

Facility and Support Services

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Item #10

12/11/18

December 5, 2018

To: Mahesh Sharma
County Administrator

From: Chris Still, Maintenance Coordinator
Facility and Support Services

Subj: Approval and award of bid for Administrative Center, and Courthouse HVAC controls

At the Administrative Center controls were replaced in 2001 for HVAC equipment. These controls are end of life due to them being discontinued, and no longer manufactured. As part of our facility assessments, as well as a recent energy audit these essential HVAC components were recommended to be replaced.

At the Courthouse the controls have been upgraded on 1st and 2nd floor, however the existing controls in the lower level and on 3rd floor are the same type of discontinued controls that we have at the Administrative Center, and require replacing.

HVAC controls exist to regulate the operation of heating and air conditioning systems. The control system is the "brain" of the HVAC system. It dictates the position of every damper and valve in a system. It determines which fans, pumps, and chillers run and at what speed or capacity. In addition, they are programmable to interface our equipment into our Trane energy management software. This allows maintenance staff advanced control of all of our HVAC systems, and provides us an ability to monitor the systems and respond to alarms from remote locations, and during off hours.

In 2016 we implemented a web based energy management software system when we replaced the roof and rooftop units at the Juvenile Detention Center. That product is Tracer Ensemble, which is a product of Trane Co here in Davenport, IA. This platform can only utilize Trane controllers, so we asked Trane Co for pricing to replace controls at the Administrative Center and Courthouse.

We received a not to exceed quote from Trane Co for \$319,600.00 to replace all the controls at the Administrative Center. This project is budgeted in our capital budget, and is within the budgeted amount of \$400,000.00

At the Courthouse, we received a not to exceed quote for \$202,870.00 to replace discontinued controls at this building. This project is also budgeted in our capital budget, and within the budgeted amount of \$400,000.00

We recommend that the Board of Supervisors award this bid to Trane Co in the above amounts. It is budgeted in the Capital Budget and will span fiscal years '19 and '20. I will be available at the next Committee of the Whole meeting to discuss this recommendation and to answer any questions you or the Board may have.

Cc: FSS Management Team

THE COUNTY AUDITOR'S SIGNATURE CERTIFIES
THAT THIS RESOLUTION HAS BEEN FORMALLY
APPROVED BY THE BOARD OF SUPERVISORS ON

DATE

SCOTT COUNTY AUDITOR

R E S O L U T I O N

SCOTT COUNTY BOARD OF SUPERVISORS

December 13, 2018

A RESOLUTION APPROVING THE QUOTES FROM TRANE FOR THE COURTHOUSE HVAC CONTROL PROJECT IN A NOT TO EXCEED AMOUNT OF \$202,870.00 AND FOR THE ADMINISTRATIVE CENTER IN A NOT TO EXCEED AMOUNT OF \$319,600.00.

BE IT RESOLVED BY the Scott County Board of Supervisors as follows:

- Section 1. That the quote for the Courthouse HVAC control project in the not to exceed amount of \$202,870.00 is hereby approved and awarded to Trane.
- Section 2. That the quote for the Administrative Center HVAC control project in the not to exceed amount of \$319,600.00 is hereby approved and awarded to Trane.
- Section 3. That the Director of Facility & Support Services is hereby authorized to execute contract documents on behalf of the Scott County Board of Supervisors.
- Section 4. This resolution shall take place immediately.