



AGENDA SUMMARY EUREKA CITY COUNCIL

TITLE: Fiber Optic Installation Project 2023 Bid No. 2023-16 - Acceptance

DEPARTMENT: Public Works

PREPARED BY: Jay Wortelboer, Project Manager

PRESENTED FOR: Action Information only Discussion

RECOMMENDATION

1. Accept the Fiber Optic Installation Project 2023; and
2. Authorize the filing of a 'Notice of Completion' at the Office of the County Recorder

FISCAL IMPACT

No Fiscal Impact Included in Budget Additional Appropriation

COUNCIL GOALS/STRATEGIC VISION

- Financially sound city providing effective services

DISCUSSION

The City of Eureka currently utilizes wireless systems for much of its communications and data transmission. These connections include many different radios, transmitters, and antennas to accomplish this and include everything from internet access, to phone service, to supervisory control and data acquisition (SCADA) systems that monitor the City's sewer and water infrastructure. These connections are vulnerable to inclement weather conditions, weathering and aging equipment, and external interference. Additionally, the wireless connections are limited in the amount of data that can be transmitted at one time. Fiber optic connections offer a secure, buried conductor that is capable of incredibly high-speed data transmission. The City has created a plan to connect all major infrastructure to the fiber optic network in the years to come.

This project consists, in general, of: horizontal directional drilling (HDD) approximately 9,000 linear feet and pulling in three (3) conduits, then running two lines of fiber optic conductors, beginning at the High Tank control room (Wood and K Streets) and connects to the Municipal Auditorium, where the IT Department is headquartered.

Additionally, this project will connect to the fiber optic conductors that were installed in the Henderson Improvements Project, as well as connecting traffic signals at Buhne Street at H and I Streets, and 14th Street at H and I Streets. These connections will ensure communications remain intact through natural disasters, severe weather, and many other unexpected situations to some of the City's most vital facilities. By pulling more conduit than is currently necessary, the City creates capacity for unforeseen needs and the option of leasing space to private or public partners in the future.

This project was put out to bid under the City's formal bid process. This includes advertisement in the Times-Standards newspaper classified section, placement of contract documents on the ciplist.com website, holding of a non-mandatory pre-bid meeting, followed up by a question period and addendum, if needed. The project was advertised on April 23, 2023, and bids were opened on May 18, 2023, at which time four (4) bids were received. Solid Rock Construction was the low bidder. Staff reviewed and evaluated the bids and determined the low bid to be in conformance with the project requirements.

Staff has determined that the work specified in the contract has been completed in substantial conformance with the plans and specifications. Therefore, staff recommends that Council accept the Fiber Optic Installation Project 2023 and authorize staff to file a notice of completion for the project.

REVIEWED AND APPROVED BY:

- City Attorney
- City Clerk/Information Technology
- Community Services
- Development Services
- Finance
- Fire
- Human Resources
- Police
- Public Works