

Legislation Text

File #: BILL NO. 19-253, **Version:** 1

An Ordinance approving Change Order #3 to the contract with Second Sight Systems, L.L.C. for the SCADA System improvements project, an increase of \$22,104.47 for a revised contract price of \$442,510.13. (PWC 11/04/19)

Issue/Request:

An Ordinance approving Change Order #3 to the contract with Second Sight Systems, L.L.C. for the SCADA System improvements project, an increase of \$22,104.47 for a revised contract price of \$442,510.13.

Key Issues:

- The SCADA Network Management Software needed to be upgraded based on the recommendation of the Engineer.
- Cavity bandpass filters were required at both the Oak Ridge Meadow and Anderson sites based on the recommendation of the Engineer.
- A 15 foot utility pole had to be set at the Legacy Woods location with the existing antenna being relocated to the new pole based on the recommendation of the Engineer.
- The City desired the integration of Win-911 into the SCADA system.

Proposed City Council Motion:

FIRST MOTION: I move for a second reading of an Ordinance approving Change Order #3 to the contract with Second Sight Systems, L.L.C. for the SCADA System improvements project, an increase of \$22,104.47 for a revised contract price of \$442,510.13.

SECOND MOTION: I move for adoption of an Ordinance approving Change Order #3 to the contract with Second Sight Systems, L.L.C. for the SCADA System improvements project, an increase of \$22,104.47 for a revised contract price of \$442,510.13.

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.

Impact/Analysis:

[Enter text here]

Timeline:

Start: ____

Finish: ____

Other Information/Unique Characteristics:

[Enter text here]

Mark Schaufler, Director of Water Utilities

Recommendation: Staff recommends approval of an Ordinance approving Change Order #3 to the contract with Second Sight Systems, L.L.C. for the SCADA System improvements project, an increase of \$22,104.47 for a revised contract price of \$442,510.13.

Committee Recommendation: The Public Works Committee voted unanimously 4-0 to recommend to City council approval of an Ordinance approving Change Order #3 to the contract with Second Sight Systems, L.L.C. for the SCADA System improvements project, an increase of \$22,104.47 for a revised contract price of \$442,510.13.