

**CITY OF ALBANY
CITY COUNCIL AGENDA
STAFF REPORT**

Agenda Date: September 19, 2022
Reviewed by: NA

SUBJECT: Annual Sewer Rehabilitation Program (CIP No. 32000)
Contract No. C21-07 Amendment #2 for 2023 Annual Sewer
Rehabilitation Project - Additional Engineering Design Services

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SUMMARY

The issue before Council is approval of a contract amendment to add engineering design services to Contract No. C21-07 with Nute Engineering to develop the 2023 Annual Sewer Rehabilitation project.

STAFF RECOMMENDATION

That the Council adopt Resolution No. 2022-100, authorizing the City Manager to execute Contract Amendment #2 to Contract No. C21-07 with Nute Engineering in the not-to-exceed amount of \$266,220.00 to add the 2023 Annual Sewer Rehabilitation Project using funds previously appropriated for the Annual Sewer Rehabilitation Program (CIP No. 32000).

BACKGROUND

The City owns and maintains approximately 34 miles of sewer main and 14 miles of lower laterals. Sewer mains that have not yet been replaced or rehabilitated are predominantly made of vitrified clay with cement mortar joints. Most clay pipes in Albany's system are over 60 years old and are in a deteriorated condition. Root intrusion through the joints has caused fracturing and other pipe defects, which increase the risk of a major structural failure or blockage. Joint offsets allow inflow and infiltration into the local and regional sewer system and contribute to sanitary sewer overflows.

In 2014, the City entered into a Consent Decree agreement as required by the US EPA (United States Environmental Protection Agency), which requires rehabilitation of at least 5,706 linear feet of sewer main per year. Consequently, the City adopted the 2014 Sewer Master Plan which outlines the steps the City will take to comply with the Consent Decree. In 2018, the US EPA indicated that the City was out of compliance with its annual requirements for sewer rehabilitation.

Since that time, the engineering design services provided by Nute Engineering have supported the City in accelerating design and construction, including the achievement of a milestone goal

of satisfying Consent Decree compliance requirements as of the end of fiscal year 2021 and the projected attainment of a one-year's buffer to required rehabilitation requirements with the construction of sewer limits planned under the contract amendment presented in this staff report.

DISCUSSION

The contract under consideration in this staff report is to add design services for an additional 6300 linear feet of sewer rehabilitation for the 2023 annual sewer rehabilitation project. Locations included in the project were selected based on prioritizations in the City's Sanitary Sewer Master Plan in conjunction with other upcoming capital improvements, including the Brighton Easement Sewer Rehabilitation Project.

The 2023 design package will consist of approximately 8600 feet of sewer rehabilitation in total, consisting of 1) the additional 6300 feet of sewer rehabilitation limits proposed under this contract amendment and 2) the remaining 2300 linear feet of sewer rehabilitation limits which are approaching design completion under the original C21-07 design contract. These remaining limits are ones which did not require acceleration in summer 2022 as change orders under active construction projects and, as a result of the small buffer built over the previous five years of accelerated sewer rehabilitation, could be deferred and packaged with the 2023 project for formal bid in spring 2023.

Staff requested and Nute Engineering provided a proposal for engineering design services in the amount of \$266,220.00. Engineering design services included in the contract will consist of field investigation, design and preparation of contract documents for sewer rehabilitation by means of pipe bursting, CIPP (cured-in-place pipe), or open trench installation. Contract documents will include preparation of technical specifications, cost estimates, and assistance during bid.

Staff has reviewed this estimate and has found it to be competitive with other firms offering this service. Nute Engineering is on the City's on-call list of engineering design firms and is currently concluding the 2022 Sanitary Sewer Rehabilitation design. Nute Engineering has a proven record of delivering design packages on-schedule and of a quality that demonstrates robust knowledge of the City's sewer system and standards. With Nute Engineering's design services under the 2018, 2020, and 2021 Sanitary Sewer Rehabilitation projects, the annual sewer rehabilitation is on track to obtaining a program goal of achieving a one-year buffer to the consent decree sewer rehabilitation requirements.

SUSTAINABILITY IMPACT

The rehabilitation of sanitary sewer mains and laterals prevents sanitary sewer overflows (SSOs). SSOs can reach storm drains, creeks, and the San Francisco Bay, causing unhealthy bacteria and pollutant levels. Taking measured and meaningful action to rehabilitate the City's public sanitary sewer system and thereby preventing SSOs is a requirement of the EPA Consent Decree. This is also in line with the City's 2035 General Plan goals regarding protecting both environmentally sensitive areas and the Bay Area's water resources at large.

Sewer rehabilitation also reduces hazards to vehicular and pedestrian traffic by reducing subsurface deterioration of the City's pavement.

FINANCIAL IMPACT

The current budget for the Annual Sewer Rehabilitation Program (CIP No. 32000) was appropriated by Council as part of the City's Capital Improvement Plan in November 2020 (Resolution No. 2020-108). Partial appropriation of the FY23 budget for the Annual Sewer Rehabilitation Program (CIP No. 32000) in the amount of \$3 million was approved by Council in May 2022 (Resolution No. 2022-45).

The follow table details the updated proposed expenditures for Contract No. C21-07.

Expenditures	Costs
Professional Services	\$288,500
Amendment #1 (CIPP Lining Limits)	\$49,733
Amendment #2 (Add 2023 Limits)	\$226,220
Total	\$564,453

As of September 9, 2022, the City has spent or encumbered a total of \$14.3 million of the total \$16.3 million budget appropriated for this program for FY20 through FY23. The contract recommended for award in this staff report is within the remaining appropriated budget and no adjustments are needed.

Attachments

1. Resolution No. 2022-100
2. Contract No. C21-07 Amendment #2 with Proposal