio with with a minimum of four (4) internal speakers mounted to provide even distribution		

	<u>Yes</u>	<u>No</u>
of sound. Internal speakers distributed throughout bus.	___	___
33. <u>Air Horns</u> - Mounted under hood of bus. Button on floor by driver's left foot. Trumpet type.	___	___
34. <u>Digital 3-Camera System installed (REQUIRED)</u> 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. <u>OTHER CONDITIONS:</u>		
1. <u>Cost</u> - The cost of a unit includes delivery to: Winton Woods CSD Transportation Department 10020 Corbett Road, Cincinnati, OH, 45231.	___	___
2. <u>Inspection</u> - 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. <u>Manual:</u> 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 manual.	___	___
4. <u>Performance Bond:</u> 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. <u>Firm Bids:</u> All bids must be firm for ninety (90) days.	___	___
6. <u>Trade In Bus Option:</u> Not applicable at this time.	___	___
C. <u>BODY OPTIONS:</u> (please detail costs in "ADDITIONAL OPTIONS" – page 17)		
1. <u>Rustproofing</u>	___	___
2. <u>Reflective Tape Package</u> (Provide details with bid)	___	___
3. <u>Storage Compartment Above Driver's Window</u>	___	___
4. <u>GPS System</u> – (Zonar V2J GPS unit with inputs and outputs)	___	___
D. <u>STANDARD CHASSIS ITEMS:</u>		
1. <u>Wheel Base</u> - fifty-four (54) passenger ranging from 215" to 220"	___	___

		<u>Yes</u>	<u>No</u>
2.	<u>Gross Vehicle Weight (G.V.W.)</u> 24,500 lbs. minimum.	___	___
3.	<u>Tires, Rims and Wheels - Front and Rear:</u>		
	(a) 25570R/225 Michelin - 14 ply radial tires.	___	___
	(b) Disc wheels. Hub unimount 10 piloted.	___	___
	(c) Tubeless rim 25570R/225 for radial tires. Disc wheels (Budd Type 5-Hand Hole)	___	___
4.	<u>Axles:</u>		
	(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.	<u>Transmission:</u>		
	(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.	<u>Shock Absorbers:</u> - Heavy duty front and rear – Air suspension <u>required</u> .	___	___
7.	<u>Battery:</u>		
	(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.	<u>Air Cleaner:</u>		
	(a) Dry element type.	___	___
	(b) Air cleaner restriction indicator.	___	___
9.	<u>Alternator:</u>		
	(a) 180 amp 2800 J.B. Leece-Neville with matched regulator and illuminated amp gauge.	___	___
10.	<u>Brakes:</u>		
	(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	___	___
	<u>NOTE:</u> All brakes must comply with current State and Federal standards at the date of manufacture.		
11.	<u>Steering:</u>		
	(a) Integral power steering (heavy duty truck type).	___	___
	(b) Turning radius equal in both left and right directions.	___	___

		<u>Yes</u>	<u>No</u>
12.	<u>Frame:</u> (See Ohio specifications)	___	___
13.	<u>Cooling System:</u>		
	(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.	<u>Exhaust System:</u>		
	All aluminum exhaust system. (Aluminized Steel Muffler)	___	___
15.	<u>Fuel Tank:</u>		
	(a) Minimum sixty-five (65) gallon tank required <u>with heat shield</u> .	___	___
	(b) Must be equipped with water separator filter and heater.	___	___
	(c) Fuel tank mounted underslung centerline	___	___
16.	<u>Hood and Fenders</u>		
	(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.	<u>Instruments and Instrument Panel:</u>		
	(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.	<u>Power Train - Diesel Engine:</u>		
	(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.	___	___

	<u>Yes</u>	<u>No</u>
(e) Clutch fan.	___	___
(f) Noise reduction package required .	___	___
(g) Constant torque hoseclamps.	___	___
(h) Electronic throttle.	___	___
(i) Cruise control.	___	___
19. <u>Drive Shaft:</u> Metal guards on each section of drive shaft.	___	___
20. <u>Lamps and Signals:</u> (a) Self cancelling turn signals. (b) Four (4) way hazard warning switch. (c) Automatic back-up light switch.	___	___
21. <u>Throttle</u> - Locking hand throttle.	___	___
22. <u>Tow Hooks:</u> Two (2) heavy duty front tow hooks installed in front under bumper but not to extend in front of bumper.	___	___
23. <u>Undercoating</u> - complete undercoating of fenders, not under hood.	___	___
24. <u>Vehicle Identifications Plate:</u> on fire wall.	___	___
25. <u>Front Bumper must be furnished by the chassis manufacturer.</u>	___	___
26. <u>1,250 Watt Block Engine Heater</u>	___	___

E. OTHER CONDITIONS OR SPECIFICATIONS:

- | | | | |
|----|---|-----|-----|
| 1. | <u>Delivery:</u> (a) The steering wheel and column must be adequately covered from the time the chassis is completed until delivery to body plant. (<i>School district may decide to pick up chassis at chassis plant and deliver to body plant.</i>) | ___ | ___ |
| | (b) The successful bidder must provide immediate delivery to the body manufacturer and provide an acceptable performance bond. | ___ | ___ |
| 2. | <u>Inspection:</u> The chassis manufacturer must provide an opportunity for the purchaser to inspect the chassis prior to its delivery to the body plant. | ___ | ___ |
| 3. | <u>Manuals:</u> 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- | | |

Yes No

-preted as an owner’s manual. Compact disks (CD’s) or electronic media are the preferred method of storage for this information. ___ ___

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 12:00 NOON PM (Local Time) on Monday, May 16, 2016

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

<u>Option</u>	<u>Cost</u>
1. Rustproofing (Body)	\$ _____
2. Exterior Reflective Tape Package (Provide details with Bid)	\$ _____
3. GPS System (Zonar V2J GPS unit with inputs & outputs)	\$ _____
4. Storage Compartment Above Driver's Window	\$ _____
5. Rustproofing (Chassis)	\$ _____

6. Tilt Hood Assist Package \$ _____
7. Extended warranty(ies) Years _____ \$ _____
(Specify Lengths of Each) Years _____ \$ _____
Years _____ \$ _____
8. 210 Horsepower Engine \$ _____
9. 230 Horsepower Engine \$ _____
10. Automatic Transmission Warranty \$ _____
(Provide details with bid)
11. Sleeping Child Check System \$ _____