

City of Sacramento

Legislation Details (With Text)

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Title: Change Order: 3rd Street Relief Sewer Project

Sponsors:

Indexes:

Code sections:

Attachments:

Date	Ver.	Action By	Action	Result
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Title:

Change Order: 3rd Street Relief Sewer Project

File ID: 2020-00845

Location: District 4

Recommendation:

Pass a Motion: 1) authorizing the City Manager or the City Manager's designee to execute Change Order No. 17 to City Agreement No. 2019-0674 with Steve P. Rados, Inc, for an amount not-to-exceed \$179,679, bringing the agreement's total not-to-exceed amount to \$15,236,487; and 2) resetting the City Manager's authority to issue Change Orders for the Agreement.

Contact: Tim Moresco, Project Manager (916) 808-1432; Luz "Nina" Buelna, Supervising Engineer (916) 808-4937; Tony Bertrand, Engineering & Water Resources Division Manager, (916) 808-1461; Department of Utilities

Presenter: None

Attachments:

1-Description/Analysis

2-Change Order

Description/Analysis

Issue Detail: Staff recommends that Council approve Change Order 17 with Steve P. Rados, Inc., for City Agreement No. 2019-0674 for the additional work required for the Contractor to connect the new

42-inch main to the existing manhole at 5th Street and T Street due to unforeseen conditions.

Policy Considerations: This Change Order exceeds the City Manager's approval authority and requires Council approval.

Economic Impacts: This Change Order is expected to create 0.72 total jobs (0.41 direct jobs and 0.31 jobs through indirect and induced activities) and create \$110,940 in total economic output (\$69,926 of direct output and another \$41,014 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: On June 11, 2019, the City Council adopted the 3rd Street Relief Sewer System Addendum to the City of Sacramento Combined Sewer System Rehabilitation and Improvement Plan EIR (Resolution No. 2019-0240). The subject action is a continuation of the approved 3rd Street Relief Sewer Project evaluated within the Addendum. No further environmental review is required.

Sustainability: The proposed project is consistent with the [2035 General Plan](https://www.cityofsacramento.org/Community-Development/Resources/Online-Library/2035--General-Plan) [2035 General Plan](https://www.cityofsacramento.org/Community-Development/Resources/Online-Library/2035--General-Plan) as it improves infrastructure reliability and supports the City's Long-Term Control Plan to rehabilitate the Combined Sewer System (CSS) to decrease flooding, outflows, and overflows.

Commission/Committee Action: Not applicable.

Rationale for Recommendation: Change Order 17 provides compensation for additional labor, equipment, and material needed to install the connection of the 42-inch main to the existing manhole at the intersection of 5th and T Streets. This is a critical connection point as it is the most downstream connection point for the new pipe being installed as part of the 3rd Street Relief Sewer Project. As explained in the Background section below, the conflicts encountered did not have any historical documentation associated with them, so therefore it could not have been planned for, and changes needed to be made in the field in order to mitigate the issue.

Financial Considerations: The original not-to-exceed amount of the contract was \$14,307,780. The net change by previous change orders in the amount of \$749,029 increased the contract not-to-exceed amount to \$15,056,809. Proposed Change Order No. 17 in the amount of \$179,678 would increase the contract not-to-exceed amount to \$15,236,487. There are sufficient funds in the Combined Sewer System (X14010000) project to execute this Change Order.

There are no General Funds allocated or planned for this project.

Local Business Enterprise (LBE): Steve P. Rados, Inc. is an LBE.

Background: This project has had many unforeseen issues arise due to unknown conditions while excavating. The location of the CSS pipe being placed for this project is in the heart of downtown on 3rd Street from R Street to I Street and on T Street from 3rd to 5th Streets which are areas of the City that are over 100 years old. In this project location there have been unknown existing utilities, abandoned and active, and infrastructure, such as streetcar tracks, which have resulted in additional work and materials.

Change Order 17 is required to compensate the Contractor for additional work required to install the connection of the new 42-inch main to the existing manhole.

On January 7, 2020, Steve P. Rados, Inc. was performing excavation to expose the two existing 60-inch CSS lines at the intersection of 5th Street and T Street, when it was discovered that the furthest east manhole was encased in concrete. Two unknown pipes were also located directly beneath the concrete encased 60-inch CSS pipe.

The concrete encasement was in direct conflict with the planned shoring installation for the tie-in of the 42-inch CSS pipe into the existing manhole. This required significant modifications to the shoring design, which required additional labor, equipment, and shoring materials. There was also additional excavation required to get around and under the encased 60-inch pipe.

When the soil was removed around one of the pipes, the pipe gave out and cracked, and began filling the open trench, which required additional pumps to be brought on site to dewater the trench. Initially it was believed to potentially be an active, undocumented water pipe, based on the pressure of water flowing from the pipe, but after testing, it was determined to be an old unknown drainage line. Staff was unable to determine the source of the water and proceeded to plug the leak and protect the line in place.