



STAFF REPORT

December 7, 2022
File Number 0600-10; A-3383

SUBJECT

CHANGE ORDERS FOR THE WEST 7TH AVENUE AND SOUTH BROADWAY WATER MAIN REPLACEMENT PROJECT

DEPARTMENT

Utilities Department, Construction and Engineering Division

RECOMMENDATION

Request the City Council adopt Resolution No. 2022-175, authorizing change orders to the Public Improvement Agreement with S.C. Valley Engineering, Inc., in the amount of \$478,596.00 for the West 7th Avenue and South Broadway Water Main Replacement Project ("Project").

Staff Recommendation: Approval (Utilities: Christopher W. McKinney, Deputy City Manager/Director of Utilities)

Presenter: Angela Morrow, Deputy Director of Utilities

FISCAL ANALYSIS

Funds for the change orders are available in the Water Capital Improvement Project ("CIP") No. 708001.

PREVIOUS ACTION

On May 13, 2020, the City Council: 1) adopted Resolution No. 2020-48, authorizing the Mayor to execute a consulting agreement with Kennedy/Jenks Consultants, Inc. in the amount of \$329,146 for the design of the Project; and 2) approved a budget adjustment in the amount of \$420,000.

On December 1, 2021, the City Council: 1) adopted Resolution No. 2021-159, authorizing the Mayor and City Clerk to execute a Public Improvement Agreement in the amount of \$2,985,960 with S.C. Valley Engineering, Inc., the lowest responsive and responsible bidder, for construction of the Project; 2) adopted Resolution No. 2021-161, authorizing the Mayor to execute a consulting agreement in the amount of \$432,610 with Ardurra Group, Inc., for construction management services for the Project; and 3) approved a budget adjustment in the amount of \$3,000,000.

BACKGROUND

The City of Escondido's ("City") existing water mains in West 7th Avenue and in South Broadway were constructed in the early 1950's and need replacement. In September 2019, a portion of the existing 12-



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inch water main failed in West 7th Avenue between Quince Street and Centre City Parkway. City crews repaired the damaged portion of the water main. This project includes the replacement of approximately 5,500 lineal feet of existing 10-inch and 12-inch cast iron water pipeline with 12-inch PVC pipeline; and the replacement of existing water services, water meters, and fire hydrants. The project is located along West 7th Avenue from Quince Street to South Broadway, and in South Broadway from West 7th Avenue to West Valley Parkway.

The following examples describe the types of conflicts, unforeseen conditions, and changes that have been encountered so far during the construction of the project.

Unmarked Utility Conflicts

The contractor encountered multiple unmarked utilities, one of which required extensive re-design efforts to the proposed pipeline in order to avoid the unmarked utility. This caused multiple construction impacts such as: the immediate need to re-mobilize labor and equipment to other work areas while the re-design was being done, adjusting the project schedule to reflect the unforeseen change, and procuring additional material to construct around the conflict.

Temporary Change to Working Hours

Direct impacts to local downtown businesses and scheduled events such as “Cruising Grand” were mitigated by performing the pipeline construction along Broadway between 2nd Avenue and West Valley Parkway during night, non-business hours. Changing this portion of the Project to night construction resulted in additional costs including: prevailing wage adjustments related to overtime for construction workers, safety constraints related to night time work, and other cost impacts for revising the previously scheduled work activities.

Alternate Pipeline Alignment

After discussions with the contractor and City staff, it was decided that portions of the proposed pipeline should be altered, or replaced in its existing alignment, in order to reduce the number of water service disruptions to the local community during construction. Therefore, additional material and installation costs will be incurred to successfully phase the work with minimal disruptions to customers.

The change orders would also provide the necessary funds to pay for any potential future changes arising from unforeseen circumstances in a timely manner, and to avoid the costly decision to stop the contractor’s progress due to insufficient funds. If any of these funds are not used, they will remain with the City.

Construction is approximately 78 percent complete. The proposed change orders would add an additional 157 calendar days to the construction contract, resulting in construction completion by February 2023.



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RESOLUTIONS

- A. Resolution No. 2022-175

ATTACHMENTS

- A. Attachment "1" - W 7th Avenue and S Broadway Water Main Replacement Project Change Order