

January 2, 2019

School Bus Proposal **R.F.P. #20440**

PROPOSAL INSTRUCTIONS:

1. All proposals shall be submitted in sealed envelopes clearly marked with the date of proposal opening, the proposal name **“School Bus Proposal RFP #20440 and the name of the bidder.** Sealed proposals must be received at the Purchasing Department by **10:00 AM local time, January 16, 2019.**
2. Proposals are to be addressed to the attention of the **Amanda Howard, Portage Public Schools, 8107 Mustang Drive, Portage, Michigan 49002.** Late proposals will **not** be accepted. Bids will be publicly opened and read on January 12, 2019 at the same address.

Number of Bid Response Copies Required: Two (2) hard copies. Email Proposals Will NOT Be Accepted.

3. **Bid responses *MUST* include: Bid Proposal form, Legal Status of Bidder form, Iran Economic Sanctions Act form, and notarized Familial Disclosure form.**
4. The Portage Public Schools reserves the right to reject any or all proposals, either in whole or in part, waive any irregularities or informalities of the proposals, to disregard all non-conforming or conditional proposals, or accept any proposal, either in whole or in part, when in the opinion of Portage Public Schools, such action will best serve the District’s interest.
5. Attached are the minimum specifications the Portage Public Schools will accept. Proposals are to be for the specifications listed equivalent or better. Proposal pricing must include any/all delivery or additional charges.
6. Vendors shall submit manufacturers’ complete vehicle specifications with their proposal.
7. Vendors shall include with their proposals any clarifications as appropriate.
8. Vendors shall identify any items not in compliance with the attached specifications and provide suggested alternatives for consideration by the school district.
9. Proposal price shall include delivery to 2501 Zylman Road, Portage, Michigan 49002.
10. Vendors shall include their best estimate regarding delivery dates for these units.
11. The school district is exempt from sales, use and Federal Excise taxes. Exemption certification will be furnished upon request.
12. In the event of discrepancies between the unit price and extension, the unit price shall prevail.

Please contact Mr. Mike Westbrook, Transportation Manager, for any clarification of the specifications, requirements or other instructions at (269) 323-5190.

School Bus Specifications
Two (2) Special Needs Lift Buses – New 2019 or 2020
77 Passenger Body

CHASSIS SPECIFICATIONS

Air Cleaner (Engine)	Heavy-duty dry type air filter w/air filter restriction indicated on air cleaner
Air Conditioning	Thermo King AC- TM-553-MS- Low Profile, Roof Mount.
Air Compressor	13.2 CFM minimum output
Air Dryer	Bendix AD-9 or equivalent (AUTO DRAIN VALVES NOT ACCEPTABLE)
Alternator	Minimum high output 200-amp, Leece-Neville, with appropriate wiring harness with internal regulator. 100-amp minimum output at idle.
Axle, Front: Minimum Load	10,000 lbs
Axle, Rear: Minimum Load	21,000 lbs
Batteries	Three 12-volt, 750-CCA each, Group 31
Brakes, Air- Disc	Must meet Section 257.1813 of Section 13 of PA187 of 1990. ABS to meet FMVSS #121
Brakes, Parking	A dash mounted control valve to spring set parking brake on rear wheels, to be mounted on lower dash.
Brakes, Traction Control	Required
Cruise Control	Required
Differential Ratio	Shall be compatible with engine and provide for 62 mph in highest gear at maximum load. Specify rear axle ratio. Maximum road speed to be 62 mph.
Doghouse	See "Insulation" section. chassis shall include heat and noise insulation inside bus covering dash panel (firewall) area at least down to the point that body connects including engine cover (doghouse), which may be insulated on interior or exterior
Engine	Diesel or Gas, 210 hp minimum, provide power curve to include horsepower, RPMs, torque, and fuel economy. Complete engine specifications and warranty information required. See "Warranties".
Exhaust System	Corrosion resistant muffler, side exhaust (drivers side).

Fan Drive, Electromagnetic	Full on or full off controlled by the engine ECM (or equivalent)
Fuel Tank	Minimum 100-gallon capacity, spout located for ease in servicing. Must meet State and Federal Standards
Fuel/Water Separator (Diesel Engine)	Heated, must be compatible with chassis/engine application. Racor or Fleetguard. 1. Must be completely accessible for servicing. 2. Must have clear drain sight bowl with drain valve to allow detection and draining of water to be visually or electronically monitored. 3. Must contain a replaceable pleated paper element fuel filter of proper design to protect against premature fuel flow restriction or excessive passage of contaminants.
Full Instrumentation Package (Engine)	To include speedometer, tachometer, odometer, hour meter, accrued mileage to 7 digits including tenths of miles; fuel gauge; dual air pressure gauges; oil pressure gauge with low pressure warning light and buzzer; water temperature gauge with high temperature warning light and buzzer; voltage and amp meters, Low Coolant indicator with audible alarm, transistorized solid state components readily accessible for service with graduated scales. All instrumentation to be directly visible to driver in normal seated position. All gauges to be English - no metric.
Headlights	Halogen daytime running lights. Must meet State and Federal Standards
Heater Block, Internal (Engine)	750 -watt, receptacle in front (Diesel Only)
Horns	Dual, 120-decibel electric
Hoses (Engine)	Silicone hoses
Idle Management Control	Programmable
Ignition Switch (Engine)	Controlled running and shutdown shall require electrical current provided by the ignition switch in "ON," "RUN" and "ACCESSORY" positions, Noise kill
Insulation	Chassis shall include heat and noise insulation inside bus covering dash panel (firewall) area at least down to the point that body connects including engine cover (doghouse), which may be insulated on interior or exterior
Paint & Finish, Exterior	Must be Polyurethane and a 5-year warranty and must meet State and Federal Standards.
Paint, Wheels	All wheels shall be finish painted black inside and out.
Rims	Disc wheels, 10 hole, hub piloted
Rust Proofing	Underbody and firewall to be fully insulated and undercoated with rust proofing compound, including the battery compartment

Shock Absorbers	Front and rear, heavy-duty double-acting, adequate size and axle load
Steering	Factory installed heavy-duty power steering. Specify brand. Steering wheel to tilt and/or telescope.
Suspension, Axle Rear	Air suspension required
Switches, Ignition	Keyed alike
Tilt Hood	Fiberglass; maximum 15-25 pound pull.
Tires	Manufacturer's standard. 11R22.5 must conform to current Tire and Rim Association Standards. Steer-tread on front and mud\snow on rear (list tire manufacturer in bid)
Tow Hooks	2 mounted to front frame and capable of lifting bus from either hook and 2 mounted to rear frame
Transmission Automatic	PTS2500- cable operated shifter.
Transmission Oil	Castrol Transynd
Transmission, Warranty	See "Warranties".
Turn Signals	Must meet State and Federal Standards and to include side mounted signals
Warranties	Each vendor to provide original warranty details, and the cost and details for all EXTENDED WARRANTY OPTIONS.
Wheels	Manufacturer Standard. Black in color to comply with Michigan Motor Vehicle Code

BODY SPECIFICATIONS

Aisle Strips	Stainless steel required
All Light Monitor System	None
Antenna	Flexible rubber radio antenna
Back Up Alarm and Sticker	To provide audible warning that the bus is in reverse gear. Alarm shall meet requirement of SAE J994 including 97dBA sound level. All buses shall have a sticker affixed to the dash in full view of the driver indicating that the bus is equipped with a back up alarm

Battery Cut Off Switch	Mounted in battery box
Battery Slide Out Tray	A body skirt mounted slide out tray with roller bearing slides and battery box is required for 3 Group 31 batteries
Body Testing	Load test of body shall meet FMVSS 222
Bumper, Front	Must be painted black, full width, HD form steel type, minimum 8"
Bumper, Rear	Must meet State and Federal Standards and be constructed with 3/16" thickness steel minimum and be a minimum of 8" wide and painted black
Buzzers	Emergency doors, lift door (if applicable), and window buzzers shall be connected to both sides of ignition switch. All buzzers should be controlled with 1 buzzer. The lift door buzzer (if applicable) will operate until the door is 6" open and then turn off.
Color, Interior	White
Crossing Gate Arm	-None-
Defogger Fans	Three 7-inch defogger fans, with three independent switches, in addition to defrosters utilizing hot air from bus heaters, shall be installed. Must be 2-speed with reinforced mounting locations.
Door, Entrance	Double out, split type located at right front of bus with padded header over entrance door. Specify if bidding AIR or ELECTRIC. (Prefer Electric)
Electrical Equipment and Wiring	Must meet SAE and State and Federal Standards. A "noise kill" switch is required.
Exit, Emergency Window	Must meet Federal Standards as set forth by FMVSS 217. Buzzer must be attached to both sides of ignition switch
Exit, Roof Hatch	To include 2 roof hatches, 1 front and 1 rear. Must open from inside and outside. Spheros Smart Hatch.
Fire Extinguisher	Must meet Michigan Standards
First Aid Kit	Must meet Michigan Standards

Floor Covering	Floor shall be of prime commercial quality steel with 14-gauge steel. Floors shall be level from back-to-front and side-to-side except for the wheel housing, toe boards, and driver's seat platform areas. Driver's compartment plate shall be removable and installed level with the bus floor. All components requiring service must be readily accessible. Opening in bus floor must meet this requirement and shall be reinforced to maintain full strength of non-punctured floor. Body floor shall have an access hole for removal and repair of fuel tank sending unit. Body floor shall have an access cover adequate to allow removal of fuel components without lowering fuel tank. Allowances must be made if the bus is lift equipped in the section of bus where fuel tank is placed. 5/8" marine-grade plywood floor is required. Floor in under seat area including tops of wheel housings and toe boards shall be covered with smooth surface rubber covering having a minimum thickness of .125 inch. Floor covering must be permanently bonded to floor and resist cracking. Adhesive materials must be waterproof and approved. Landing areas at top of steps shall be ribbed rubber, which shall extend to and join the ribbed aisle cover at an angle and its leading edge shall be white in color. Attaching screws shall be countersunk. Holes around transmission cover shall be adequately sealed. All flooring requirements and materials must meet State and Federal Standards.
Fuel Filler Door	Latching only
Fuel Filler Opening	An adequate size and design shall be provided over fuel filler
Fuses	3 30-minute in red canister mounted near entrance door
Glass, Entrance Door	Standard – NOT frost-free
Grab Rail at Entrance	A suitable stainless steel grab rail shall be provided at front entrance on both sides securely mounted inside body close to bottom step for small children to reach and shall be designed to eliminate possibility of students' clothing or personal items to become lodged or stuck upon exiting the bus
Headroom	Minimum 77" headroom
Heater/Defrosters	Driver's area heater minimum output 90,000 BTU with power defroster to windshield and left front window section, right front heater minimum output of 50,000 BTU including power defrosting to windshield, entrance door, and stepwell. Rear wheelhouse, heater pipe to be covered. Heater shut-off valves to be located inside bus in driver's area. Silicone hoses. Rear under seat heater, minimum output 80,000 BTU dual fan output located to rear of wheelhouse, heater to be covered.
Heater, Hoses	Silicon hoses required.
Heater, Mid-Body Rear	Manufacturer Standard
Heater, Shut-Off Valve	In driver's compartment and on engine block
Inspection	Purchase of school bus bodies under these specifications shall include the right to inspection after manufacture by MSP and the school district or designee

Lettering and Trim	Must meet State and Federal Standards. Lettering specifics provided by each school district. Reflective markings: must be 3M Scotchlite Diamond Grade reflective tape as follows: 1" tape outlining all exits, 2" tape below beltline on both sides, 1" tape completely outlining rear of bus from below cap to rear bumper, "School Bus," district name and bus number lettering front, sides and rear in black reflective tape.
License Plate Holder	Shall be on left rear outside of body with suitable method for mounting license plate
Light, Landing	L.E.D., outside next to entrance door activated by entry door, and one (1) over lift door activated by lift door, and 1 additional light under lift door.
Lights	Sound Off brand strobing overheads. Two (2) Combination Brake & Tail Lights: Shall be a minimum of 7" and meet all State and Federal Standards and must be low impedance L.E.D. Tail Lights: Must be low impedance L.E.D. and shall be equipped with two (2) 7-inch tail lights and two (2) 7-inch L.E.D. back up lights. Light intensity shall equal Class A type turn signal units. Turn Signal Lights: Must be low impedance L.E.D. and shall be 7" and include two (2) sides of bus-mounted L.E.D. turn signals behind entrance door right side and equal distance on left side. Must meet applicable standards.
Lights, Clearance	Must be L.E.D. and meet State and Federal Standards. Clearance lights must be armored marker and L.E.D. Identification Lights: must meet State and Federal Standards.
Lights, Interior	There shall be eight (8) or more dome lights installed to include 2 in driver's compartment and two (2) in rear on separate switches
Metal Body	16-gauge metal
Mirror System	Interior mirror shall be tempered glass and rounded corners and protected edges. Must be 6"x 30". Exterior mirrors must meet FMVSS 111 with crossover view mirrors. All mirrors to be heated and actuated through a separate wired switch and ignition with a pilot light. Front visibility to provide unobstructed view of all mirrors.
Mirror, Timer	Required
Mirrors, Crossover	Rosco Mini Hawk Eye, heated
Mirrors, Side	Remote, heated, and split mirrors.
Mud Flaps	Two (2) front and two rear attached appropriately
Noise Reduction System	Perforated ceiling full length of vehicle
Paint and Finish	The bus shall be painted National School Bus Yellow color and trimmed in black. All wheels, both inside and out shall be painted black in color to comply with Michigan Motor Vehicle Code. The Body Guard Rails, front and rear Bumpers, and front and rear axle Wheel Hubs shall be finish painted black.

Paint, Roof	White, polyurethane roof paint shall extend down to within 6" above the drip rails on the sides of the body, except that front and rear roof caps shall remain black and yellow. To be same paint as rest of bus body and as per Michigan Specifications.
Paneling, Exterior	Exterior paneling includes sheet metal skin forming exterior surface of body and shall be 16-gauge steel minimum thickness and be attached to bow frames and strainers to act as an integral part of structural frame.
Quiet Zone	In order to reduce noise and increase operating safety in the driver's area, a quiet zone shall be furnished that includes no AM/FM radio/PA speakers installed within a 120" radius of the driver's seat.
Radio System/ Public Address System	AM/FM radio/PA/clock inside and outside
Reflectors	2 amber reflectors on each side of bus near the front and 2 red on rear side panels, 2 red on rear panels, and 2 amber intermediate on sides
Reflectors, Emergency Roadside	3 reflector type warning devices meeting FMVSS 125 and shall be mounted near entrance door
Roof Vent, Static	Manufacturer Standard
Rub Rails	4 applied rub rails including snow rails to be 1 piece. 1 below side windows, 1 at passenger level, 1 near floor line, and 1 at bottom of skirt to be properly secured
Seat, Driver's	Air ride w/o arm rests. Shall have a driver's seat equipped with a 1-piece 6-way adjustable high back seat designed to minimize potential for head and neck injuries, providing minimum obstruction to the driver's view of passengers, and meeting applicable requirements of FVMSS 222 as defined in FMVSS 208. The seat shall be made with cloth insert and adjust the position using a fingertip control. A 3-point shoulder/lap seat belt will be installed meeting all applicable standards.
Seats	Standard cover material, entire bus
Seats, Passenger/ Child Restraint	Seating and Modesty Panels: must meet FMVSS 222 and FMVSS 210, 12 seats total behind the wheel well. 36 inch seats 2 seatbelts per seat, rear seat to be 30 inch seats. 1- 36 inch with 2 child restraint positions with lap belts, track mounted per side in front of bus. Bidder must submit floor plan for district approval.
Seats, Passenger: Color	Standard color – Gray.
Step Tread	Pebble tread, non-metallic backing

Stepwell	Standard stepwell, 3 steps required; must meet State and Federal Standards. Stainless steel is OPTIONAL.
Stop Arm Signals	Must meet State and Federal Standards. Electrically powered with reflective tape, alternating STrobe lights, both front and rear with wind-guard.
Storage Compartment Driver's Area	Interior front bulkhead overhead compartment with finished sides, and glovebox.
Storage Pouch	Mounted on barrier behind driver
Structure Design	Must meet State and Federal Standards
Student Reminder System	Manufacturer Standard to be triggered by 8-lamp flasher
Sunshade	A tinted, transparent plastic sun shield, 6"x30" shall be installed and have substantial mounting to remain in position
Ventilation	Must meet State and Federal Standards
Video Security System	"Protect" brand, model GP-T11A video system to be equipped with four (4) cameras, and a minimum of 128GB of memory. Specific camera locations to be agree upon by vendor and purchaser prior to installation.
Warning System	"Sound Off" brand overhead L.E.D. 8-light strobing warning system must meet State and Federal Standards
Wheel Housing	Shall be constructed of 18 gauge or heavier steel and be rigidly reinforced and be attached to the floor and side panels in such a manner as to prevent water or dust from entering the bus interior and shall be designed for easy removal of tires
Wheelchair Entry	Mid Body lift door w/Braun NL919IB. Note: vendor to supply floor plan layout to district in advance for approval.
Wheelchair Securements (L-Track)	Sure-Lok Retraktor for 5 wheelchair positions, 3 left side & 2 right side. Wheelchair area to include tracks suitable for adding seats at a later date by purchaser as desired. Track floor to be installed from wheel well forward to just behind driver area on left and right sides. 4 standard seats with 2 seat belts per seat shall be included and installed. One (1) extra, complete set of Sure-Lok Retraktor.
Windows	An adjustable split side sash window shall be mounted in the side of body between each framing post. Safety glass shall be used. Windows will have a 28% grade tint. All glass and windows must meet State and Federal Standards. Driver and back windows will not be tinted. <u>No windows shall be frost-free style.</u>

Windshield

To be constructed of safety glass. Windshield Steps and Handles: a step and appropriate grab handle shall be installed on each front corner of the exterior body. Handle shall be stainless steel, chrome plated, or nonferrous metal and shall provide 4-point mounting and adequate handhold. Handle shall be contoured and formed to provide a safe grip. Windshield Washers and Wipers, Fluid Container: electrical intermittent wet arm 2-speed windshield wipers shall be standard. Wiper arms will be equipped with snow blades of adequate length to clear windshield glass in driver's direct view. Switch shall be located within easy reach from the driver's seat. Windshield washer fluid container is to be minimum 70 ounces and must meet State and Federal Standards.

Additional-

Please submit floor plan with bid.

School Bus Specifications
Five (5) 77 Passenger Buses - New 2019 or 2020

CHASSIS SPECIFICATIONS

Air Cleaner (Engine)	Heavy-duty dry type air filter w/air filter restriction indicated on air cleaner.
Air Compressor	13.2 CFM minimum output
Air Dryer	Bendix AD-9 or equivalent (AUTO DRAIN VALVES NOT ACCEPTABLE)
Alternator	Minimum high output 200-amp, Leece-Neville, with appropriate wiring harness with internal regulator. 100-amp minimum output at idle.
Axle, Front: Minimum Load	10,000 lbs
Axle, Rear: Minimum Load	21,000 lbs
Batteries	Three 12-volt, 750-CCA each, Group 31
Brakes, Air- Disc	Must meet Section 257.1813 of Section 13 of PA187 of 1990. ABS to meet FMVSS #121
Brakes, Parking	A dash mounted control valve to spring set parking brake on rear wheels, to be mounted on lower dash.
Brakes, Traction Control	Required
Cruise Control	Required
Differential Ratio	Shall be compatible with engine and provide for 65 mph in highest gear at maximum load. Specify rear axle ratio. Maximum road speed to be 65 mph.
Doghouse	See "Insulation" section. chassis shall include heat and noise insulation inside bus covering dash panel (firewall) area at least down to the point that body connects including engine cover (doghouse), which may be insulated on interior or exterior
Engine	Diesel and/or Gas, 210 hp minimum, provide power curve to include horsepower, RPMs, torque, and fuel economy. Complete engine specifications and warranty information required. See "Warranties".
Exhaust System	Corrosion resistant muffler, side exhaust, driver's side.

Fan Drive, Electromagnetic	Full on or full off controlled by the engine ECM, (or equivalent)
Fuel Tank	Minimum 100-gallon capacity, spout located for ease in servicing. Must meet State and Federal Standards
Fuel/Water Separator (Diesel Engine)	Heated, must be compatible with chassis/engine application. Racor or Fleetguard. 1. Must be completely accessible for servicing. 2. Must have clear drain sight bowl with drain valve to allow detection and draining of water to be visually or electronically monitored. 3. Must contain a replaceable pleated paper element fuel filter of proper design to protect against premature fuel flow restriction or excessive passage of contaminants.
Full Instrumentation Package (Engine)	To include speedometer, tachometer, odometer, hour meter, accrued mileage to 7 digits including tenths of miles; fuel gauge; dual air pressure gauges; oil pressure gauge with low pressure warning light and buzzer; water temperature gauge with high temperature warning light and buzzer; voltage and amp meters, Low Coolant indicator with audible alarm, transistorized solid state components readily accessible for service with graduated scales. All instrumentation to be directly visible to driver in normal seated position. All gauges to be English - no metric.
Headlights	Halogen daytime running lights. Must meet State and Federal Standards
Heater Block, Internal (Engine)	750-watt, receptacle in front (Diesel Only)
Horns	Dual, 120-decibel electric
Hoses (Engine)	Silicon hoses
Idle Management Control	Programmable.
Ignition Switch (Engine)	Controlled running and shutdown shall require electrical current provided by the ignition switch in "ON," "RUN" and "ACCESSORY" positions, Noise kill
Insulation	Chassis shall include heat and noise insulation inside bus covering dash panel (firewall) area at least down to the point that body connects including engine cover (doghouse), which may be insulated on interior or exterior
Paint & Finish, Exterior	Must be Polyurethane and a 5-year warranty and must meet State and Federal Standards.
Paint, Wheels	All wheels shall be finish painted black inside and out.
Rims	Disc wheels, 10 hole, hub piloted.
Rust Proofing	Underbody and firewall to be fully insulated and undercoated with rust proofing compound, including the battery compartment
Shock Absorbers	Front and rear, heavy-duty double-acting, adequate size and axle load

Steering	Factory installed heavy-duty power steering. Specify brand. Steering wheel to tilt and/or telescope.
Suspension, Axle Rear	Air suspension required
Switches, Ignition	Keyed alike
Tilt Hood	Fiberglass; maximum 15-25 pound pull
Tires	Manufactures Standard. 11R22.5 must conform to current Tire and Rim Association Standards. Steer-tread on front and mud\snow on rear (list tire manufacturer in bid).
Tow Hooks	2 mounted to front frame and 2 mounted to rear frame and capable of lifting bus from either hook.
Transmission Automatic	Cable operated shifter.
Transmission Oil	Castrol Transynd
Transmission, Warranty	See "Warranties".
Turn Signals	Must meet State and Federal Standards and to include side mounted signals
Warranties	Each vendor to provide original warranty details, and the cost and details for all EXTENDED WARRANTY OPTIONS.
Wheels	Manufacturer Standard. Black in color to comply with Michigan Motor Vehicle Code

BODY SPECIFICATIONS

Aisle Strips	Stainless steel required
Light Monitor System	None
Antenna	Flexible rubber radio antenna
Back Up Alarm and Sticker	To provide audible warning that the bus is in reverse gear. Alarm shall meet requirement of SAE J994 including 97dBA sound level. All buses shall have a sticker affixed to the dash in full view of the driver indicating that the bus is equipped with a backup alarm
Battery Cut Off Switch	Mounted in battery box

Battery Slide Out Tray	A body skirt mounted slide out tray with roller bearing slides and battery box is required for 3 Group 31 batteries
Body Testing	Load test of body shall meet FMVSS 222
Bumper, Front	Must be painted black, full width, HD form steel type, minimum 8"
Bumper, Rear	Must meet State and Federal Standards and be constructed with 3/16" thickness steel minimum and be a minimum of 8" wide and painted black
Buzzers	Emergency doors and window buzzers shall be connected to both sides of ignition switch. All buzzers should be controlled with 1 buzzer. The lift door buzzer (if applicable) will operate until the door is 6" open and then turn off.
Color, Interior	White
Crossing Gate Arm	Electric w/magnet
Defogger Fans	Three 7-inch defogger fans, with three independent switches, in addition to defrosters utilizing hot air from bus heaters, shall be installed. Must be 2-speed with reinforced mounting locations.
Door, Entrance	Double out, split type located at right front of bus with padded header over entrance door. SPECIFY if bidding AIR or ELECTRIC. (Prefer Electric)
Electrical Equipment and Wiring	Must meet SAE and State and Federal Standards. A "noise kill" switch is required.
Exit, Emergency Window	Must meet Federal Standards as set forth by FMVSS 217. Buzzer must be attached to both sides of ignition switch
Exit, Roof Hatch	To include 2 roof hatches, 1 front and 1 rear. Must open from inside and outside. Spheros Smart Hatch
Fire Extinguisher	Must meet Michigan Standards
First Aid Kit	Must meet Michigan Standards

Floor Covering	Floor shall be of prime commercial quality steel with 14-gauge steel. Floors shall be level from back-to-front and side-to-side except for the wheel housing, toe boards, and driver's seat platform areas. Driver's compartment plate shall be removable and installed level with the bus floor. All components requiring service must be readily accessible. Opening in bus floor must meet this requirement and shall be reinforced to maintain full strength of non-punctured floor. Body floor shall have an access hole for removal and repair of fuel tank sending unit. Body floor shall have an access cover adequate to allow removal of fuel components without lowering fuel tank. 5/8" marine-grade plywood floor is required. Floor in under seat area including tops of wheel housings and toe boards shall be covered with smooth surface rubber covering having a minimum thickness of .125 inch. Floor covering must be permanently bonded to floor and resist cracking. Adhesive materials must be waterproof and approved. Landing areas at top of steps shall be ribbed rubber, which shall extend to and join the ribbed aisle cover at an angle and its leading edge shall be white in color. Attaching screws shall be countersunk. Holes around transmission cover shall be adequately sealed. All flooring requirements and materials must meet State and Federal Standards
Fuel Filler Door	Latching only
Fuel Filler Opening	An adequate size and design shall be provided over fuel filler
Fuses	3 30-minute in red canister mounted near entrance door.
Glass, Entrance Door	Standard – NOT frost-free
Grab Rail at Entrance	A suitable stainless steel grab rail shall be provided at front entrance on both sides securely mounted inside body close to bottom step for small children to reach and shall be designed to eliminate possibility of students' clothing or personal items to become lodged or stuck upon exiting the bus
Headroom	Minimum 77" headroom
Heater/Defrosters	Driver's area heater minimum output 90,000 BTU with power defroster to windshield and left front window section, right front heater minimum output of 50,000 BTU including power defrosting to windshield, entrance door, and stepwell. Rear wheelhouse, heater pipe to be covered. Heater shut-off valves to be located inside bus in driver's area. Rear under seat heater, minimum output 80,000 BTU dual fan output located to rear of wheelhouse, heater to be covered.
Heater, Hoses	Silicone hoses required.
Heater, Shut-Off Valve	In driver's compartment and on engine block
Inspection	Purchase of school bus bodies under these specifications shall include the right to inspection after manufacture by MSP and the school district or designee

Lettering and Trim	Must meet State and Federal Standards. Lettering specifics provided by each school district. Reflective markings: must be 3M Scotchlite Diamond Grade reflective tape as follows: 1" tape outlining all exits, 2" tape below beltline on both sides, 1" tape completely outlining rear of bus from below cap to rear bumper; "School Bus," district name, bus numbers and lettering front, sides and rear in black reflective tape.
License Plate Holder	Shall be on left rear outside of body with suitable method for mounting license plate
Light, Landing	L.E.D., outside next to entrance door
Lights	Sound Off brand strobing overheads. Two (2) Combination Brake & Tail Lights: Shall be a minimum of 7" and meet all State and Federal Standards and must be low impedance L.E.D. Tail Lights: Must be low impedance L.E.D. and shall be equipped with two (2) 7-inch tail lights and two (2) 7-inch L.E.D. back up lights. Light intensity shall equal Class A type turn signal units. Turn Signal Lights: Must be low impedance L.E.D. and shall be 7" and include two (2) sides of bus-mounted L.E.D. turn signals behind entrance door right side and equal distance on left side. Must meet applicable standards.
Lights, Clearance	Must be L.E.D. and meet State and Federal Standards. Clearance lights must be armored marker and L.E.D. Identification Lights: must meet State and Federal Standards
Lights, Interior	There shall be eight (8) or more dome lights installed to include 2 in driver's compartment and two (2) in rear on separate switches
Metal Body	16-gauge metal
Mirror System	Interior mirror shall be tempered glass and rounded corners and protected edges. Must be 6"x 30". Exterior mirrors must meet FMVSS 111 with crossover view mirrors. All mirrors to be heated and actuated through a separate wired switch and ignition with a pilot light. Front visibility to provide unobstructed view of all mirrors.
Mirror, Timer	Required
Mirrors, Crossover	Rosco Mini Hawk Eye, heated
Mirrors, Side	Remote, heated, split mirrors
Mud Flaps	Two (2) front and two rear attached appropriately
Noise Reduction System	Perforated ceiling full vehicle length
Paint and Finish	The bus shall be painted National School Bus Yellow color and trimmed in black. All wheels, both inside and out shall be painted black in color to comply with Michigan Motor Vehicle Code. The Body Guard Rails, front and rear Bumpers, and front and rear axle Wheel Hubs shall be finish painted black.

Paint, Roof	To be same paint as rest of bus body and as per Michigan Specifications- No White Roof.
Paneling, Exterior	Exterior paneling includes sheet metal skin forming exterior surface of body and shall be 16-gauge steel minimum thickness and be attached to bow frames and strainers to act as an integral part of structural frame.
Quiet Zone	In order to reduce noise and increase operating safety in the driver's area, a quiet zone shall be furnished that includes no AM/FM radio/PA speakers installed within a 120" radius of the driver's seat.
Radio System/ Public Address System	AM/FM radio/PA/clock inside and outside.
Reflectors	2 amber reflectors on each side of bus near the front and 2 red on rear side panels, 2 red on rear panels, and 2 amber intermediate on sides
Reflectors, Emergency Roadside	3 reflector type warning devices meeting FMVSS 125 and shall be mounted near entrance door.
Roof Vent, Static	Manufacturer Standard
Rub Rails	4 applied rub rails including snow rails to be 1 piece. 1 below side windows, 1 at passenger level, 1 near floor line, and 1 at bottom of skirt to be properly secured
Seat, Driver's	Air ride w/o arm rest. Shall have a driver's seat equipped with a 1-piece 6-way adjustable high back seat designed to minimize potential for head and neck injuries, providing minimum obstruction to the driver's view of passengers, and meeting applicable requirements of FVMSS 222 as defined in FMVSS 208. The seat shall be made with cloth insert and adjust the position using a fingertip control. A 3-point shoulder/lap seat belt will be installed meeting all applicable standards
Seats	Standard cover material, entire bus
Seats, Passenger	To accommodate size of body, 52 oz. heavy-duty covering. 5/16" grade 5 bolts and nuts shall be used. 39" seats. Seating and Modesty Panels: must meet FMVSS 222 and FMVSS 210, seat belt ready w/o seatbelts.
Seats, Passenger: Color	Standard color - Gray
Step Tread	Pebble tread w/non-metallic backing
Stepwell	Standard stepwell, 3 steps required; must meet State and Federal Standards. Stainless steel is OPTIONAL.

Stop Arm Signals	Must meet State and Federal Standards. Electrically powered with reflective tape, alternating STROBE lights, both front and rear of bus with wind-guard.
Storage Compartment Driver's Area	Interior front bulkhead overhead compartment with finished sides, and glovebox.
Storage Pouch	Mounted on barrier behind driver
Structure Design	Must meet State and Federal Standards
Student Reminder System	Manufacturer Standard to be triggered by 8-lamp flasher
Sunshade	A tinted, transparent plastic sun shield, 6"x30" shall be installed and have substantial mounting to remain in position
Video Security System	"Protect" brand, model GP-T11A video system to be equipped with four (4) cameras, and a minimum of 128GB of memory. Specific camera locations to be agree upon by vendor and purchaser prior to installation.
Warning System	"Sound Off" brand overhead L.E.D. 8-light strobing warning system must meet State and Federal Standards
Wheel Housing	Shall be constructed of 18 gauge or heavier steel and be rigidly reinforced and be attached to the floor and side panels in such a manner as to prevent water or dust from entering the bus interior and shall be designed for easy removal of tires
Windows	An adjustable split side sash window shall be mounted in the side of body between each framing post. Safety glass shall be used. All windows will have no tint. All glass and windows must meet State and Federal Standards. All windows shall be standard – NOT frost free.

Windshield

To be constructed of safety glass. Windshield Steps and Handles: a step and appropriate grab handle shall be installed on each front corner of the exterior body. Handle shall be stainless steel, chrome plated, or nonferrous metal and shall provide 4-point mounting and adequate handhold. Handle shall be contoured and formed to provide a safe grip. Windshield Washers and Wipers, Fluid Container: electrical intermittent wet arm 2-speed windshield wipers shall be standard. Wiper arms will be equipped with snow blades of adequate length to clear windshield glass in driver's direct view. Switch shall be located within easy reach from the driver's seat. Windshield washer fluid container is to be minimum 70 ounces and must meet State and Federal Standards.

Additional
Equipment-

Storage Compartment- 2 door (98 inches overall length) fiberglass mounted on passenger side of bus.

BID PROPOSAL FORM

1. NAME OF BIDDER

Firm Name: _____
 Address: _____
 Contact Person _____
 Telephone & _____
 Fax: _____
 E-mail: _____

2. PROJECT NAME

Project Name: **School Bus Proposal #20426 - Portage Public Schools**

3. AGREEMENTS

The undersigned understands that the Owner (PPS) reserves the right to accept or reject any or all Bids in whole or in part, or to waive any informalities therein. If in the Owners opinion it is in their best interest, the contract may be awarded to other than the lowest bidder, for reasons of establishing uniformity, delivery time, etc.

Bids must be valid for a period of sixty (60) days from bid due date.

4. ATTACHMENTS TO BID PROPOSAL FORM

The undersigned acknowledges the following are included with the Bid Proposal Form:

- 1. Unit Pricing & Estimated Delivery Dates: Yes _____
- 2. Warranty & Product Specification Information: Yes _____
- 3. Legal Status of Bidder, Iran Economic Sanctions Act, Familial Relationship Disclosure Forms: Yes _____

Category A: Five (5) new 77 Passenger Buses Model Year _____

Unit Price \$ _____ Total Price \$ _____

Body _____ Chassis _____
 Est Delivery Date _____

Category B: TWO (2) new Special Needs Lift Bus Model Year _____

Unit Price \$ _____ Total Price \$ _____

Body _____ Chassis _____
 Est Delivery Date _____

IRAN ECONOMIC SANCTIONS ACT

Effective April 1, 2013 all bids, proposals, and/or qualification statements received in the State of Michigan (MCL 129.313) must comply with the "Iran Economic Sanctions Act". The following certification is to be signed and included at the time of submittal.

CERTIFICATION

Pursuant to the Michigan Iran Economic Sanctions Act, 2012 P.A. 517, by submitting a bid, proposal or response, Respondent certifies, under civil penalty for false certification, that it is fully eligible to do so under law and that it is not an "Iran linked business", as that term is defined in the Act.

_____	_____
Signature	Title
_____	_____
Company	Date

LEGAL STATUS OF BIDDER

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS.

The Vendor and/or Bidder certifies to the best of its knowledge and belief that it and its principals: Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency; Have not within a three-year period preceding this agreement been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offences enumerated above in this certification; and Have not within a three-year period preceding this agreement had one or more public transactions (Federal, State, or local) terminated for cause or default; is not now or has been, within a three-year period preceding this date, been listed on the Excluded Parties List System website (EPLS).

Firm Name: _____

Name, title and signature of individual duly authorized to execute contracts:

Name: _____

Title: _____

Signature: _____

A Corporation organized and existing under the laws of the State of _____

PORTAGE AFFILIATION (If it pertains):

Do you maintain a permanent office, factory, or other facility in Allegan, Barry, Branch, Calhoun, Cass, Kalamazoo, St. Joseph, or Van Buren counties with employees working in any of these counties? If yes, please provide the address: _____

Have you paid real or personal property taxes relating to said business in the previous tax year?

FAMILIAL RELATIONSHIP DISCLOSURE STATEMENT

As required by Public Act 232 of 2005, all bids shall be accompanied by a sworn and notarized statement disclosing any familial relationship that exists between the owner or any employee of the bidder and any employee of the Portage Public School District or member of the Portage Public Schools Board of Education. The Board of Education shall not accept a bid that does not include this sworn and notarized disclosure statement.

The undersigned, the owner or authorized officer of _____(the "Bidder"), pursuant to the familial disclosure requirement provided in the Portage Public Schools advertisement for construction bids, hereby represent and warrant, except as provided below, that no familial relationships exist between the owner(s) or any employee of the company and any employee of the Portage Public School District or member of the Portage Public Schools Board of Education. If such a relationship exists, please explain:

Attach additional pages if necessary

By: _____(Bidder Signature)

Title: _____(type or print)

Date: _____

Subscribed and Sworn to Before Me:

This _____ day of _____, 20____A.D., in and for the

County of _____, Michigan.

My Commission expires _____.

Signature of Notary