

## Facility & Support Services

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January 25, 2022

TO: Mahesh Sharma  
County Administrator

FROM: Tammy Speidel, FMP  
Director, FSS

RE: Distributed Antenna Systems

Mahesh

As you are aware, the SECC radio project is nearing completion. As part of the final phase Racom Corporation was required to perform signal strength testing in various buildings throughout Scott and Rock Island County to determine the quality of radio coverage within those buildings.

I asked that they specifically test the Courthouse, Jail, and Administrative Center on the downtown campus as we currently have Bi Directional Amplifiers (BDA's) to work with the outgoing system. As suspected, the buildings require a distributed antenna system (DAS) to allow for emergency public safety communications within those two buildings.

Below are the costs from Racom for these two systems:

|                       |              |
|-----------------------|--------------|
| Administrative Center | \$ 36,136.50 |
| Courthouse / Jail     | \$198,801.00 |

In addition, there will be a cost to install cabling (fiber optic and antenna wire) for the systems. We have estimated that cost at \$20,000.00 and \$60,000.00 respectively, for the two buildings. We will be working with SECC to solicit quotes from local cabling contractors for this work. SECC intends to explore economies of scale with Racom for project management and labor costs, especially since there is an additional system required at Davenport Police Department. They hope to improve on the pricing above.

After discussion with SECC, they will be recommending a 50% share cost for the Courthouse / Jail system due to the public safety aspects specific to that building.

We anticipate that the total project with cabling/ fiber installation will be as follows:

|                         |                    |
|-------------------------|--------------------|
| Administration Building | \$36,136.60        |
| Cabling                 | \$20,000.00        |
| Courthouse/ Jail        | \$99,400.50        |
| <u>Cabling</u>          | <u>\$30,000.00</u> |
| Total                   | \$185,537.10       |

This project is budgeted in the CIP plan.

This equipment has an extended lead time therefore I am requesting that the Board authorize the purchase of this equipment now with the expectation that we will bring the additional cabling costs back to the board for approval as required.

I plan to be at the next Committee of the Whole to answer questions that you or the Board may have.

CC: Dave Donovan, SECC  
Matt Hirst, IT Director  
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  
FEBRUARY 3, 2022

A RESOLUTION APPROVING THE PURCHASE OF DISTRIBUTED ANTENNA  
SYSTEMS FOR THE COURTHOUSE/JAIL AND ADMINISTRATIVE CENTER TO  
RACOM IS HEREBY APPROVED.

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

- Section 1. That the proposals from Racom totaling \$234,937.50 for Distributed Antenna Systems are hereby approved.
- Section 2. That this purchase is contingent upon approval by SECC for the 50% cost share for the Courthouse/ Jail system.
- Section 3. That the Facility and Support Service Director is authorized to sign the proposal documents.
- Section 4. This resolution shall take effect immediately.