

Office of the City Manager

CONSENT CALENDAR
February 22, 2022

To: Honorable Mayor and Members of the City Council
From: Dee Williams-Ridley, City Manager
Submitted by: Liam Garland, Director, Public Works
Subject: Contract: Cratus, Inc. for Sanitary Sewer Rehabilitation at Various Locations on Shattuck Avenue

RECOMMENDATION

Adopt a Resolution approving plans and specifications for the Sanitary Sewer Project, located on Shattuck Avenue from Derby Street to Allston Way and Shattuck Avenue from University Avenue to Vine Street; accepting the bid of the lowest responsive and responsible bidder, Cratus, Inc.; and authorizing the City Manager to execute a contract and any amendments, extensions, or other change orders until completion of the project in accordance with the approved plans and specifications, in an amount not to exceed \$3,873,843, which includes a 10% contingency of \$352,167.

FISCAL IMPACTS OF RECOMMENDATION

Funding is available in the FY 2022 Sanitary Sewer Fund 611-54-623-676-3013-000-473-665130-PWENSR2201.

Low bid by Cratus	\$3,521,676
10% Contingency	\$352,167
Total construction cost	\$3,873,843

CURRENT SITUATION AND ITS EFFECTS

An Invitation for Bids (Specification. No. 22-11481-C) was released on December 10, 2021 and four non-local bids were received, ranging from a low of \$3,521,676 to a high of \$3,940,590 (Attachment 3, Bid Results). The engineer's estimate for the project was \$4,100,000. Cratus, Inc, of San Francisco, CA was the lowest responsive and responsible bidder with a bid of \$3,521,676. Previous work and references for Cratus, Inc proved satisfactory, thus staff recommends award of the contract to Cratus, Inc This sanitary sewer project supports the City's Strategic Plan goals of providing state-of-the-art, well-maintained infrastructure, amenities, and the goal of protecting the environment.

BACKGROUND

To remain compliant with the September 22, 2014 Consent Decree, the City has implemented a long-term mandated Sanitary Sewer Capital Improvement Program to

eliminate sanitary sewer overflows (SSOs) and to reduce storm water infiltration and inflow into the sanitary sewer system. Under this program, the City utilizes a comprehensive asset management approach based on complex and evolving hydrologic and hydraulic modeling and condition assessments to repair, replace, or upgrade the City's portion of the sanitary sewer system. Ultimately, these actions will assist East Bay Municipal Utility District (EBMUD) in their goal of eliminating discharges from their wet weather facilities by the end of 2035.

This is the eighth year of the twenty-two-year Consent Decree program, which stipulates that the City shall perform collection system repair and rehabilitation to control infiltration and inflow.¹ This is in support of and in addition to ongoing work previously identified in the City's Sanitary Sewer Management Plan (SSMP) and Asset Management Implementation Plan (AMIP).

This sanitary sewer project is part of the City's ongoing program to rehabilitate or replace its aging sanitary sewer system, and to eliminate potential health hazards to the public. The project is located on Shattuck Avenue from Derby Street to Allston Way and Shattuck Avenue from University Avenue to Vine Street as shown on the Location Map (Attachment 2). The sanitary sewer collection system in this area needs immediate rehabilitation to prevent pipe failures, sewer blockages, and leakage problems. Field investigations performed using a closed-circuit television camera revealed deteriorated piping and pipe defects in the existing sanitary sewer mains. These conditions are similar to problems previously found in other sanitary sewer mains prior to their replacement.

Planned work entails rehabilitation of approximately 6,363 linear feet sanitary sewer mains varying in size from 6-inch to 36-inch diameter; maintenance hole rehabilitation; replacement of 4-inch and 6-inch diameter sanitary sewer laterals; and other related work. To reduce traffic impacts, minimize inconvenience to the public, and reduce cost, a majority of this sanitary sewer rehabilitation work will be performed using the pipe bursting and cured-in-place-pipe methods. These trenchless methods allow replacement of buried pipelines without the need for a traditional open trench construction. These methods of pulling a new high-density polyethylene pipe (HDPE) or a new felt liner through the existing clay and concrete pipes allow for cost savings and avoid street closures and traffic disruptions caused by open trenches.

The Living Wage Ordinance does not apply to this project as Department of Public Works construction contracts are subject to State prevailing wage laws. Cratus, Inc. has submitted a Certification of Compliance with the Equal Benefits Ordinance. The Community Workforce Agreement applies to this project because the estimated value of the project exceeds \$500,000. As a result, the contractor and all subcontractors will be required to sign an agreement to be bound by the terms of the Agreement.

¹ At an average annual rate of no less than 22,120 feet of sanitary sewer mains on a three-fiscal-year rolling average.

ENVIRONMENTAL SUSTAINABILITY AND CLIMATE IMPACTS

Improvements to the City's sanitary sewer system will help protect water quality by reducing the frequency of SSOs, and infiltration and inflow into the City's sanitary sewer system that can negatively affect the San Francisco Bay. There are no anticipated negative climate impacts.

RATIONALE FOR RECOMMENDATION

Contracted services are required for the specialized services required for this project, as the City lacks in-house resources needed to complete scheduled sanitary sewer rehabilitation and replacement projects. Further, the City must take timely action to address urgent/emergent sewer repairs without delay. Finally, subject to fines and stipulated penalties, the Consent Decree demands the City to repair acute defects within one year of discovery, and complete sanitary sewer mains rehabilitation and replacement at an average annual rate of no less than 22,120 feet on a three-fiscal-year rolling average. The City will have a three-year annual average of approximately 22,160 linear feet of replaced or rehabilitated sewer through the end of FY 2022 on June 30, 2022.

ALTERNATIVE ACTIONS CONSIDERED

No reasonable alternative exists as the City's sanitary sewer pipelines are in poor condition and in need of timely rehabilitation to prevent an increased probability of infiltration and inflows, sanitary sewer leakages, and backup problems in the sanitary sewer system.

CONTACT PERSON

Joe Enke, Manager of Engineering, Public Works, (510) 981-6411
Daniel Akagi, Supervising Civil Engineer, Public Works, (510) 981-6394

Attachments:

- 1: Resolution
- 2: Location Map
- 3: Bid Results

RESOLUTION NO. ##,###-N.S.

CONTRACT: CRATUS INC. FOR SANITARY SEWER REHABILITATION – SHATTUCK AVENUE FROM DERBY STREET TO ALISTON WAY AND SHATTUCK AVENUE FROM UNIVERSITY AVENUE TO VINE STREET.

WHEREAS, the Sanitary Sewer Project is part of the City's on-going Sanitary Sewer Capital Improvement Program to rehabilitate or replace the aging and deteriorated sanitary sewer system; and

WHEREAS, the Capital Improvement Program is a requirement of compliance with the National Pollution Discharge Elimination System Permit (NPDES) and California Regional Water Quality Control Board Consent Decree; and

WHEREAS, the City has neither the staff nor the equipment necessary to undertake this Sanitary Sewer Rehabilitation Project and other urgent/emergent sewer repairs; and

WHEREAS, on December 10, 2021 the City released an Invitation for Bids (Specification No. 22-11481-C) for sanitary sewer rehabilitation and replacement; and

WHEREAS, the City received four bids, and Cratus, Inc. was found to be the lowest responsive and responsible bidder; and

WHEREAS, funds are available in the FY 2022 budget Sanitary Sewer Fund 611; and

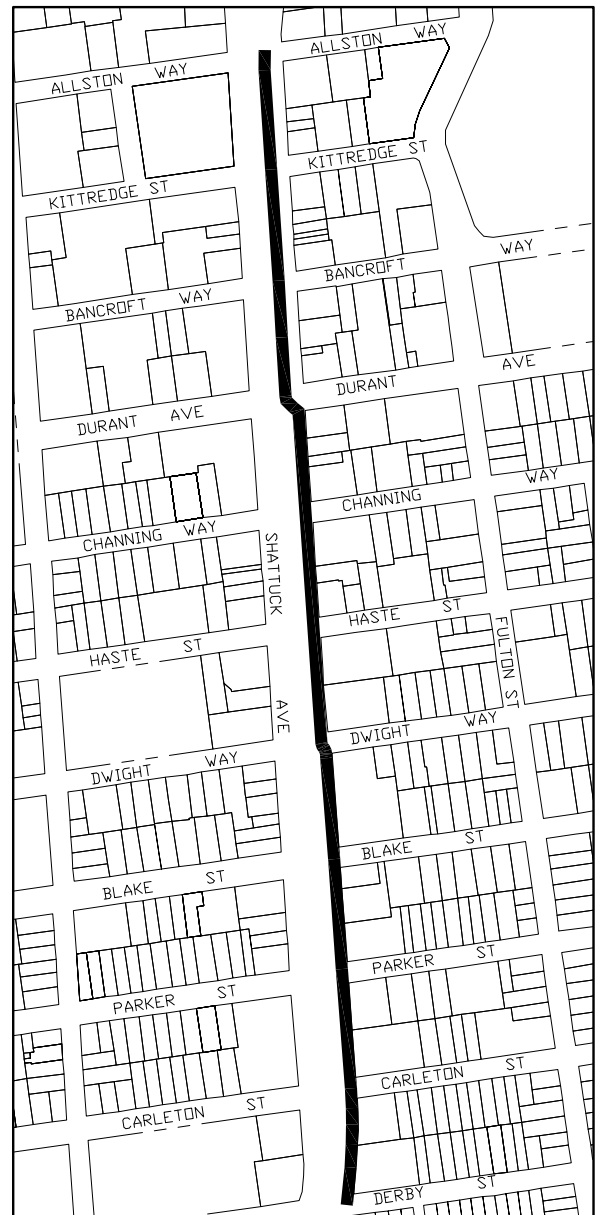
NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the Plans and Specifications No. 22-11481-C for the Sanitary Sewer Rehabilitation Project are approved.

BE IT FURTHER RESOLVED that the Council of the City of Berkeley authorizes the City Manager to execute a contract and any amendments with Cratus, Inc., until completion of the project in accordance with the approved plans and specifications for the Sanitary Sewer Rehabilitation Project located on Shattuck Avenue from Derby Street to Allston Way and Shattuck Avenue from University Avenue to Vine Street, in an amount not to exceed \$3,873,843 which includes a 10% contingency for unforeseen circumstances. A record signature copy of said agreement and any amendments will be on file in the Office of the City Clerk.

CITY OF BERKELEY, CALIFORNIA SHATTUCK AVENUE SANITARY SEWER REHABILITATION PROJECT

FROM DERBY STREET TO ALLSTON WAY AND UNIVERSITY AVE TO VINE ST

SPECIFICATION NO. 22-11481-C

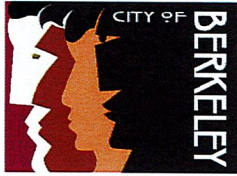


— CONSTRUCTION AREA

LOCATION MAP

NOT TO SCALE

ATTACHMENT 2



**City of Berkeley
Abstract of Bid Worksheet**

Finance Department
General Services Division

FOR: Sanitary Sewer Rehabilitation, Shattuck

Spec. No.
22-11481-C

Bid Date: 1/11/2022

required w/ bid

	Bidders	Base Bid	Bid Bond	Addendum (none)	Experience - Fin. Qual.	Taxpayer ID	Opp.States	Nuclear Free	EBO	Sanctuary City
1	Andes Construction, Inc.	\$ 3,847,277.00	X		X	X	X	X	X	X
2	Precision Engineering, Inc.	\$ 3,940,590.00	X		X	X	X	X	X	X
3	Ranger Pipelines	\$ 3,831,151.00	X		X	X	X	X	X	X
4	Cratus, Inc.	\$ 3,521,676.00	X		X	X	X	X	X	X
5										
6										
7										
8										
9										
10										

Bid Recorder: Josh Roben *[Signature]*

Bid Opener: Darryl Sweet

Project Manager: *[Signature]*