

Cedar Falls Community Schools
1002 West First Street
Cedar Falls, Iowa 50613

BUS BIDS FOR JANUARY 13, 2020

Base Bid for Front Engine Transit School Bus Body & Chassis

	Hoglund Bus Co. (IC)	School Bus Sales (Blue Bird)	Truck Center Companies (Thomas)
Base Bid (for two 84 passenger)	No bid received	\$227,734.00	\$225,778.00
Less Trade-In Bus #10		\$2,500.00	\$2,400.00
Less Trade-In Bus #30		\$3,000.00	\$2,800.00
Extended engine warranty (per bus)		NA	\$4,300.00
Front axle air ride suspension (per bus)		\$752.00	NA
Undercarriage storage compartment (per bus)		\$2,950.00	\$1,575.00
Rear backup camera (per bus)		Included	\$500.00
TOTAL BID (for two buses with options as noted)	\$0.00	\$226,688.00	\$223,153.00

Recommend acceptance of bid by School Bus Sales. Trade in both units, add air ride suspension and backup cameras on both units and undercarriage storage on one unit only. Truck Center Companies does not offer front axle air ride suspension which is requested. The undercarriage storage compartment by Truck Center Companies is 72 cu. ft. compared to 93.5 cu. ft. by School Bus Sales.
Recommend acceptance of bid in the amount of \$226,688.00.

Base Bid for Conventional School Bus

	Hoglund Bus Co. (IC)	School Bus Sales (Blue Bird)	Truck Center Companies (Thomas)
Base Bid	\$93,865.00	\$94,755.00	\$98,422.00
Extended engine warranty	\$4,700.00	NA	\$4,300.00
Rear backup camera	\$500.00	Included	\$500.00
Propane in lieu of diesel	\$9,794.00	\$4,900.00	\$11,450.00
TOTAL PRICE	\$108,859.00	\$99,655.00	\$114,672.00

Recommend acceptance of low bid by School Bus Sales in the amount of \$99,655.00.

Base Bid for Conventional School Bus with Wheelchair Lift

	Hoglund Bus Co. (IC)	School Bus Sales (Blue Bird)	Truck Center Companies (Thomas)
Base Bid	\$99,879.00	\$102,379.00	\$102,765.00
Extended engine warranty	\$4,700.00	NA	\$4,300.00
Front axle air ride suspension	NA	\$726. diesel only	NA
Rear backup camera	\$500.00	Included	\$500.00
Propane in lieu of diesel	\$10,020.00	\$4,900.00	\$11,450.00
TOTAL PRICE	\$115,099.00	\$107,279.00	\$119,015.00

Front axle air ride suspension is not available with propane. Recommend acceptance of low bid by School Bus Sales with propane in the amount of \$107,279.00.

**Cedar Falls Community School District
1002 West First St.
Cedar Falls, Iowa 50613**

**NOTICE OF TRANSIT SCHOOL BUS BID
BIDDING INSTRUCTIONS**

Sealed proposals will be received by the Board of Education of the Cedar Falls Community School District until 1:00 PM (CST), Friday, December 20, 2019, for furnishing two (2) 2019 or 2020 model year new front engine transit school bus chassis and body to be completely equipped, manufactured, painted, and delivered to the school district by August 1, 2020.

Throughout these documents and specifications, the term "District" or "Owner" refers to the Cedar Falls Community School District. The term "vendor", "bidder", or "dealer" refers to the firm submitting a quotation for products or services to the District.

ALL BUS BODIES AND CHASSIS SHALL MEET OR EXCEED ALL OF THE SPECIFICATIONS FOR SCHOOL BUS BODIES AND CHASSIS CURRENTLY IN EFFECT IN IOWA, AND THE ADDITIONAL SPECIFICATIONS ATTACHED.

The School District will execute all necessary exemption forms submitted to it to establish any tax exemption to which it may be entitled as a public school district.

Bids may be made on forms supplied by the School District, or upon forms submitted by the bidder, provided that the bid shall include all items and descriptions thereof, and alternates which bidder wishes to submit a quotation, as contained in the forms provided by the School District.

The contract between the awarded bus dealer and the District may be canceled or annulled by the Cedar Falls Community School District Board of Education in whole or in part by written notice of default to the dealer upon non-performance or violation of contract terms. An award may be made to another bidder, or, articles specified may be purchased on the open market similar to those so terminated. In either event, the defaulting dealer shall be liable to the District for costs to the District in excess of the defaulted contract price. Failure of the dealer to deliver materials or services within the time stipulated on this bid, unless extended in writing by the Director of Business Affairs of the Cedar Falls Community School District, will also constitute as contract default.

Proposals will be received until 1:00 PM (CST), Friday, December 20, 2019, at the James L. Robinson Administration Center, 1002 West First St., Cedar Falls, Iowa at which time the bids will be opened and read aloud. All quotations received shall remain firm and without change in cost for a period of sixty (60) days after the bid opening date. Bid envelopes are to be marked "TRANSIT SCHOOL BUS BID". Once a bid is opened, it may not be withdrawn without the consent of the District. Bidders are advised that the District is not responsible for the late delivery of bids by any delivery service, for any reason. Bid proposals arriving after the specified time and place will be returned to the bidder unopened. Prices quoted shall equal or exceed any and all discounts available through the National Joint Powers Alliance, if applicable.

Notification of delivery of the completed school bus should be made five (5) days in advance in order that payment may be made at the time of delivery. If the District is not properly notified, payment may not be made upon delivery. This payment, however, does not exclude the dealer from insuring that the

bus body and chassis comply with all state and federal regulations, from any delivery setup that is required, from conducting an instructional in service of the operation of the vehicle, and performing any or all factory or extended service warranties (parts & labor) that accompanies the bus.

Upon request from the Iowa Department of Education, successful bidder must verify that chassis meets minimum standards for axles, brakes, exhaust system, noise level, horn, power and grade ability, and springs and body construction.

The Board of Education will make a final decision at its January 13, 2020 regularly scheduled board meeting. The Cedar Falls Community School District reserves the right to accept or reject any or all bids, or any part thereof, to waive informalities, technicalities and accept alternates as bid if it so desires. Bid may be rejected if the cost of this bid exceeds budgetary limits as established by District.

Dated in Cedar Falls, Iowa this 3rd day of December, 2019.

CEDAR FALLS COMMUNITY SCHOOL DISTRICT
Cedar Falls, Iowa 50613

Denelle Gonnerman
Chief Financial Officer

Enclosures

**Cedar Falls Community School District
Cedar Falls, Iowa 50613**

TRANSIT SCHOOL BUS SPECIFICATIONS

Sealed bids will be received by the Board of Education of the Cedar Falls Community School District, Cedar Falls, Iowa, up to 1:00 PM (CST), Friday, December 20, 2019, at the James L. Robinson Administration Building for two (2) eighty-four (84) passenger front engine transit type school bus in accordance with the most recent State of Iowa School Bus Body and Chassis Requirements, and the following added conditions and specifications:

Year, Make & Model of Bus: _____

Diesel Engine Size: Base Bid – Cummins ISB 260 6.7L 260 hp 6 cyl.

Engine must be equipped with fuel filter heaters.

Engine must have minimum five year/100,000 mile warranty.

____ Model ____ Cu. In. ____ Cyl. ____ Rated HP at ____ RPM ____ Torque at ____ RPM

Engine shall be mounted in the front of the bus **only!**

Engine shall be set for bus to maintain a speed of 75 mph when traveling interstate highways.

Accessory Outlet: Electrical power socket shall be provided in close proximity to driver

Air Cleaner: Heavy duty dry element type that meet engine manufacturer specifications.

Air Intake: Fresh air drawn into bus from front outside bus.

Alternator: Meet or exceed state and federal standards for weight of body. (Min. 200 amps.)

Auxiliary Fans: Three 6" auxiliary fans, 2 speeds. Separate switch located in control panel required for each fan.

Axles and

Suspension:

Meet or exceed state and federal standards for weight of body.

Front: _____ lb. capacity (13,200 lb. minimum required).

Rear: _____ lb. capacity (21,000 lb. minimum required).

Oil lube wheel seals required.

Air ride suspension for rear axles required!

No more than seventy-five (75) percent of gross vehicle weight is on rear tires,
And not more than thirty-five (35) percent of gross vehicle weight on the front
tires when fully loaded.

Battery: Minimum two (2) 12 volt battery system located in left side body skirt with slide out tray. Battery system shall possess a minimum reserve capacity of 200 minutes and 1800 cold cranking ampere capacity.

Bearings:	Ample resiliency under all load conditions and of adequate strength to sustain loaded bus without evidence of overload.
Block Heater:	Must be equipped with a motor heater powered by 110 volt AC, 750 watt rated.
Body Headroom:	Headroom height shall be a minimum of 77 inches.
Brakes:	<p>Air brake system to meet or exceed state and federal standards for weight of bus with the following minimum requirements:</p> <ul style="list-style-type: none"> • Front - 16½" x 6", Rear 16 ½" x 8 ½" • Minimum 3,500 cu. in. air tanks with air dryers • Minimum 13.5 cfm compressor • Automatic slack adjusters • Outboard brake drums • ABS all wheels <p>Park brake control to be dash mounted.</p>
Bumper:	Front and rear bumpers shall be heavy duty one piece construction attached directly to the frame and extend to outer edges of bus body.
Bus Construction:	All metal parts shall be treated against rust and corrosion. Unit to be completely undercoated. Aluminized interior side panels are required.
Bus Frame:	One piece steel frame rail construction, 50,000 psi minimum tensile strength.
Control Switches:	Left side of driver, illuminated. Rocker type preferred.
Coolant:	Recovery reservoir or tank filtered system with heavy duty radiator.
Color:	Exterior: National school bus yellow with black bumpers, wheel rims, and trim. Interior: Selected from standard options available from manufacturer.
Cross Gate:	Front mounted cross gate with automatic operation when entrance door opens. Manual interrupt switch required.
Dome Lamps:	Dual row dome lights with driver's dome and supervisors light on a dimmer switch.
Door Entrance:	Entrance step shall be no higher than 14" above the ground. Door shall be panic outward opening type meeting all state and federal regulations with a vandal lock. Steps well will be 3 step with rubber covered with rubber nosing. Indicate if door is air operated (preferred) or electric. _____
Drive Shaft:	Segments protected by metal guards to prevent whipping through floor or dropping to ground if broken.

Drivers Seat:	Deluxe air ride high back, 6 way adjustable, with adjustable left and right side arm rests, cloth with protective cover around suspension area of seat.
Electrical System:	Readily accessible terminal so that body and chassis electrical load can be recorded through chassis ammeter, wiring system to terminal minimum 100 amp capacity compatible with generating capacity and ammeter capable of recording continuous draw of 100 amperes. Circuit breaker system only. System shall have service access panels for all electrical components on driver's side of bus. System shall have solenoid switch so all electrical circuits are wired through ignition.
Emergency Exits:	Rear emergency door and six (6) emergency side exit windows or more as required by law. All emergency exits must have alarm buzzers. Red light over rear door required. Red light shall be connected to headlight switch so red light is on anytime headlights are on.
Emergency Equipment:	As required by state and federal regulations including one (1) 5 lb. dry chemical fire extinguisher with a minimum rating of 10-BC17, one (1) 36 unit first aid kit, one (1) body fluid cleanup kit and one (1) triangle reflector kit. Equipment to be mounted or stored in overhead compartment in the front of bus. Compartment must be clearly marked indicating emergency equipment is stored in compartment.
Engine Fan:	Engine fan clutch
Exhaust System:	Exhaust pipe, muffler, and tailpipe shall be outside the bus body and attached to the chassis. Tailpipe shall be constructed of seamless or electrically welded tubing of 16 gauge steel or equivalent. System shall be properly insulated from fuel tank and connections by a metal shield at any point where the exhaust system is within 12 inches of the fuel tank or connections. Muffler shall be constructed of corrosion resistant material. Tailpipe shall end to left side just ahead of rear dual wheels.
Flooring and Floor Covering:	Plywood floor, marine grade, 5/8" thk. over steel flooring. Floor covering in aisle will be ribbed rubber, minimum of 0.140 thick, with smooth rubber in other areas. Driver's area floor covering must be a minimum of 0.125 thk. heavy duty. Color to be selected from standard choices available.
Fuel Tank:	100 gallon or greater capacity, and conform to Sec. 393.67 of the Motor Carrier Safety Regulations to include protective cage. Coolant in-line fuel heater required (no substitution). Heated fuel/water filter with replaceable element shall be installed between fuel tank and injector pump. A fuel inspection plate shall be installed in the floor of bus where required. Lockable fuel tank door required.
Head Lamps:	Sealed beam of proper intensity with fuses or circuit breakers. Switch adequate to carry the load of clearance and identification lamps in addition to the head and tail

lamps since all of these are activated by one switch. Manually operated foot switch or steering column hand controlled switch for high-low beam.

Header Pad: Header pad over entrance and rear emergency door.

Heaters: Minimum heater requirements are as follows:

- 50,000 BTU front heater
- 12,000 BTU driver's heater
- Two (2) 80,000 BTU under seat heaters (one front, one rear) with cutoff valve for heaters located near bus drivers seat.

Heaters shall have washable, reusable filters. Heater water pump is required. All heaters shall have two speed capabilities. Snorkel for defrosting driver's side window and entrance door shall be included.

Horn: Dual horns with frequency of 250-2000 cycles per second, and 120 decibels at three (3) feet with backup alarm required.

Instruments: Mounted on instrument panel as follows:

- Speedometer
- Odometer
- Engine hour meter
- Ammeter: Graduated charge and discharge compatible generating capacities
- and capable of handling continuous draw of 100 amperes
- Voltmeter with graduated gauge
- Oil pressure gauge
- Water temperature gauge
- Fuel gauge
- High beam head lamp indicator
- Tachometer
- Air gauges for brake system with warning light and alarm as required
- mounted in dash
- Transmission temperature gauge mounted in dash

LIGHTS IN LIEU OF GAUGES NOT ACCEPTABLE

Insulation: Insulation noise reduction package (maximum of 4.5 decibel), full length of bus. Additional insulation/sound reduction panels over engine and around driver area. Minimum 2" fiberglass insulation on all sides, floor and roof of bus.

Lettering: All lettering front and rear of bus shall be per mandated standards. School name on both sides of bus along belt line of bus. Bus numbering shall be in next to the main entrance door, on the driver's side near the battery access door, on the rear of the bus below one of the license plate areas, and on the front of the bus.

Lights:	All exterior lights as required by state and federal regulations. Overhead yellow and red flashing lights shall be LED design and must have hood over top and sides of lights with black border.
Manuals:	Parts & service manuals for bus body, bus chassis, engine, and transmission required.
Mirrors:	Two 6 ½" x 10" flat and two 6 ½" x 10" convex or larger as required by state and Federal regulations exterior side rear view mirrors required. Side rear view mirrors shall be self-defrosting and remote electrically operated. Interior mirror shall be 6" x 30" or larger as required by regulations. Interior mirror will be constructed with safety glass.
Mud Flaps:	Required, front & rear.
Oil Filter:	Replaceable element or cartridge type. Minimum capacity of one (1) quart.
Passenger Seats:	DOT school bus seats with padded barriers as required. 27½" minimum seat spacing. Seat color to be selected from standard colors available from manufacturer. All seats shall be equipped with lap shoulder belts as required. Please indicate weight of seat cover per ounce. _____
Power & Grade Ability:	Chassis must be so geared as to be capable of surmounting 3.7 percent grade at speed of 30 MPH when fully loaded.
Radio:	AM/FM radio with eight (8) ceiling flush mounted speakers, wired. Radio & antenna should be capable of receiving FM stations from a distance of 50 miles. Interior public address system shall be included with radio.
Reflective Tape:	Reflective vinyl "School Bus" 8" on roof cap front and rear. 2" wide strip on each side of bus. 1 ¾" wide strip on rear of bus. 1" wide strip surrounding each emergency exit.
Roof Hatches:	Two Safe Fleet model 9245 low profile safety emergency access roof hatches shall be installed, front and rear, as required.
Rub Rails:	Four (4) applied rub rails, black in color, below side windows, seat level wrapped to rear door, floor level, and at the bottom of skirt (snow rail).
Service Access:	Service access panels shall provide access to engine, wiper motors, radiator, and all electrical components on driver's side of bus. Vehicle shall include sender inspection plate to allow inspection & replacement of sending unit.
Shock Absorbers:	Front and rear double-acting piston type compatible with rated axle capacity.
Shoulder Rails:	All shoulder rails must be padded.
Steering Gear:	Heavy-duty, truck type power steering with tilt and telescoping wheel.

Stop Arm:	Two electric operated SMI Defender series electric operated stop arm, octagon, with alternately flashing strobe lights and wind guard. Automatic operating when entrance door opens. One to be mounted in the front and one at the rear of the bus.
Stop/Tail Lights:	Four LED design required, two 7" stop/tail lamps with two 4" stop/tail license lamps.
Strobe Light:	Low profile strobe light, 200 candelas minimum, mounted on center of roof between rear emergency hatch and back end of bus roof.
Sun Visor:	Plexiglas sun visor for driver as required, tinted.
Tires & Rims:	2 - 11R22-5 - HD 16 ply radial Unisteel Goodyear G661 HSA, or equivalent, tubeless type front 4 - 11R22-5 - 14 ply radial Unisteel Goodyear G622 RSD, or equivalent, tubeless type rear Bud rim with hub piloted only! Tire Manufacturer _____
Throttle:	Electronic throttle with cruise control.
Tow Hooks:	Two (2) tow hooks fastened to the frame, both front and rear.
Transmission:	Allison 3000 PTS series 5 speed automatic transmission with minimum 1500 BTU/min. heat exchanger, external to radiator.
Turn Signals:	Two front and rear as required with intermediate turn signal on both sides.
Vandal Locks:	Required for all doors (entrance, emergency & fuel).
Ventilator:	Static vent in front roof.
Voltage Regulator:	Repairable type, full transistor except for the field relay, which may be either solid state or controlled contact unit.
Weather Front:	Vinyl or canvas snap-on adjustable weather front for radiator and grille.
Wheelbase:	231 inches (minimum).
Wheel Housing:	Molded rubber covered one piece 16 gauge material with rubber fender extensions on each wheelhouse.
Windows:	Split sash side windows. Thermo-pane glass on driver's side window. All side and rear windows to be dark tinted as allowed by law. Backup glass in emergency door with wire shield.
Windshield:	Two piece curved wraparound shaded windshield. One folding access step and handrail for each section of windshield will be included.

Windshield Wipers: Wet-arm wipers parallelogram type - winter blades. Bottom mounted preferred. Single on/off switch operation. Intermittent wipers required.

District will trade-in the following school buses:

Bus #10, a 2004 Blue Bird All American, 84 passenger transit diesel engine school bus with 148,148 miles.

Bus #30. a 2006 Blue Bird All American, 84 passenger transit diesel engine school bus with 105,593 miles.

All mileage is as of November 1, 2019 and buses will be traded-in AS IS.

**Cedar Falls Community School District
Cedar Falls, Iowa 50613**

TRANSIT SCHOOL BUS BID PROPOSAL FORM

Proposal of _____ (Bidder) doing business
at _____, to the Board of Education, Cedar Falls Community School
District, Cedar Falls, Iowa (District).

The bidder, in compliance with bidding instructions and specifications, together with any Addendum(s), submits the following bid for the purchase of two (2) 84 passenger front engine transit school bus, to be constructed, painted, and delivered to the District by August 1, 2020. Prices quoted shall equal or exceed any and all discounts available through the National Joint Powers Alliance, if applicable. Exact bidder's specifications and information must be attached to this document.

	Price for two (2) 84 passenger buses
Price of buses Delivered to Cedar Falls, Iowa	_____
Trade-in value of Bus #10	_____
Trade-in value of Bus #30	_____
Net Cost of two (2) Buses	_____
Additional cost for extended engine warranty of 10 years/200,000 miles, all parts and labor with zero deductible warranty.	_____
Additional cost for front axle air ride suspension	_____
Additional cost for undercarriage storage compartments. Cubic foot capacity is _____	_____
Additional cost for rear backup camera system, installed	_____

Date

Authorized By

Address

Title

Telephone

Signature

**Cedar Falls Community School District
1002 West First St.
Cedar Falls, Iowa 50613**

**NOTICE OF CONVENTIONAL SCHOOL BUS BID
BIDDING INSTRUCTIONS**

Sealed proposals will be received by the Board of Education of the Cedar Falls Community School District until 1:00 PM (CST), Friday, December 20, 2019, for furnishing one (1) 2019 or 2020 model year new conventional front engine school bus chassis and body to be completely equipped, manufactured, painted, and delivered to the school district no later than August 1, 2020.

Throughout these documents and specifications, the term "District" or "Owner" refers to the Cedar Falls Community School District. The term "vendor", "bidder", or "dealer" refers to the firm submitting a quotation for products or services to the District.

ALL BUS BODIES AND CHASSIS SHALL MEET OR EXCEED ALL OF THE SPECIFICATIONS FOR SCHOOL BUS BODIES AND CHASSIS CURRENTLY IN EFFECT IN IOWA, AND THE ADDITIONAL SPECIFICATIONS ATTACHED.

The School District will execute all necessary exemption forms submitted to it to establish any tax exemption to which it may be entitled as a public school district.

Bids may be made on forms supplied by the School District, or upon forms submitted by the bidder, provided that the bid shall include all items and descriptions thereof, and alternates which bidder wishes to submit a quotation, as contained in the forms provided by the School District.

The contract between the awarded bus dealer and the District may be canceled or annulled by the Cedar Falls Community School District Board of Education in whole or in part by written notice of default to the dealer upon non-performance or violation of contract terms. An award may be made to another bidder, or, articles specified may be purchased on the open market similar to those so terminated. In either event, the defaulting dealer shall be liable to the District for costs to the District in excess of the defaulted contract price. Failure of the dealer to deliver materials or services within the time stipulated on this bid, unless extended in writing by the Director of Business Affairs of the Cedar Falls Community School District, will also constitute as contract default.

Proposals will be received until 1:00 PM (CST), Friday, December 20, 2019, at the James L. Robinson Administration Center, 1002 West First St., Cedar Falls, Iowa at which time the bids will be opened and read aloud. All quotations received shall remain firm and without change in cost for a period of sixty (60) days after the bid opening date. Bid envelopes are to be marked "CONVENTIONAL SCHOOL BUS BID". Once a bid is opened, it may not be withdrawn without the consent of the District. Bidders are advised that the District is not responsible for the late delivery of bids by any delivery service, for any reason. Bid proposals arriving after the specified time and place will be returned to the bidder unopened. Prices quoted shall equal or exceed any and all discounts available through the National Joint Powers Alliance, if applicable.

Notification of delivery of the completed school bus should be made five (5) days in advance in order that payment may be made at the time of delivery. If the District is not properly notified, payment may not be made upon delivery. This payment, however, does not exclude the dealer from insuring that the bus body and chassis comply with all state and federal regulations, from any delivery setup that is required, from conducting an instructional in service of the operation of the vehicle, and performing any or all factory or extended service warranties (parts & labor) that accompanies the bus.

Upon request from the Iowa Department of Education, successful bidder must verify that chassis meets minimum standards for axles, brakes, exhaust system, noise level, horn, power and grade ability, and springs and body construction.

The Board of Education will make a final decision at its January 13, 2020 regularly scheduled board meeting. The Cedar Falls Community School District reserves the right to accept or reject any or all bids, or any part thereof, to waive informalities, technicalities and accept alternates as bid if it so desires. Bid may be rejected if the cost of this bid exceeds budgetary limits as established by District.

Dated in Cedar Falls, Iowa this 3rd day of December, 2019.

CEDAR FALLS COMMUNITY SCHOOL DISTRICT
Cedar Falls, Iowa 50613

Denelle Gonnerman
Chief Financial Officer

Enclosures

**Cedar Falls Community School District
Cedar Falls, Iowa 50613**

CONVENTIONAL SCHOOL BUS SPECIFICATIONS

Sealed bids will be received by the Board of Education of the Cedar Falls Community School District, Cedar Falls, Iowa, up to 1:00 PM, Friday, December 20, 2019, at the James L. Robinson Administration Building for one (1) sixty-five (65) passenger conventional type school bus in accordance with the most recent State of Iowa School Bus Body and Chassis Requirements, and the following added conditions and specifications:

Year, Make & Model of Bus: _____

Diesel Engine Size: Cummins ISB-series 6.7L 220 hp in-line 6 cylinder,

Model _____ Cu. In. _____ Cyl _____ Rated HP at _____ RPM _____ Torque at _____ RPM

Engines must be equipped with fuel filter heaters.

Engines must have minimum five year/100,000 mile zero deductible parts and labor warranty

Engine shall be set for bus to maintain a speed of 70 mph when traveling interstate highways.

Transmission: Allison PTS-2500 series 5 speed automatic transmission. Transmission must have external filter.

Accessory Outlet: Electrical power socket shall be provided in close proximity to driver

Air Cleaner: Heavy duty dry element type that meet engine manufacturer's specifications.

Air Intake: Fresh air drawn into bus from front outside bus.

Alternator: Meet or exceed state and federal standards for weight of body. (Min. 200 amps.)

Auxiliary Fans: Three 6" auxiliary fans, 2 speed, one located center windshield, one located upper left and upper right, mounted. Separate switch located in control panel required for each fan.

Axles & Suspension: Meet or exceed state and federal standards for weight of body.

Front: _____ lb. capacity (12,000 lb. minimum required).

Rear: _____ lb. capacity (19,000 lb. minimum required).

Oil lube wheel seals required.

Air ride suspension for rear axles required!

No more than seventy-five (75) percent of gross vehicle weight is on rear tires, and not more than thirty-five (35) percent of gross vehicle weight on the front tires when fully loaded.

Backup Warning

- System:** Automatic system as per Backup Alarm Standard ASEJ994B with min. 112 db.
- Battery:** Minimum two (2) 12 volt battery system located in left side body skirt with slide out tray. Battery system shall possess a minimum reserve capacity of 200 minutes and 1800 cold cranking ampere capacity.
- Bearings:** Ample resiliency under all load conditions and of adequate strength to sustain loaded bus without evidence of overload.
- Block Heater:** Must be equipped with a motor heater powered by 110 volt AC, minimum 750 watt rated.
- Body Headroom:** Headroom height shall be a minimum of 77 inches.
- Brakes:** Air brake system to meet or exceed state and federal standards for weight of bus with the following minimum requirements:
- Front – 16 1/2" x 6", Rear 16 1/2" x 8 1/2"
 - Minimum 3,500 cu. in. air tanks with self purging heated air dryers
 - Minimum 13.5 cfm compressor
 - Automatic slack adjusters
 - Outboard brake drums
 - ABS all wheels
 - Park brake control to be dash mounted
- Bumper:** Front and rear bumpers shall be heavy duty one piece construction, minimum 3/16" thk. attached directly to the frame and extend to outer edges of bus body.
- Bus Construction:** All metal parts shall be treated against rust and corrosion. Unit to be completely undercoated with undercoating compound that meets TT-C-520B standard. Aluminized interior side panels are required.
- Bus Frame:** One piece steel frame rail construction, 50,000 psi minimum tensile strength.
- Control Switches:** Left side of driver, illuminated. Rocker type preferred.
- Coolant:** Recovery reservoir or tank filtered system with heavy duty radiator.
- Color:** Exterior: National school bus yellow with black bumpers, wheel rims, and trim. Interior: Selected from standard options available from manufacturer.
- Cowl Steps:** Required to wash windshield.
- Cross Arm:** Electric front mounted cross gate with automatic operation when entrance door opens. Manual interrupt switch required. Arm must swing 90 degrees from front

bumper when operated. Cross arm must be a minimum of 70" in length.

Crossover Mirrors: Minimum two (2) convex heated mirrors mounted on front corners of bus with pilot light on control switch. Black colored frames properly fastened so there is no vibration or shaking of mirrors during travel.

Dome Lamps: Dual row dome lights with driver=s dome and supervisors light on a dimmer switch.

Door Entrance: Entrance step shall be no higher than 14" above the ground. Door shall be panic outward opening type meeting all state and federal regulations with a vandal lock. Left side step handrails are required. Prefer three step entrance. Indicate if door is air operated (preferred) or electric. _____

Drive Shaft: Segments protected by metal guards to prevent whipping through floor or dropping to ground if broken.

Driver's Seat: Deluxe air ride high back, 6 way adjustable, with adjustable left and right side arm rests, cloth with protective cover around suspension area of seat and Type 2 lap belt/shoulder harness.

Electrical System: Readily accessible terminal so that body and chassis electrical load can be recorded through chassis ammeter, wiring system to terminal minimum 100 amp capacity compatible with generating capacity and ammeter capable of recording continuous draw of 100 amperes. Circuit breaker system only. System shall have service access panels for all electrical components on driver=s side of bus. System shall have solenoid switch so all electrical circuits are wired through ignition.

Emergency Exit's: Rear emergency door and minimum four (4) emergency side exit windows or more as required by law. All emergency exits must have alarm buzzers. Red light over rear door required. Red light shall be connected to headlight switch so red light is on anytime headlights are on.

Emergency Equipment: As required by state and federal regulations including one (1) 5 lb. dry chemical fire extinguisher with a minimum rating of 10-BC17, one (1) 36 unit first aid kit, one (1) body fluid cleanup kit, and one (1) triangle reflector kit. Equipment to be mounted or stored in overhead compartment in the front of bus. Compartment must be clearly marked indicating emergency equipment is stored in compartment.

Engine Fan: Engine fan clutch

Engine Hood: Tilt forward design only!

Exhaust System:	Exhaust pipe, muffler, and tailpipe shall be outside the bus body and attached to the chassis. Tailpipe shall be constructed of seamless or electrically welded tubing of 16 gauge steel or equivalent. System shall be properly insulated from fuel tank and connections by a metal shield at any point where the exhaust system is within 12 inches of the fuel tank or connections. Muffler shall be constructed of corrosion resistant material. Tailpipe shall extend to a vertical line equal to the rear of the bus body, but not beyond the rear bumper, and located to the right or left of the rear emergency door, or tailpipe may discharge in front of the driver's side rear dual tire.
Flooring & Floor Covering:	Plywood floor, marine grade, 5/8" thk. over steel flooring. Passenger area flooring shall be minimum 0.125" thick elastomer type covering. Floor covering in aisle will be ribbed rubber, minimum of 0.140 thick, with smooth rubber in other areas. Driver's area floor covering must be a minimum of 0.125" thk., heavy duty. All floor covering to be permanently bonded to floor deck with waterproof bonding material. Floor color to be selected from standard choices available.
Fuel Tank:	90 gallon or greater capacity, and conform to Sec. 393.67 of the Motor Carrier Safety Regulations to include protective cage. Coolant in-line fuel heater required (no substitution). Heated fuel/water filter with replaceable element shall be installed between fuel tank and injector pump. A fuel inspection plate shall be installed in the floor of bus where required. Right side location lockable fuel tank door required.
Head Lamps:	Sealed beam of proper intensity with fuses or circuit breakers. Switch adequate to carry the load of clearance and identification lamps in addition to the head and tail lamps since all of these are activated by one switch. Manually operated foot switch or steering column hand controlled switch for high-low beam. Daytime running lamps required.
Header Pad:	Header pad over entrance and rear emergency door.
Heaters:	Minimum heater requirements are as follows: 90,000 BTU front heater, 50,000 BTU drivers heater, two 80,000 BTU under seat heaters (one front, one rear) with cutoff valve for heaters located near bus engine. Heaters shall have washable, reusable filters. Heater water pump is required. All heaters shall have two speed capability. Snorkel for defrosting driver's side window shall be included.
Horn:	Dual horns with frequency of 250-2000 cycles per second, and 120 decibels at three (3) feet with backup alarm required.
Insulation:	Insulation noise reduction package (maximum of 4.5 decibel), full length of bus.

Additional insulation/sound reduction panels over engine and around driver area.
Minimum 2" fiberglass insulation on all sides, floor, and roof of bus.

Instruments: Mounted on instrument panel as follows:
Speedometer
Odometer
Engine hour meter
Ammeter: Graduated charge and discharge compatible generating capacities
and capable of handling continuous draw of 100 amperes
Voltmeter with graduated gauge
Oil pressure gauge
Water temperature gauge
Fuel gauge
High beam head lamp indicator
Tachometer
Air pressure gauge for air brake system with audible low air pressure
indicator with air pressure drops below 60/psi
Transmission temperature gauge mounted in dash
Electronic Achill check@ monitor system
LIGHTS IN LIEU OF GAUGES NOT ACCEPTABLE

Lettering: All lettering front and rear of bus shall be per mandated standards. School name on both sides of bus along belt line of bus. Bus numbering shall be in next to the main entrance door, on the driver's side near the battery access door, on the rear of the bus below one of the license plate areas, and on the front of the bus.

Lights: All exterior lights and reflectors as required by state and federal regulations. Overhead yellow and red flashing lights shall be LED design and **must** have hood over top and sides of lights with black border.

Mirrors: Two 6 1/2" x 10" flat and two 6 1/2" x 10" convex or larger as required by state and federal regulations exterior side rear view mirrors required. Side rear view mirrors shall be self defrosting and remote electrically operated. Interior mirror shall be 6" x 30" or larger as required by regulations. Interior mirror will be constructed with safety glass.

Mud Flaps: Rubber construction type for all front & rear tires required.

Oil Filter: Replaceable element or cartridge type. Minimum capacity of one (1) quart.

Passenger Seats: DOT school bus seats with padded barriers as required. 27 1/2" minimum seat spacing. Seat color to be selected from standard colors available from manufacturer. All seats shall be equipped with lap shoulder belts as required. Please indicate weight of seat cover per ounce (42 oz minimum).

Power & Grade Ability:	Chassis must be so geared at to be capable of surmounting 3.7 percent grade at speed of 40 MPH when fully loaded.
Radio:	AM/FM/CD radio system with eight (8) ceiling flush mounted speakers, wired. Radio & antenna should be capable of receiving FM stations from a distance of 50 miles. Interior public address system shall be included with radio.
Reflective Tape:	Reflective vinyl ASchool Bus@ 8" on roof cap front and rear. 2" wide strip on each side of bus. 1 3/4" wide strip on rear of bus. 1" wide surrounding each emergency exit.
Roof Hatches:	Two Safe Fleet model 9245 low profile safety emergency access roof hatches shall be installed as required.
Rub Rails:	4 applied rub rails, black in color, below side windows, seat level wrapped to rear door, floor level, and at the bottom of skirt (snow rail).
Service Access:	Service access panels shall provide access to engine, wiper motors, radiator, and all electrical components on driver's side of bus. Vehicle shall include sender inspection plate to allow inspection & replacement of sending unit.
Service Manual:	Provide complete parts & service manuals for bus body, bus chassis, engine, and transmission for each vehicle purchased.
Shock Absorbers:	Front and rear double-acting piston type compatible with rated axle capacity.
Steering Gear:	Heavy-duty, truck type power steering with tilt and telescoping wheel.
Stop Arm:	Electric operated SMI Defender series stop arm, octagon, with alternately flashing strobe lights and wind guard. Automatic operating when entrance door opens. One to be mounted in front and one at the rear of the bus.
Stop/Tail Lights:	Four LED design required, two 7" stop/tail lamps with two 4" stop/tail license lamps.
Strobe Light:	Low profile strobe light, with pilot light on switch, mounted on center of roof between rear emergency hatch and back end of bus roof. 200 candelas minimum.
Sun Visor:	Plexiglass sun visor for driver as required, tinted.
Tires & Rims:	2 - 11R22-5 - HD 16 ply radial Unisteel G662 tubeless type front 4 - 11R22-5 - 14 ply radial Unisteel G282 tubeless type rear Bud rim with hub piloted only! Tire manufacturer (Goodyear preferred) _____
Throttle:	Electronic throttle with cruise control.

Tow Hooks:	Two (2) tow hooks fastened to the frame, both front and rear.
Turn Signals:	Two front and rear as required with intermediate turn signal on both sides.
Vandal Locks:	Required for all doors (entrance, emergency, and fuel).
Ventilator:	Static vent in front roof.
Voltage Regulator:	Repairable type, full transistor except for the field relay, which may be either solid state or controlled contact unit.
Weather Front:	Vinyl or canvas snap-on adjustable weather front for radiator and grille.
Wheelbase:	231 inches (minimum).
Wheel Housing:	Molded rubber covered, one piece 16 gauge material with rubber fender extensions on each wheelhouse.
Windows:	Split sash side windows. Thermo-pane on driver's side window. All side and rear windows to be dark tinted as allowed by law. Backup glass in emergency door with wire shield.
Windshield:	Two piece curved wraparound shaded windshield preferred.
Windshield Wipers:	Wet-arm wipers parallelogram type - winter blades. Bottom mounted preferred. Individual on/off switch required for each wiper blade. Intermittent wipers required.

District will not have a trade-in.

**Cedar Falls Community School District
Cedar Falls, Iowa 50613**

CONVENTIONAL SCHOOL BUS BID PROPOSAL FORM

Proposal of _____ (Bidder) doing business
at _____, to the Board of Education, Cedar Falls Community School
District, Cedar Falls, Iowa (District).

The bidder, in compliance with bidding instructions and specifications, together with any Addendum(s), submits the following bid for the purchase of one (1) 65 passenger conventional front engine school bus, to be constructed, painted, and delivered to the District no later than August 1, 2020. Prices quoted shall equal or exceed any and all discounts available through the National Joint Powers Alliance, if applicable. Exact bidder's specifications and information must be attached to this document.

Price for 65
Passenger bus

List price of bus _____

Net cost, delivery to Cedar Falls, Iowa _____

Additional cost for extended engine warranty of 10 years
200,000 miles, all parts and labor with zero deductible warranty _____

Additional cost for rear backup camera system, installed _____

Additional cost for propane engine in lieu of diesel engine _____

Model _____ Cu. In. _____ Cyl _____ Rated HP at _____ RPM _____ Torque at _____ RPM

Engines must have minimum five year/100,000 mile zero deductible parts and labor warranty
Engine shall be set for bus to maintain a speed of 70 mph when traveling interstate highways.
Indicate transmission if different than Allison PTS-2500. _____

Engine warranty repair location _____

Date

Authorized By

Address

Title

Telephone

Signature

**Cedar Falls Community School District
1002 West First St.
Cedar Falls, Iowa 50613**

**NOTICE OF CONVENTIONAL SCHOOL BUS WITH WHEELCHAIR LIFT BID
BIDDING INSTRUCTIONS**

Sealed proposals will be received by the Board of Education of the Cedar Falls Community School District until 1:00 PM (CST), Friday, December 20, 2019, for furnishing one (1) 2019 or 2020 model year new conventional front engine school bus chassis and body with wheelchair lift to be completely equipped, manufactured, painted, and delivered to the school district by August 1, 2020.

Throughout these documents and specifications, the term "District" or "Owner" refers to the Cedar Falls Community School District. The term "vendor", "bidder", or "dealer" refers to the firm submitting a quotation for products or services to the District.

ALL BUS BODIES AND CHASSIS SHALL MEET OR EXCEED ALL OF THE SPECIFICATIONS FOR SCHOOL BUS BODIES AND CHASSIS CURRENTLY IN EFFECT IN IOWA, AND THE ADDITIONAL SPECIFICATIONS ATTACHED.

The School District will execute all necessary exemption forms submitted to it to establish any tax exemption to which it may be entitled as a public school district.

Bids may be made on forms supplied by the School District, or upon forms submitted by the bidder, provided that the bid shall include all items and descriptions thereof, and alternates which bidder wishes to submit a quotation, as contained in the forms provided by the School District.

The contract between the awarded bus dealer and the District may be canceled or annulled by the Cedar Falls Community School District Board of Education in whole or in part by written notice of default to the dealer upon non-performance or violation of contract terms. An award may be made to another bidder, or, articles specified may be purchased on the open market similar to those so terminated. In either event, the defaulting dealer shall be liable to the District for costs to the District in excess of the defaulted contract price. Failure of the dealer to deliver materials or services within the time stipulated on this bid, unless extended in writing by the Director of Business Affairs of the Cedar Falls Community School District, will also constitute as contract default.

Proposals will be received until 1:00 PM (CST), Friday, December 20, 2019, at the James L. Robinson Administration Center, 1002 West First St., Cedar Falls, Iowa at which time the bids will be opened and read aloud. All quotations received shall remain firm and without change in cost for a period of sixty (60) days after the bid opening date. Bid envelopes are to be marked "CONVENTIONAL SCHOOL BUS WITH WHEELCHAIR LIFT BID". Once a bid is opened, it may not be withdrawn without the consent of the District. Bidders are advised that the District is not responsible for the late delivery of bids by any delivery service, for any reason. Bid proposals arriving after the specified time and place will be returned to the bidder unopened.

Notification of delivery of the completed school bus should be made five (5) days in advance in order that payment may be made at the time of delivery. If the District is not properly notified, payment may not be made upon delivery. This payment, however, does not exclude the dealer from insuring that the bus body

and chassis comply with all state and federal regulations, from any delivery setup that is required, from conducting an instructional in service of the operation of the vehicle, and performing any or all factory or extended service warranties (parts & labor) that accompanies the bus.

Upon request from the Iowa Department of Education, successful bidder must verify that chassis meets minimum standards for axles, brakes, exhaust system, noise level, horn, power and grade ability, and springs and body construction.

The Board of Education will make a final decision at its January 13, 2020 regularly scheduled board meeting. The Cedar Falls Community School District reserves the right to accept or reject any or all bids, or any part thereof, to waive informalities, technicalities and accept alternates as bid if it so desires. Bid may be rejected if the cost of this bid exceeds budgetary limits as established by District.

Dated in Cedar Falls, Iowa this 3rd day of December, 2019.

CEDAR FALLS COMMUNITY SCHOOL DISTRICT
Cedar Falls, Iowa 50613

Denelle Gonnerman
Chief Financial Officer

Enclosures

**Cedar Falls Community School District
Cedar Falls, Iowa 50613**

CONVENTIONAL SCHOOL BUS WITH WHEELCHAIR LIFT SPECIFICATIONS

Sealed bids will be received by the Board of Education of the Cedar Falls Community School District, Cedar Falls, Iowa, up to 1:00 PM (CST), Friday, December 20, 2019, at the James L. Robinson Administration Building for one (1) conventional front engine type school bus in accordance with the most recent State of Iowa School Bus Body and Chassis Requirements, and the following added conditions and specifications:

Year, Make & Model of Bus: _____

Diesel Engine Size: Base Bid – Cummins ISB 220 6.7L 220 hp 6 cyl.

Engine must be equipped with fuel filter heaters.

Engine must have minimum five year/100,000 mile warranty.

____ Model ____ Cu. In. ____ Cyl. ____ Rated HP at ____ RPM ____ Torque at ____ RPM

Engine shall be mounted in the front of the bus **only!**

Engine shall be set for bus to maintain a speed of 70 mph when traveling interstate highways.

Accessory Outlet: Electrical power socket shall be provided in close proximity to driver

Air Cleaner: Heavy duty dry element type that meet engine manufacturer specifications.

Air Intake: Fresh air drawn into bus from front outside bus.

Alternator: Meet or exceed state and federal standards for weight of body. (Min. 200 amps.)

Auxiliary Fans: Three 6" auxiliary fans, 2 speeds. Separate switch located in control panel required for each fan.

Axles and

Suspension:

Meet or exceed state and federal standards for weight of body.

Front: _____ lb. capacity (13,200 lb. minimum required).

Rear: _____ lb. capacity (21,000 lb. minimum required).

Oil lube wheel seals required.

Air ride suspension for rear axles required!

No more than seventy-five (75) percent of gross vehicle weight is on rear tires,
And not more than thirty-five (35) percent of gross vehicle weight on the front
tires when fully loaded.

Battery: Minimum two (2) 12 volt battery system located in left side body skirt with slide out tray. Battery system shall possess a minimum reserve capacity of 200 minutes and 1800 cold cranking ampere capacity.

Bearings:	Ample resiliency under all load conditions and of adequate strength to sustain loaded bus without evidence of overload.
Block Heater:	Must be equipped with a motor heater powered by 110 volt AC, 750 watt rated.
Body Headroom:	Headroom height shall be a minimum of 77 inches.
Brakes:	<p>Air brake system to meet or exceed state and federal standards for weight of bus with the following minimum requirements:</p> <ul style="list-style-type: none"> • Front - 16½" x 6", Rear 16 ½" x 8 ½" • Minimum 3,500 cu. in. air tanks with air dryers • Minimum 13.5 cfm compressor • Automatic slack adjusters • Outboard brake drums • ABS all wheels <p>Park brake control to be dash mounted.</p>
Bumper:	Front and rear bumpers shall be heavy duty one piece construction attached directly to the frame and extend to outer edges of bus body.
Bus Construction:	All metal parts shall be treated against rust and corrosion. Unit to be completely undercoated. Aluminized interior side panels are required.
Bus Frame:	One piece steel frame rail construction, 50,000 psi minimum tensile strength.
Control Switches:	Left side of driver, illuminated. Rocker type preferred.
Coolant:	Recovery reservoir or tank filtered system with heavy duty radiator.
Color:	<p>Exterior: National school bus yellow with black bumpers, wheel rims, and trim.</p> <p>Interior: Selected from standard options available from manufacturer.</p>
Cowl Steps:	Required to wash windshield.
Cross Gate:	<p>Front mounted cross gate with automatic operation when entrance door opens.</p> <p>Manual interrupt switch required. Arm must swing 90 degrees from front bumper when operated. Cross arm must be a minimum of 70" in length.</p>
Crossover Mirrors:	Minimum two (2) convex heated mirrors mounted on front corners of bus with pilot light on control switch. Black colored frames properly fastened so there is no vibration or shaking of mirrors during travel.
Dome Lamps:	Dual row dome lights with driver's dome and supervisors light on a dimmer switch.

Door Entrance:	Entrance step shall be no higher than 14" above the ground. Door shall be panic outward opening type meeting all state and federal regulations with a vandal lock. Left side step handrails are required. Prefer three step entrance. Indicate if door is air operated (preferred) or electric. _____
Drive Shaft:	Segments protected by metal guards to prevent whipping through floor or dropping to ground if broken.
Driver's Seat:	Deluxe air ride high back, 6 way adjustable, with adjustable left and right side arm rests, cloth with protective cover around suspension area of seat.
Electrical System:	Readily accessible terminal so that body and chassis electrical load can be recorded through chassis ammeter, wiring system to terminal minimum 100 amp capacity compatible with generating capacity and ammeter capable of recording continuous draw of 100 amperes. Circuit breaker system only. System shall have service access panels for all electrical components on driver's side of bus. System shall have solenoid switch so all electrical circuits are wired through ignition.
Emergency Exits:	Rear emergency door and four (4) emergency side exit windows or more as required by law. All emergency exits must have alarm buzzers. Red light over rear door required. Red light shall be connected to headlight switch so red light is on anytime headlights are on.
Emergency Equipment:	As required by state and federal regulations including one (1) 5 lb. dry chemical fire extinguisher with a minimum rating of 10-BC17, one (1) 36 unit first aid kit, one (1) body fluid cleanup kit and one (1) triangle reflector kit. Equipment to be mounted or stored in overhead compartment in the front of bus. Compartment must be clearly marked indicating emergency equipment is stored in compartment.
Engine Fan:	Engine fan clutch
Engine Hood:	Tilt forward design only
Exhaust System:	Exhaust pipe, muffler, and tailpipe shall be outside the bus body and attached to the chassis. Tailpipe shall be constructed of seamless or electrically welded tubing of 16 gauge steel or equivalent. System shall be properly insulated from fuel tank and connections by a metal shield at any point where the exhaust system is within 12 inches of the fuel tank or connections. Muffler shall be constructed of corrosion resistant material. Tailpipe shall end to left side just ahead of rear dual wheels.
Flooring and Floor Covering:	Plywood floor, marine grade, 5/8" thk. over steel flooring. Floor covering in aisle will be ribbed rubber, minimum of 0.140 thick, with smooth rubber in other areas. Driver's area floor covering must be a minimum of 0.125 thk. heavy duty. Color to be selected from standard choices available.

Fuel Tank: 90 gallon or greater capacity, and conform to Sec. 393.67 of the Motor Carrier Safety Regulations to include protective cage. Coolant in-line fuel heater required (no substitution). Heated fuel/water filter with replaceable element shall be installed between fuel tank and injector pump. A fuel inspection plate shall be installed in the floor of bus where required. Lockable fuel tank door required.

Head Lamps: Sealed beam of proper intensity with fuses or circuit breakers. Switch adequate to carry the load of clearance and identification lamps in addition to the head and tail lamps since all of these are activated by one switch. Manually operated foot switch or steering column hand controlled switch for high-low beam.

Header Pad: Header pad over entrance and rear emergency door.

Heaters: Minimum heater requirements are as follows:

- 90,000 BTU front heater
- 50,000 BTU driver's heater
- Two (2) 80,000 BTU under seat heaters (one front, one rear) with cutoff valve for heaters located near bus drivers seat.

Heaters shall have washable, reusable filters. Heater water pump is required. All heaters shall have two speed capabilities. Snorkel for defrosting driver's side window and entrance door shall be included.

Horn: Dual horns with frequency of 250-2000 cycles per second, and 120 decibels at three (3) feet with backup alarm required.

Insulation: Insulation noise reduction package (maximum of 4.5 decibel), full length of bus. Additional insulation/sound reduction panels over engine and around driver area. Minimum 2" fiberglass insulation on all sides, floor and roof of bus.

Instruments: Mounted on instrument panel as follows:

- Speedometer
- Odometer
- Engine hour meter
- Ammeter: Graduated charge and discharge compatible generating capacities
- and capable of handling continuous draw of 100 amperes
- Voltmeter with graduated gauge
- Oil pressure gauge
- Water temperature gauge
- Fuel gauge
- High beam head lamp indicator
- Tachometer
- Air gauges for brake system with warning light and alarm as required

- mounted in dash
- Transmission temperature gauge mounted in dash

LIGHTS IN LIEU OF GAUGES NOT ACCEPTABLE

- Lettering:** All lettering front and rear of bus shall be per mandated standards. School name on both sides of bus along belt line of bus. Bus numbering shall be in next to the main entrance door, on the driver's side near the battery access door, on the rear of the bus below one of the license plate areas, and on the front of the bus.
- Lights:** All exterior lights as required by state and federal regulations. Overhead yellow and red flashing lights shall be LED design and must have hood over top and sides of lights with black border.
- Manuals:** Parts & service manuals for bus body, bus chassis, engine, and transmission required.
- Mirrors:** Two 6 ½" x 10" flat and two 6 ½" x 10" convex or larger as required by state and Federal regulations exterior side rear view mirrors required. Side rear view mirrors shall be self-defrosting and remote electrically operated. Interior mirror shall be 6" x 30" or larger as required by regulations. Interior mirror will be constructed with safety glass.
- Mud Flaps:** Required, front & rear.
- Oil Filter:** Replaceable element or cartridge type. Minimum capacity of one (1) quart.
- Passenger Seats:** Three point lap shoulder belts on all seats per state regulations with padded barriers and CR-11 integrated child seat, with two (2) inserts per seat, that meet or exceed all Federal Motor Vehicle Safety Standards (FMVSS) and Federal National Head Start student harness restraint requirements. When not needed, school bus seat will have capability of enclosing harness restraint system so that harness is not visible. Track type seat tie down system for easy movement or removal of all passenger seats required. 27 1/2 "minimum seat spacing. Seat color to be selected from standard colors available from manufacturer. Please indicate weight of seat cover per ounce (42 oz. minimum). _____

Passenger seat layout specifications shall be as follows:

- Drivers Side
 - Track type seat tie down system full length of bus, driver's side only.
 - 30" wide seats with front tie down locations for two (2) wheelchairs.
 - Seats only for area behind two (2) wheelchair locations to rear of bus.
- Entrance Door Side
 - 39" wide seats from full length of bus from behind wheelchair entrance to rear of bus.

- Standard fastening to floor (NO track tie down system)

Power & Grade Ability:	Chassis must be so geared as to be capable of surmounting 3.7 percent grade at speed of 30 MPH when fully loaded.
Radio:	AM/FM radio with eight (8) ceiling flush mounted speakers, wired. Radio & antenna should be capable of receiving FM stations from a distance of 50 miles. Interior public address system shall be included with radio.
Reflective Tape:	Reflective vinyl "School Bus" 8" on roof cap front and rear. 2" wide strip on each side of bus. 1 3/4" wide strip on rear of bus. 1" wide strip surrounding each emergency exit.
Roof Hatches:	Two Safe Fleet model 9245 low profile safety emergency access roof hatches shall be installed as required.
Rub Rails:	Four (4) applied rub rails, black in color, below side windows, seat level wrapped to rear door, floor level, and at the bottom of skirt (snow rail).
Service Access:	Service access panels shall provide access to engine, wiper motors, radiator, and all electrical components on driver's side of bus. Vehicle shall include sender inspection plate to allow inspection & replacement of sending unit.
Service Manual:	Provide complete parts & service manuals for bus body, bus chassis, engine, and transmission for each vehicle purchased.
Shock Absorbers:	Front and rear double-acting piston type compatible with rated axle capacity.
Shoulder Rails:	All shoulder rails must be padded.
Steering Gear:	Heavy-duty, truck type power steering with tilt and telescoping wheel.
Stop Arm:	Electric operated SMI Defender series electric operated stop arm, octagon, with alternately flashing strobe lights and wind guard. Automatic operating when entrance door opens. One to be mounted in the front and one at the rear of the bus.
Stop/Tail Lights:	Four LED design required, two 7" stop/tail lamps, with two 4" stop/tail license lamps.
Strobe Light:	Low profile strobe light, with pilot light on switch, mounted on center of roof between rear emergency hatch and back end of bus roof. 200 candelas minimum.
Sun Visor:	Plexiglas sun visor for driver as required, tinted.
Tires & Rims:	2 - 11R22-5 - HD 16 ply radial Unisteel Goodyear G661 HSA, or equivalent, tubeless type front

4 - 11R22-5 - 14 ply radial Unisteel Goodyear G622 RSD, or equivalent, tubeless type rear
Bud rim with hub piloted only! Tire Manufacturer _____

- Throttle:** Electronic throttle with cruise control.
- Tow Hooks:** Two (2) tow hooks fastened to the frame, both front and rear.
- Turn Signals:** Two front and rear as required with intermediate turn signal on both sides.
- Vandal Locks:** Required for all doors (entrance, emergency & fuel).
- Ventilator:** Static vent in front roof.
- Voltage Regulator:** Repairable type, full transistor except for the field relay, which may be either solid state or controlled contact unit.
- Weather Front:** Vinyl or canvas snap-on adjustable weather front for radiator and grille.
- Wheelbase:** 231 inches (minimum).
- Wheelchair Lift:** Braun Millennium-2 Series lift. Lift and entrance door to meet all Federal and State requirements for handicap entrance and lift.
- Wheelchair Tie Down:** Adjustable Sure-Loc (or equivalent) retractor wheel chair securement system, aluminum construction, properly sized and installed as per State and Federal requirements for four (4) wheelchair locations. Installation of shoulder and lap restraints for above four (4) wheelchairs locations that meet all State of Iowa and Federal school bus standards is required.
- Wheel Housing:** Molded rubber covered one piece 16 gauge material with rubber fender extensions on each wheelhouse.
- Windows:** Split sash side windows. Thermo-pane on driver's side window. All side and rear windows to be dark tinted as allowed by law. Backup glass in emergency door with wire shield.
- Windshield:** Two piece curved wraparound shaded windshield preferred.
- Windshield Wipers:** Wet-arm wipers parallelogram type - winter blades. Bottom mounted preferred. Individual on/off switch required for each wiper blade. Intermittent wipers required.

District will not have a trade in.

**Cedar Falls Community School District
Cedar Falls, Iowa 50613**

CONVENTIONAL SCHOOL BUS BID WITH WHEELCHAIR LIFT PROPOSAL FORM

Proposal of _____ (Bidder) doing business
at _____, to the Board of Education, Cedar Falls Community School
District, Cedar Falls, Iowa (District).

The bidder, in compliance with bidding instructions and specifications, together with any
Addendum(s), submits the following bid for the purchase of one (1) front engine conventional school bus
with wheelchair lift, to be constructed, painted, and delivered to the District by August 1, 2020. Exact
bidder's specifications and information must be attached to this document.

Net bus bid cost, delivered to Cedar Falls, Iowa _____

Additional cost for extended engine warranty of
10 years/200,000 miles, all parts and labor with
zero deductible warranty _____

Additional cost for front axle air ride suspension _____

Additional cost for rear backup camera system, installed _____

Additional cost for propane engine in lieu of diesel engine _____

____ Model ____ Cu. In. ____ Cyl. ____ Rated HP at ____ RPM ____ Torque at ____ RPM

Date

Authorized By

Address

Title

Telephone

Signature