

Legislation Text

File #: BILL NO. 20-76, **Version:** 1

An Ordinance approving Change Order #4 to the contract with Second Sight Systems, L.L.C. for the SCADA System improvements project, an increase of \$5,997.17 for a revised contract price of \$448,507.30.

(NOTE: First reading by City Council on April 14, 2020. Passed by unanimous vote.)

Issue/Request:

An Ordinance approving Change Order #4 to the contract with Second Sight Systems, L.L.C. for the SCADA System improvements project, an increase of \$5,997.17 for a revised contract price of \$448,507.30.

Key Issues:

- Network testing has demonstrated that utilizing cellular systems at Anderson, Station 6 and 5A & 5B will produce greater overall network reliability.

Proposed Council Motion:

I move for adoption of an Ordinance approving Change Order #4 to the contract with Second Sight Systems, L.L.C. for the SCADA System improvements project, an increase of \$5,997.17 for a revised contract price of \$448,507.30.

Background:

The SCADA System was originally constructed using AT&T leased POTs (Plain Old Telephone) lines for its communications backbone to all the remote water and waste water sites. These lines have worked well for many years but over time the utility's systems have become more complex and the data files are now larger and more numerous than ever before which is causing the lines to reach their limit at several of the larger remote sites.

To compound this issue AT&T is moving towards retiring these lines and encouraging the utility to seek other alternatives by increasing the lease rates while decreasing support. Water Utilities has been reviewing alternatives for several years to find the correct technology to replace the leased copper lines. The utility has worked with public safety to review microwave transmission, has reviewed the possibility of fiber connections, has piloted a cellular communication option and had a varieties of issues with consistency and potential costs with all of those options.

As this project is finishing up the City has retired the use of the leased copper lines and are up and running on the radio communications system. There have been some items found in the field during construction of this system which were different than the design assumptions and require modification by this change order to complete the installations. These changes are relatively minor in nature and fall within the original project budget.

Michael Anderson, Construction Manager

Staff recommends approval of an Ordinance approving Change Order #4 to the contract with Second Sight Systems, L.L.C. for the

SCADA System improvements project, an increase of \$5,997.17 for a revised contract price of \$448,507.30.