



REQUEST FOR BIDS
Rooftop Air Exchanger Refurbishments
DULUTH TRANSIT AUTHORITY

Addendum #3

October 24, 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. Clarification to Section 6 (B), paragraph 16: Electrical work shall include replacing the light fixture in each doghouse and repairing/replacing the electric outlet so they are in compliance with current code requirements and in good working order to facilitate cleaning and repairing the equipment in the future. The cost of this electric work should be included in the base price of the work.

2. All old motors removed and replaced in the project will be retained by the DTA for use as spares or to provide spare parts in the future. The spare motors will not be stored on the roof.

3. The project includes repacking the pillow block bearings. There are two bearings per motor, a total of 18 bearings in all. The cost for repacking the bearing should be included in the base price of the work.

4. In conjunction with repacking the pillow bearings, the DTA would like to add an access door to the rear of the each of the doghouses to enable easier access for bearing maintenance in the future. The access door must be similar to other access doors on the doghouse, and be approximately 3-feet by 4-feet in size and located near the lower part of the doghouse in the area of the bearings. A picture is attached of the desired location for reference. Please add the following specification to Section 6(B):

~~%2.~~ Contractor shall fabricate one access door in each doghouse with dimensions of approximately 3-feet by 4-feet, to permit access to the pillow bearings for ongoing maintenance. The access door shall be fastened by heavy duty galvanized hinges and fasteners similar to the fasteners on the other doghouse doors.+

5. Clarification to Technical Specifications, Section 6(B), paragraph 14: Obsolete pneumatic actuators are to be removed. Revise the paragraph as follows:

DELETE:

~~%4. Dampers shall be direct mount type sized to provide a minimum of 5 in-lb. torque per square foot of damper area, and shall be spring return type. Pneumatic actuators shall be sized to provide a minimum of 5 in-lb. torque per square foot of damper area, and shall include positive positioning pneumatic relays when sequenced with other actuators or when control action is to be proportional.+~~

INSERT:

~~%4.~~ Dampers shall be direct mount type sized to provide a minimum of 5 in-lb. torque per square foot of damper area, and shall be spring return type. Remove all obsolete

pneumatic actuators. Remaining electronic actuators shall be cleaned and provide a minimum of 5 in-lb. torque per square foot of damper area.

6. Revision to the example Contract, Section 3, Article 3, and Technical Specification, Section 6, (B), paragraph 9, and Section E, ~~%Project Completion+~~: The Project Completion date has been revised to **May 31, 2020**. Any further changes to the Project Completion Date must be approved in writing in advance by the DTA Project Manager.

7. The DTA is requesting pricing for an Alternate removing and replacing the metal doghouse surround. Please add the following to the Technical Specifications:

~~%~~Alternate 1: in lieu of removing the existing metal skin on each of the doghouses, the Contractor shall leave the existing siding in place and fur out from the siding with wooden or metal fur strips to enable new insulation to be attached to the doghouse and new, unpainted 16-gauge galvanized steel siding. All exhaust hoods, access doors and other exterior features must be extended through the insulation and new siding. Insulation must have a minimum of an R-12 value and meet all applicable Code requirements.

The roof of the doghouses shall be peaked to allow snow to slide off. Construction of the roof shall meet all applicable building code requirements, including any requirements for support trusses that may be applicable, and include any roof penetrations that are currently provided for ventilation or other applicable Code requirements. Contractor shall be solely responsible for the structural engineering of the roof and doghouse enclosure under this Alternate, and shall provide a copy of stamped drawings at the time of ~~%~~Notice to Proceed+with the Alternate.

Award of the Alternate shall be at the DTA Project Manager's sole discretion, and shall be considered at the time of Award of the project.+

8. Attached is a revised Bid Sheet incorporating this Alternate for Bidding purposes. Please REMOVE the existing Bid Sheet and INSERT the Revised Bid Sheet.

