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January 21, 2018

**ATTENTION ALL BIDDERS:**

**It is the responsibility of the bidder to email Richard Rushing at [Richard@fortsmithairport.com](mailto:Richard@fortsmithairport.com) to be added to the bidders list in the event an addendum is made.**

Please note the following in regards for the Airport Sweeper Truck bid:

- Bid opening date is on February 21, 2018 at 2:00 p.m. at Fort Smith Regional Airport, Suite 200.
- Do not add any sales tax to this bid. Section GR-34(c) of the Arkansas Sales & Use Tax Regulations exempts the Fort Smith Regional Airport from paying taxes [see also Arkansas Code 26-52-410(a)].
- Should you wish to submit your bid by express mail, our physical address is:  
Fort Smith Regional Airport  
6700 McKennon Boulevard, Suite 200  
Fort Smith, AR 72903
- The following information must be on the **sealed** envelope:  
**Vendor name & Address**  
**Title of bid – “Airport Sweeper Truck”**
- You must include a business card of the individual filling out the bid or is an approved representative of the company

Thank you for your cooperation in this matter.

Richard Rushing  
(479)452-7000 ext 18  
[richard@fortsmithairport.com](mailto:richard@fortsmithairport.com)

## **Minimum Specifications Airport Sweeper Truck**

These specifications are intended to cover all requirements for the purchase of a sweeper. Bid shall be given as **one lump sum**. All equipment furnished shall be new without repair, including all the interior and exterior trim and appointments listed by the manufacturer as standard equipment and must meet all equipment requirements by State and Federal safety and emission regulations. **Used or Demo models will not be accepted.**

### **NOTE:**

A copy of the bidder's specifications for this Sweeper shall be submitted with the bid. The successful bidder shall have a parts and service facility available in the Fort Smith area.

Unit shall be safety inspected, cleaned, lubricated, serviced and ready for immediate duty. The Fort Smith Regional Airport reserves the right to take up to five (5) working days to make acceptance inspection.

Any manufacturer's name, trade name, brand name, or model number used in these specifications are for the purpose of describing and establishing general quality levels with the exception of the aviation radio. Such references are not intended to be restrictive. Bidders proposals shall **meet or exceed** all requirements of the listed specifications.

## **TYMCO 435 Cabover or Equivalent**

### **CHASSIS/CAB:**

#### **GENERAL:**

Chassis/cab shall be a Isuzu NPR-XD low cab forward (cabover) design with a tilt forward cab or equivalent. Gross vehicle weight rating to be not less than 16000 lb. GVW. Standard truck cab enclosed and equipped with tinted safety glass all around, each door shall have roll up window, adjustable driver and stationary two-man passenger seat with safety seat belts. (Sliding windows not acceptable.) Truck shall be equipped with steel bumpers front and rear.

#### **CAB:**

Chassis shall be equipped with air conditioner, fresh air heater, defroster, two speed electric windshield wipers with electric operated washers, two rearview mirrors, two 8" diameter parabolic mirrors, dual sun visors, AM/FM stereo radio and power windows and door locks. Shall include a backup camera. Shall have a hopper load indicator.

#### **ENGINE:**

Shall be heavy duty 4-cylinder turbocharged diesel with a minimum 317 cubic inch displacement (5.19L); 215 gross HP @ 2,500 RPM; 452lbs. ft. gross torque @ 1,850 RPM; 50 state certifications.

#### **TRANSMISSION:**

Chassis shall have a 6-speed automatic transmission.

**DIMENSIONS:**

Chassis wheel base shall be 132.5”.

**MISCELLANEOUS:**

Front bumper mounted magnet.

**AIR SWEEPER SECTION:**

**POWER UNIT:**

The sweeper power unit shall be a turbocharged diesel fueled, Tier-4i water cooled industrial engine. Piston displacement shall not be less than 148.5 cubic inch developing not less than 56 HP @ 2600 RPM and 121 ft /lbs. torque @ 1800 RPM. Engine shall be 4 cycle. Unit shall have an automatic shutdown system when coolant temperature is too high, coolant level is too low, or oil pressure is too low.

**HOPPER:**

Hopper size to be a minimum four (4.0) cubic yard volumetric measurement. Hopper, drain weldment, door, screen, inspection door, skimmer hood and suction inlet tube shall be of stainless steel construction. In addition, blower housing and dust separator shall be of stainless steel construction. Dumping shall be accomplished by means of hydraulically actuated piggyback cylinders causing hopper to tilt up expelling the load behind the rear wheels with **external and in-cab control**. Dump cylinders shall not protrude below sweeper frame. Dump angle shall be a minimum of 90 degrees. Hopper shall have a water deluge system. Shall have a 6-inch diameter 10-foot length auxiliary suction hose.

**BLOWER:**

Heavy duty, wear resistant, high strength cast aluminum alloy turbine type open face blower computer balanced within 4 grams shall be provided to create air pressure and suction. Blower wheel shall be covered with wear-resistant rubber for long life.

**PICK-UP HEAD:**

A spring balanced all steel fabricated pick-up head with maximum length and width of 78" x 30" I.D. shall be provided. The pick-up head shall have a separate upper and lower chamber where pressurized air is blasted from upper chamber through an elongated blast orifice to street surface.

**GUTTER BROOM:**

Shall have gutter brooms on left and right side of chassis. Gutter broom shall be 36-inch diameter (minimum), **Poly** vertical digger type for removing debris from gutter area.

**SAFETY LIGHTS:**

Yellow LED light bar must be mounted on the uppermost part of the vehicle structure. Alternating flashing rear mounted LEDs are also required.

**MISCELLANEOUS:**

Unit shall be equipped with an air purge for the water dust control system.

## **Additional Requirements**

### **PAINT COLOR:**

Per Federal Aviation Administration Advisory Circular 150/5210-5D, the sweeper must be “chrome yellow”. For color specifications, refer to Appendix A of the Advisory Circular. If the vehicle is equipped with bumper bars 8 inches (200 mm) or more in depth, the bars must be painted in alternate stripes 4 inches (100 mm) in width of chrome yellow and black inclined 45° to the vertical.

### **REFLECTIVE TAPE:**

To further improve night-time recognition of vehicles, a minimum 8 inch (200 mm) wide white reflective tape (Retroreflective, ASTM-D 4956-09, *Standard Specification for Retroreflective Sheeting for Traffic Control*, Type III & above) must be used around the vehicle's surface. Appendix 2 shows three different suggested locations for the horizontal reflective band.

### **AVIATION RADIO:**

ICOM VHF Air Band Transceiver IC-A120 with ICOM SP-35 5 watt extension speaker. Aviation band vehicle antenna (range includes 118.3-121.9). Short Style

**Bidder shall supply this specific aviation radio and antenna used by the Airport, but Airport will install radio.**

### **PARTS AND SERVICE:**

Bid shall include physical address for parts and service that may be needed for the Sweeper.

### **MANUALS:**

Bid shall include the following: Parts, Service, and Operator Manuals.

### **WARRANTY:**

One year or 2000 hours.

### **OPTIONAL OR EXTENDED WARRANTY:**

Additional costs of extended or optional warranty shall be listed separately from the bid.

### **TRAINING:**

The successful bidder shall provide a training session on sweeper operation, maintenance, and safety. The training shall include a “hands on” session for Airport Maintenance Personnel.

### **OMISSIONS:**

It is the intent of these specifications to acquire complete purchase of the proposed vehicle. Any items that have been omitted from the specification, which are clearly necessary for the complete purchase shall be included, although not directly specified or called for in the bid specifications

**The Fort Smith Regional Airport reserves the right to waive any formalities and the right to reject any or all bids.**