

Addendum #1
Request for Proposals for One
Airport Rotary Snow Plow with Carrier Vehicle
Fort Wayne International Airport
Fort Wayne-Allen County Airport Authority

Addendum Issue Date: August 10, 2017

The following addendum items modify, change, delete from or add to, the requirements of the contract documents for this project. The items in the addendum take precedence over the requirements of the previously published contract documents.

The supplemental technical specifications are modified as follows:

4.3.2 Input Auger: The auger shall have a minimum of two bearing supports. The ribbon shall be driven hydraulically. The ribbon blades shall be easily replaceable and made of high tensile steel. They shall be bolted or otherwise attached to the auger shaft and balanced to reduce vibration using best engineering practices.

4.8 Engine. The sentence "A written letter of approval must be submitted with the bid" is removed from this specification.

See supplemental technical specifications replacement pages.

Exhibit A, General Requirement are modified as follows:

Delivery of the unit and all components in a turn-key condition must occur within 300 days of notification of award of the bid.

See Exhibit A, General Requirement replacement page.

The following questions have received in response to our Request for Proposals. Where responding to a question, the question received is printed in black with the response from the Authority printed in red.

Question #1:

4.3.2: Reads: ... "The ribbon shall be driven hydraulically or mechanically." This allows a level playing field and all manufacturers can bid their standard. Either is allowed by the FAA.

However, 4.3.5: Reads... "the operation of turbines (ribbons) shall be by hydraulic means with the speed controlled by a single operator in the vehicle cab. Power shall be transmitted to these systems via mechanisms located on either side of the rotary head box."

Question #2

Please eliminate 4.3.5. Manufacturers who chose to drive the ribbons hydraulically will drive it from the ends (standard) and the manufacturers who chose to drive the ribbons (turbines) mechanically will drive it from the center. (standard)

Question #3

4.3.8: Please add to the text the following: ...while the ribbon shall be in the form of either hydrostatic relief and/or shear fasteners.

Answer #1, 2, and 3:

The requirement has been changed to hydraulically driven as noted above.

Question #4:

4.18.1, b: Please allow for the walk-way to be either external or internal. Some manufacturers extend the engine enclosure all the way to the outside of the tires and the walk-way is enclosed.

Answer #4: This requirement will not be changed.

Question #5:

On page 38: 4.15.4 Starting Device: Requires a 12 volt electrical and starting.

The large 770 HP Auxiliary Engine powering the blower head needs a 24 volt system because of it's size. Please allow 24 volt electrical and starting. All wheel loaders, dozers, airport fire fighting equipment, sweepers are 24 volt.

Answer #5:

This requirement will not be changed.

Question #6:

Request for Change: Delivery of this unit and all components in a turn-key condition must occur within 300 days of notification of award of the bid.

Answer #6

The requirement has been changed as noted above.

Question #7

Requested for Change: Engine and vehicle manufacturer shall provide an application approval, at the time of vehicle delivery that states the engine is suitable for use in the vehicle as configured and that the installation is approved by the engine manufacturer or their authorized representative.

Answer #7

The requirement has been changed as noted above.

4.3.2 Input Auger:

<i>REQUIREMENT</i>	<i>MEETS SPECIFICATION (check if specification is met)</i>	
	Yes	No
The auger shall have a minimum of two bearing supports. The ribbon shall be driven hydraulically. The ribbon blades shall be easily replaceable and made of high tensile steel. They shall be bolted or otherwise attached to the auger shaft and balanced to reduce vibration using best engineering practices.		

4.3.3 Input Auger (Solid):

<i>REQUIREMENT</i>	<i>MEETS SPECIFICATION (check if specification is met)</i>	
	Yes	No
The auger shall have multiple cutter blades mounted on the auger drive shaft. Input auger shall be designed to feed snow to the discharge impeller to be cast away from the vehicle. The solid auger drive shaft shall be balanced and supported by bearings, one at each end of the auger shaft.		

4.3.4 Discharge Impeller System:

<i>REQUIREMENT</i>	<i>MEETS SPECIFICATION (check if specification is met)</i>	
	Yes	No
The impeller capacity shall be at least equal to the capacity of the input auger. The impeller blades shall be made of high tensile steel using best engineering practices and be balanced to reduce vibration and shock damage.		

areas and maneuverability expected of the vehicle during operation		
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4.7.3 Weight Distribution:

<i>REQUIREMENT</i>	<i>MEETS SPECIFICATION (check if specification is met)</i>	
	<i>Yes</i>	<i>No</i>
The gross vehicle weight of the vehicle shall be distributed over its axles in accordance with best engineering practices. The center of gravity shall be kept as low as possible under maximum load conditions. While it is loaded the vehicle shall be capable of resting on a 20% transverse grade without danger of overturning. A copy of the calculated weight distribution shall be provided to the customer prior to construction, and the produced vehicle shall not deviate from the calculated weight distribution by more than 5% on any axle, or for the gross weight as determined by weighing the unit at a public certified scale.		

4.8 Engine:

<i>REQUIREMENT</i>	<i>MEETS SPECIFICATION (check if specification is met)</i>	
	<i>Yes</i>	<i>No</i>
Engine and vehicle manufacturers shall provide an application approval, at the time of vehicle delivery that states the engine is suitable for use in the vehicle as configured and that the installation is approved by the engine manufacturer or their authorized representative. The vehicle engine shall be of diesel internal combustion type. The diesel engine shall be designed and tuned for operation using ASTM D 2 diesel fuel. Anti-freeze, crankcase and gear oils, greases, automatic transmission fluid,		

Exhibit A

General Requirements	Compliance	
	Yes	No
Unit shall be manufactured in the United States in accordance with IC 5-22-15-21		
All repair and/or replacement parts comprising components of this unit must be available from the manufacturer for a minimum of ten (10) years after purchase.		
Delivery of this unit and all components in a turn-key condition must occur within 300 days of notification of award of the bid.		
The manufacturer shall be responsible for conducting tests to ensure that its airport snow removal vehicle meets the operational and performance requirements it advertises. Certified records of these compliance tests shall be submitted by the manufacturer with each proposal. These tests shall be in accordance with FAA Advisory Circular 150/5220-20 Chapter 8 Operational Standards and Compliance Testing.		
The Proposer agrees to the General Terms and Conditions contained in Exhibit D		

Addendum 1