

# Farmington Central CUSD #265

## (2) 14 PASSENGER GAS TYPE "A" BUS MFSAB SPECIFICATIONS

### GENERAL REQUIREMENTS

1. Bids will be accepted for complete units only. These complete units must be submitted by a Dealer who is authorized to do business in the State of Illinois. Complete units will be those submitted by authorized body company distributors.
2. Body company distributors will maintain at all times a complete service facility including, but not limited to: repair or replacement parts inventory, factory trained service personal, 800 phone numbers for toll free calls, facilities in the State of Illinois to perform complete body warranty and/or repair services. Bids from distributors that do not have these basic operations will not be accepted. Please list your 800-phone number: \_\_\_\_\_.
3. Bids will include delivery of the completed units to Farmington Central CUSD #265, in Farmington, Illinois and be completely serviced before delivery. This service will include: complete chassis and complete body inspection by body distributor. Units will be full of all fluids, completely cleaned inside and outside, all optional equipment installed and working properly. Units that have not been serviced or delivered directly from the factory will not be accepted. Written inspection forms must be provided if requested.
4. The equipment proposed must meet or exceed all requirements set forth in the Illinois Minimum Standards for School Buses and Federal Motor Vehicle Safety Standards established by the Federal Department of Transportation. Complete certification must be available if requested.
5. All exceptions to the specifications outlined herein must be noted and thoroughly explained in the bid proposal. The bidder must provide, with any exceptions, detailed specifications so the Board of Education can make the necessary comparisons to enable a proper decision. Failure to do so may result in rejection of your bid for non-compliance. These specifications must be returned with the bid proposal.
6. **The Board of Education reserves the right to reject any or all bids, to waive any and all technicalities and to award the contract to the best bidder.**

Name of Dealer \_\_\_\_\_

Signed \_\_\_\_\_ Title \_\_\_\_\_

Address \_\_\_\_\_

City, State and Zip \_\_\_\_\_

# Farmington Central CUSD #265

## CHASSIS SPECIFICATIONS

“Yes” or “To Spec”

1. General Description

- a) New 2024 Model MICROBIRD MFSAB
- b) GM/Chevrolet 159" wheelbase chassis.
- c) Dual rear Wheels.

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2. Engine and Related Equipment

- a) 6.6 Liter gas-powered GM engine.
- b) Heavy-duty dry element air filter.
- c) Heavy-duty cooling system with fan clutch.
- d) Single horizontal exhaust system with aluminized muffler and heat shields.

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3. Transmission

- a) Six (6) speed automatic with overdrive.

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4. Axles and Suspension

- a) 12,300 lb. GVWR Dual Rear Wheels
- b) Front and rear dual-action heavy-duty shock absorbers.
- c) Power steering, integral type.

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5. Electrical Equipment

- a) Alternator, 220 amp.
- b) (2) Heavy-duty maintenance-free battery, 770 CCA each
- c) Heavy duty battery box mounted left side
- d) Chassis FACTORY Cruise Control and Tilt Wheel
- e) Dual note electric horn.
- f) Dash mount combination air conditioner / heater / defroster.
- g) AM/FM/MP3 stereo radio with four (4) roof mounted speakers

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6. Instrumentation

- a) Complete instrumentation including voltmeter, oil pressure, and coolant temperature gauge.

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7. Brakes

- a) Hydraulic type split system with front and rear anti-lock disc.
- b) Parking brake cable to rear wheels.

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8. Fuel Tank

- a) 32-gallon capacity with heat shields.

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## Farmington Central CUSD #265

### 9. Wheels and Tires

- a) Disc wheels 16" x 6".
- b) LT225/75R16-E all-season radial tires.
- c) Complete Alignment following build to include certificate

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### **BODY SPECIFICATIONS**

**“Yes” or “To Spec”**

#### 1. General Description

- a) New 2024 MICROBIRD MFSAB
- b) Seating capacity 14 passengers fully seated.
- c) Overall Length 289"
- d) Overall Height 118"
- e) Interior Width 93"
- f) Exterior Width 96"
- g) Minimum interior headroom at aisle in center of body 76" above floor covering. List headroom in the second body section:

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#### 2. Body Construction

- a) Reinforced side impact barriers shall be incorporated into body design to enhance passenger protection in the event of a side impact. The side impact protection barrier shall be made of galvanized steel and shall be riveted to sub-floor and extend to the seat cushion. A 3/16" thick L-shaped steel reinforcement shall be integrated into the seat rail and run the full length of the body.
- b) The front and rear end structures shall be made of steel square tubing protected against corrosion. Front and rear structures shall be mechanically affixed to sub-floor and roof bows.
- c) Butyl or soprema membrane shall be used as a barrier wherever dissimilar metals are in contact with each other in order to prevent galvanic reaction.
- d) Exterior side panels shall be made with 18 gauge pre-primed 5052 aluminum alloy for superior corrosion protection and paint adhesion.
- e) Upper side panels located immediately above side windows shall incorporate a drip rail that will run the full length of the body.
- f) Lower side panels shall extend below center line of rear axle for pedestrian safety.
- g) Rear cap shall be a (1) piece fiberglass reinforced composite panel with waterproof recessed locations for lights.
- h) Front cap shall be (2) pieces fiberglass reinforced composite panel with waterproof recessed locations for lights.
- i) Front more view window frame manufactured of (1) piece formed fiberglass. No Exceptions
- j) Body construction will conform to FMVSS220 and FMVSS221 for joint strength and rollover protection **including floor joints.**
- k) Body safety cage structure shall be mechanically fastened with avdel corrosion resistant, structural fasteners and rivets only.
- l) Roof bows shall be one piece, floor to floor, hat section type and

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## Farmington Central CUSD #265

shall be made of 16 gauge galvanized steel. Two, 18 gauge roll formed structural linear beams and four longitudinal aluminum structural beams shall extend the full length of the body and be mechanically attached to each roof bow.

- m) Exterior paint will be electrostatically applied, heat-cured polyurethane with ultraviolet resistance in WHITE.

### **NO EXCEPTIONS.**

- n) Interior paint will be hot sprayed and will consist of baked enamel Astro White with Black trim.
- o) Aluminized inner side panels from window level to seat cushion.
- p) Complete undercoating will be applied to complete floor, wheelhouses, and skirts **before** body is mounted on chassis. Undercoating **will not** be applied to any part of the chassis including frame rails, fuel lines, electrical components, brake lines, etc. **NO EXCEPTIONS.**
- q) One (1) roof hatch.
- r) Plastic molded rear fenders
- s) Rear Mudflaps

### 3. Rear Bumper

Bumper shall be 3/16" pressed steel channel, 10" high, and flanged 2" at top and bottom. The bumper shall wrap around the back corners of the bus and shall extend 12" forward measured from the rearmost point of the body at the floor line. The ends of the rear bumper shall be flush-mounted to the body sides and protected.

### 4. Doors

- a) All body doors shall be weather sealed with bulb type trim of EPDM rubber and ABS trim panels installed over door openings.
- b) Electrically-operated entrance door will be outward opening type - **32" Wide Opening** with (1) piece glass panels in each leaf for unobstructed view. **No Exceptions**
- c) Aluminum Step under driver's door with holes to prevent ice/snow build up.
- d) Rear center emergency door will conform to FMVSS217 for emergency exits with a door retainer.
- e) Rear vandal lock with ignition interlock.
- f) Entrance handles both sides of stepwell.

### 5. Windshield and Windows

- a) (1) Push-out window on each side.
- b) Standard van chassis windshield, two-speed, bottom-mounted Intermittent, electric windshield wipers with washers.

## Farmington Central CUSD #265

- c) Split-sash side tinted windows 26% light transmission with tempered glass and extruded black aluminum frames. \_\_\_\_\_
- d) Upper glass and lower glass in rear emergency door to be tinted, and rear vision glass to be tinted 26% light transmission. \_\_\_\_\_
- 6. Seats and Upholstery
  - a) Seating capacity will be 14. \_\_\_\_\_
  - b) Left Side Coach Style Activity seats with belts. **No Exceptions** \_\_\_\_\_
  - c) Right Side Coach Style Activity seats with belts. **No Exceptions** \_\_\_\_\_
  - d) Modesty panel between floor and bottom of barrier on BOTH sides. \_\_\_\_\_
  - e) Driver's seat will be vinyl high-back van type with shoulder restraint. \_\_\_\_\_
  - f) Driver's seat aisle side armrest. \_\_\_\_\_
  - g) Shoulder harness with wall-mounted retractor for driver's seat. \_\_\_\_\_
  - h) Seats will be covered with **gray leather** upholstery. \_\_\_\_\_
  - i) Fire Block upholstered header pads above entrance and emergency doors. \_\_\_\_\_
- 7. Floor Covering
  - a) Fuel Sender Inspection Plate. \_\_\_\_\_
  - b) Black rubber in driver's area. \_\_\_\_\_
  - c) Molded rubber rear wheelhouse covers. \_\_\_\_\_
  - d) Heavy-duty black rubber covering in aisle and on entrance steps. \_\_\_\_\_
  - e) Heavy-duty white nosing on entrance door steps. \_\_\_\_\_
  - f) 5/8" plywood floor over passenger area – screwed down. \_\_\_\_\_
- 8. HVAC
  - a) Standard van chassis heater and defroster system. \_\_\_\_\_
  - b) 42,000 BTU rear heater with one (1) two-speed blower. \_\_\_\_\_
  - c) Rear Mounted Body A/C with 55,000 BTU total. \_\_\_\_\_
  - d) Heater water cut-off valves. \_\_\_\_\_
  - e) Flexible steel tubing or sheet metal covering all interior heater hoses. \_\_\_\_\_
- 9. Electrical Equipment
  - a) Radio AM/FM/MP3. \_\_\_\_\_
  - b) Child Check System Factory installed. \_\_\_\_\_
  - c) Backing Horn. \_\_\_\_\_
  - d) All body circuit protectors will be protected with circuit breakers \_\_\_\_\_
  - e) All body wiring will be color **and** number coded - **NO EXCEPTIONS.** \_\_\_\_\_
  - f) All switches for electrical equipment will be back-lit rocker type with replaceable international symbol covers. \_\_\_\_\_
  - g) Two (2) 4" LED combination stop and tail lights. \_\_\_\_\_
  - h) Two (2) LED back-up lights. \_\_\_\_\_
  - i) 7" LED turn signals with amber lenses flush mounted in rear. \_\_\_\_\_
  - j) Contoured crossing control arm with cancel switch. \_\_\_\_\_
  - k) Armored LED side turn indicators will be mounted behind entrance door and in corresponding location on left-hand side. \_\_\_\_\_

## Farmington Central CUSD #265

- l) LED flush mount marker and clearance lights as per Federal and State requirements. \_\_\_\_\_
- m) LED stepwell light wired for operation with entrance door control. \_\_\_\_\_
- n) Interior dome lights, dual row in passenger compartment. \_\_\_\_\_
- o) White flashing strobe light. \_\_\_\_\_
- p) Body switches to be integrated into dash console and out of driver's line of sight. \_\_\_\_\_
- q) List location of switch panel \_\_\_\_\_

### 10. Mirrors

- a) Dual-head 7" x 10" **self-defrost** Rosco Avia type exterior rear view mirrors. \_\_\_\_\_
- b) Mini-Hawkeye cross-view **self-defrost** mirrors mounted on both fenders. \_\_\_\_\_
- c) 6" x 16" interior rear view mirror with standard sun visor. \_\_\_\_\_

### 11. Miscellaneous Requirements

- a) 5-pound fire extinguisher with hose. \_\_\_\_\_
- b) First aid kit mounted and Body fluid kit on front header panel. \_\_\_\_\_
- c) Emergency triangular warning device kit mounted on front floor. \_\_\_\_\_
- d) Rear Corner right side luggage compartment tubular installed \_\_\_\_\_
- e) Certificate/Document Holder \_\_\_\_\_
- f) Original Inspection sticker included. \_\_\_\_\_
- g) License Included. \_\_\_\_\_
- h) Lettering belt line Farmington CUSD #265 \_\_\_\_\_
- i) To Comment decal included. \_\_\_\_\_
- j) Seat belt cutter included. \_\_\_\_\_
- k) Full 3-year body warranty parts and labor. \_\_\_\_\_
- l) FOB Farmington, IL \_\_\_\_\_

## Farmington Central CUSD #265

### PRICING WORKSHEET – (2) NEW MICROBIRD MFSAB

The following pricing must include **IL inspection, preparation, title fee, license fee, and delivery fee.**  
Please include body floor plan.

List Year of Vehicle Chassis and Body: \_\_\_\_\_

Make and Model of Vehicle: \_\_\_\_\_

Price of EACH Vehicle \$ \_\_\_\_\_

Estimated Delivery Date \_\_\_\_\_

#### \*VENDOR INFORMATION\*

Name of Representative: \_\_\_\_\_

Name of Firm Represented: \_\_\_\_\_

Signature of Authorized Agent: \_\_\_\_\_