



REQUEST FOR BIDS
Rooftop Air Exchanger Refurbishments
DULUTH TRANSIT AUTHORITY

Addendum #2

October 11, 2019

A. Please note: The Bid Due Date for responses to the Rooftop Air Exchanger Refurbishments HAS BEEN CHANGED to:

2:00 p.m. on Thursday, November 7, 2019.

B. Responses to questions to date:

1. There are three (3) doghouses on the roof that enclose the air exchange units. Two are on the bus storage area; an east doghouse closest to 24th Avenue West, and a west doghouse closer to the change in elevation of the roof of the maintenance area. The third doghouse over the maintenance area, is smaller and moves a smaller volume of air.
2. All three doghouses are to be replaced due to rust at the bottom of the exterior housing. New doghouses are to be constructed of 16 gauge unpainted galvanized sheet metal. Lifting holes in the sheet metal are NOT required.
3. Bus storage doghouses have metal exhaust hoods. Hoods must include a metal screen on all openings to prevent birds from entering the enclosure.
4. Access doors should use heavy duty galvanized hinges and simple latches that secures both the top and bottom of the door.
5. The roof of each doghouse should be constructed of 16 gauge, unpainted galvanized sheet metal, installed on a slant to permit snow and debris to slide off.
6. Attachments to the roof structure must match the existing perimeter of the doghouse, but the doghouse can be taller to accommodate new securements.
7. Dampers and pneumatic controls for the dampers in the doghouses are to be re-used. Heat wheels will also remain, but should be cleaned.
8. The DTA is not requiring the system to be re-balanced. This can be accomplished with the control software. Please REMOVE all references to balancing in the Bid document.
9. All interior parts and components that are retained must be cleaned and made ready for restarting the system, including fans, heat wheels, valves, etc.

C. Clarification, Motors

1. Heat wheel motors are direct drive.
2. Each doghouse has a heated supply side motor and a return air motor. The return motors for the east and west side of the bus storage area are new and **will not be replaced. Please remove these motors from the specifications.** The new motors are Baldor 40-horsepower, variable drive frequency motors. TEFC motors are approved equals.

3. The maintenance air exchange system has a heated supply motor and a return motor, each are 25-horsepower variable drive frequency motors. Both of these motors must be replaced.
4. Return air motors will be retained by the DTA for use as spares.
5. Gear reduction motors for the heat wheels are NOT being replaced. They should be cleaned and readied for restarting the system.

D. Filters

1. The inventory of filters is currently as follows:

	<u>19 1/2" by 19 1/2"</u>	<u>24 1/2" by 19 1/2"</u>	<u>15 1/2" by 19 1/2"</u>
East Interior	16	24	8
	<u>19 1/2" by 19 1/2"</u>	<u>23 1/2" by 23 1/2"</u>	<u>19 1/2" by 15 1/2"</u>
East Exterior	8	4	2
	<u>19 1/2" by 19 1/2"</u>	<u>24 1/2" by 19 1/2"</u>	<u>15 1/2" by 19 1/2"</u>
West Interior	16	24	8
	<u>19 1/2" by 19 1/2"</u>	<u>23 1/2" by 23 1/2"</u>	<u>19 1/2" by 15 1/2"</u>
West Exterior	8	4	2
Maintenance Air Exchanger			
	<u>19 1/2" by 24 1/2"</u>	<u>15 1/2" by 24 1/2"</u>	
Interior	20	4	
Exterior	10		

2. All filters must be replaced. The DTA also requires new filter clips. Retain existing clips for use as spares.
3. Provide two (2) additional filters of each size for use as spares.

E. The deadline to submit questions has been extended to Tuesday, October 22, 2019. Responses to questions will be posted on the DTA website at www.duluthtransit.com on Wednesday, October 23, 2019.