

Meeting Date: 7/22/2014

Report Type: Consent

Report ID: 2014-00509

Title: Change Order: T Street Sewer Replacement, 19th-21st Street (X14010052)

Location: District 4

Recommendation: Pass a Motion authorizing the City Manager or the City Manager's designee to sign Change Order No. 3 to City Contract No. 2013-00835 with CSI Engineering, for the amount of \$19,072, bringing the contract amount to \$436,010.

Contact: Bill Busath, Engineering & Water Resources Manager, (916) 808-1434; Brett Grant, Supervising Engineer, (916) 808-1413, Department of Utilities

Presenter: None

Department: Department Of Utilities

Division: Cip Engineering

Dept ID: 14001321

Attachments:

1-Description/Analysis

2-Background

3-Location Map

City Attorney Review

Approved as to Form

Joe Robinson

7/1/2014 3:03:43 PM

Approvals/Acknowledgements

Department Director or Designee: Dave Brent - 6/26/2014 2:59:30 PM

Description/Analysis

Issue:

City Council awarded this contract for the T Street Sewer Replacement Project, 19th – 21st Street, to CSI General Engineering on November 26, 2013 for a contract amount of \$238,469.67. The contract amount was increased by \$155,810 by Change Order No. 1, approved by Council on February 11, 2014. Change Order No. 1 compensated the contractor for additional work required by the City, due to design changes identified in the recently completed Combined Sewer System Improvement Plan (CSSIP) update.

Change Order No. 2 compensated the contractor for additional work due to unforeseen conditions and increased the contract amount by \$22,657.80. This report requests approval of Change Order No. 3 to compensate the contractor for additional work due to unforeseen conditions and to adjust the estimated bid item amounts to reflect the actual amounts measured in the field. Change Order No. 3 will increase the final contract amount by \$19,072.40 for a final total contract amount of \$436,009.87.

Policy Considerations: The action requested is consistent with the City of Sacramento Strategic Plan goals of improving and expanding public safety and achieving sustainability and livability.

Economic Impacts: This infrastructure repair project is expected to create 1.4 total jobs (0.8 direct job and 0.6 job through indirect and induced activities) and create \$211,685 in total economic output (\$133,427 of direct output and another \$78,258 of output through indirect and induced activities).

The indicated economic impacts are estimates calculated using a calculation tool developed by the Center for Strategic Economic Research (CSER). CSER utilized the IMPLAN input-output model (2009 coefficients) to quantify the economic impacts of a hypothetical \$1 million of spending in various construction categories within the City of Sacramento in an average one-year period. Actual impacts could differ significantly from the estimates and neither the City of Sacramento nor CSER shall be held responsible for consequences resulting from such differences.

Environmental Considerations: The Community Development Department, Environmental Planning Services Division Manager reviewed the project and determined that the project is exempt from the California Environmental Quality Act (CEQA) under Class 2, Section 15302 of the CEQA Guidelines, Replacement or Reconstruction. The project consists of the replacement of deteriorating existing sewer pipe and other related utility structures where the new structure will be located on the same site as the structure replaced and will have substantially the same purpose and capacity as the structure replaced.

Sustainability: The project furthers the goals of the City's Sustainability Master Plan, by reducing flooding; by improving service; and by improving reliability, which will reduce energy-intensive maintenance efforts.

Commission/Committee Action: Not applicable.

Rationale for Recommendation: Approval of Change Order No. 3 is recommended to close out the project.

Financial Considerations: The T Street Sewer Replacement Project, 19th – 21st Street (X14010052), includes a total expense budget of \$542,845.00. With the original construction contract amount of \$238,469.67, \$155,810.00 from change order 1, \$22,657.80 from change order 2, \$19,072.40 from Change Order No. 3, and project delivery costs, the total project cost is estimated to be \$540,000. There are sufficient wastewater funds (Fund 6006) to complete the project.

Local Business Enterprise (LBE): This contract was bid prior to the City's establishment of LBE participation requirements.

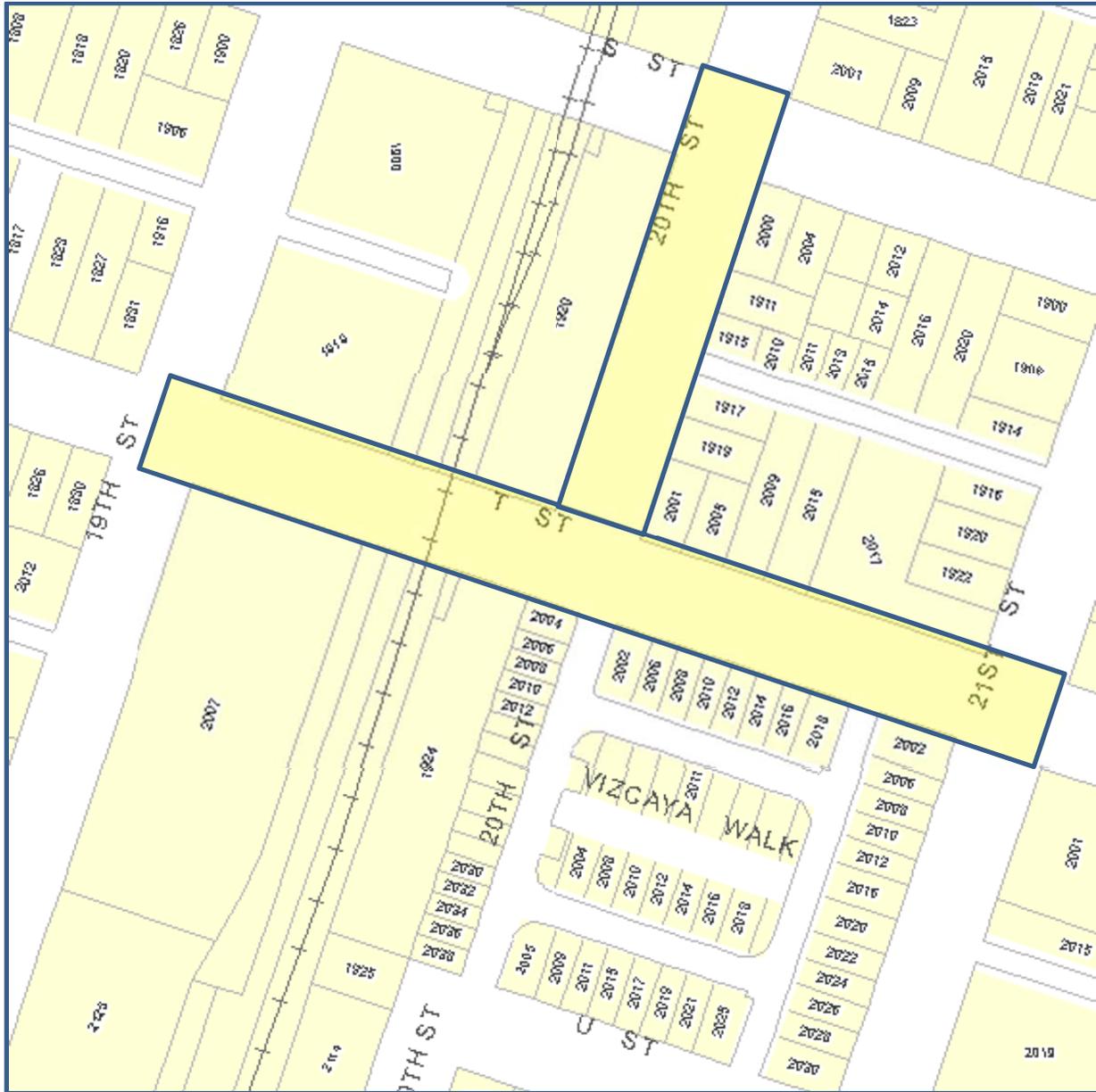
BACKGROUND

The T Street Sewer Replacement, 19th to 21st Street (Project) replaces old and failing pipelines within the City's Combined Sewer System (CSS). The pipeline segments replaced by this project include 8-inch combined sewer (CS) mains in T Street between 19th – 21st Streets, and in 20th Street, between T and S Streets. These pipes were originally constructed in 1908 and 1909 using vitrified clay pipe (VCP). Closed-Circuit Television (CCTV) inspection indicated that these mains were in poor condition, portions of the pipe were cracked and crushed, manholes were in poor condition, and the surface east of the railroad crossing was sinking. Maintenance crews also noted that due to the location of the manhole between the railroad and light rail tracks, it was difficult to access and maintain the manhole and portions of the CS main in T Street.

The contract was awarded to CSI Engineering for \$238,469.67 on November 26, 2013. Change Order No. 1 increased the contract amount by \$155,810 to pay to construct a large diameter in-line storage pipe, which was a City-requested change to be consistent with the CSSIP update. Change Order No. 2 increased the contract amount by \$22,657.80 for extra work and delays due to unforeseen conditions in the field. Change Order No. 3 will increase the contract amount by \$19,072.40 for extra work and also reflects the actual amounts measured in the field.

Attachment 1

LOCATION MAP
T Street Sewer Replacement, 19th-21st Street
X14010052



Project Location: T Street between 19th Street and 21st Street, 20th Street between T Street and S Street.