



Office of the City Manager

CONSENT CALENDAR
February 25, 2020

To: Honorable Mayor and Members of the City Council
From: Dee Williams-Ridley, City Manager
Submitted by: Phillip L. Harrington, Director, Department of Public Works
Subject: Contract: APB General Engineering for Sanitary Sewer Rehabilitation and Replacement - Urgent Sewer Repair Project FY 2020

RECOMMENDATION

Adopt a Resolution approving plans and specifications for the Urgent Sewer Repair Project FY 2020 with sites located throughout the City; accepting the bid of the lowest responsive and responsible bidder, APB General Engineering; and, authorizing City Manager to execute a contract and any amendments, extensions, or change orders until completion of the project in accordance with the approved plans and specifications, in an amount not to exceed \$388,489 which includes a 10% contingency of \$35,317.

FISCAL IMPACTS OF RECOMMENDATION

Funding is available in the FY 2020 budget in Sanitary Sewer Fund 611-54-623-676-0000-000-473-665130-PWENSR2005.

Low bid by APB General Engineering ...	\$353,172
10% Contingency	\$35,317
Total construction cost	\$388,489

CURRENT SITUATION AND ITS EFFECTS

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 will be sited at various locations throughout the City as shown on the Location Map (Attachment 2). The sanitary sewer collection system in these areas needs immediate rehabilitation to prevent impending 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 includes point (spot) repair of 6-inch, 8-inch and 15-inch diameter sanitary sewer pipes at various locations as shown in Attachment 2; rehabilitation of approximately 301 linear feet of 8-inch diameter sanitary sewer mains; rehabilitation of maintenance holes; point repair of sanitary sewer laterals; and related work. These repairs will correct existing acute defects including imminent structural failures identified

during the FY 2019 sanitary sewer system inspection and condition assessment program.

The scope of work also includes provisions for urgent/emergent actions related to acute sewer defects that will be undertaken at other citywide locations on an as-needed basis. As required by the United States Environmental Protection Agency (EPA) and Regional Water Quality Control Board Consent Decree, acute defects must be addressed no later than one year after they are identified. The eighty-five working day contract term includes a forty working day performance period, and an additional forty-five working days for project closeout. Finally, a 10% contingency of \$35,317 is included to pay for related unexpected future construction events.

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 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 sixth year of the twenty two year Consent Decree requiring the City to inspect and assess sanitary sewer system condition at a minimum average annual rate of 79,200 feet (based upon a three fiscal year rolling average). Last year, the City inspected approximately 64,000 feet of pipe, and identified acute defects scheduled for repair in FY 2020 with the Urgent Sewer Repair Project FY 2020. The City had a three year annual average of approximately 123,383 linear feet of sewer main inspection at the end of fiscal year 2019. This project advances a Strategic Plan Priority Goal of providing state-of-the-art well-maintained infrastructure, amenities, and facilities.

An Invitation for Bids (Spec. No. 20-11362-C) for the project was released on December 17, 2019, and seven non-local bids were received, ranging from a low of \$353,172 to a high of \$605,854 (Attachment 3). The engineer's project estimate was \$488,000. APB General Engineering was the lowest responsive and responsible bidder. Previous work and references of APB General Engineering proved satisfactory, thus staff recommends award of the contract to APB General Engineering.

The Living Wage Ordinance does not apply to this project as Department of Public Works construction contracts are subject to State prevailing wage laws. APB submitted a Certification of Compliance with the Equal Benefits Ordinance. The Community Workforce Agreement (CWA) does not apply to this contract because the estimated project value does not exceed \$500,000.

ENVIRONMENTAL SUSTAINABILITY

Improvements to the City sanitary sewer system will help protect water quality by reducing the frequency of SSOs, and the amount of inflow and infiltration into the City sanitary sewer system which can negatively affect the San Francisco Bay.

RATIONALE FOR RECOMMENDATION

Contracted services are required for these large projects, 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 the sanitary sewer main rehabilitation and replacement at a three-year annual average minimum of 22,120 feet per fiscal year. The City will have a three year annual average of approximately 23,220 linear feet of replaced or rehabilitated sewer mains after completing the FY 2020 work by June 30, 2020.

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 inflow and infiltration, sanitary sewer leakages, and backup problems in the sanitary sewer system.

CONTACT PERSON

Andrew Brozyna, Deputy Director, Public Works, (510) 981-6396
Nisha Patel, Manager of Engineering, Public Works, (510) 981-6406
Adadu Yemane, Associate Civil Engineer, Public Works, (510) 981-6413

Attachments:

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

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

CONTRACT: APB GENERAL ENGINEERING; FOR SANITARY SEWER
REHABILITATION – URGENT SEWER REPAIR PROJECT FY 2020

WHEREAS, the Sanitary Sewer Project is part of the City's on-going Sanitary Sewer Capital Improvement Program to rehabilitate 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 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 and Replacement Project and other urgent/emergent sewer repairs; and

WHEREAS, on December 17, 2019, the City released an Invitation for Bids (Specification #20-11362-C) for the Urgent Sewer Repair Project FY 2020; and

WHEREAS, the City received seven submission, and APB General Engineering; was the lowest responsive and responsive bidder; and

WHEREAS funds are available in the FY 2020 budget in Sanitary Sewer Fund 611.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the Plans and Specifications No. 20-11362-C for the Urgent Sewer Repair Project FY 2020 are approved.

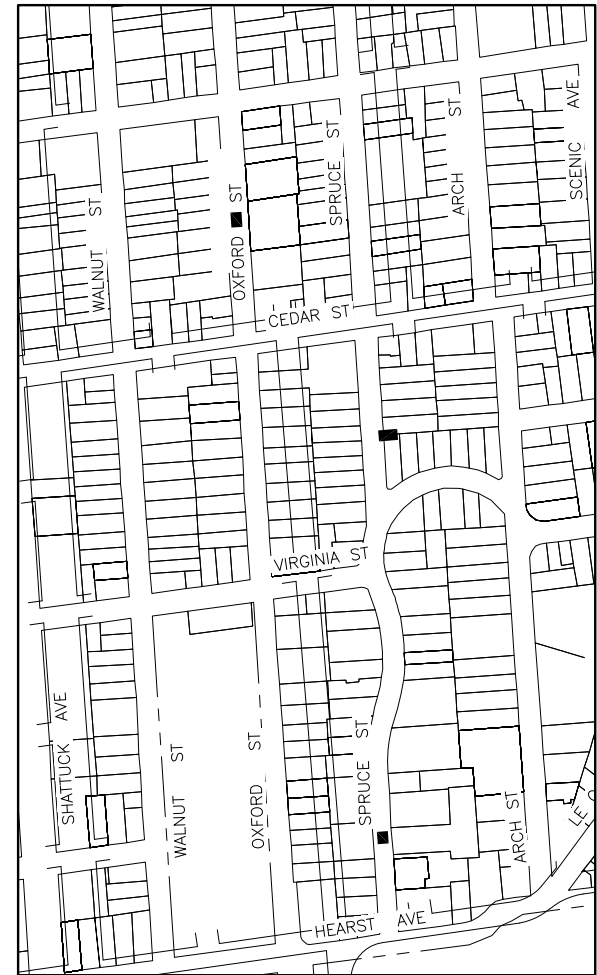
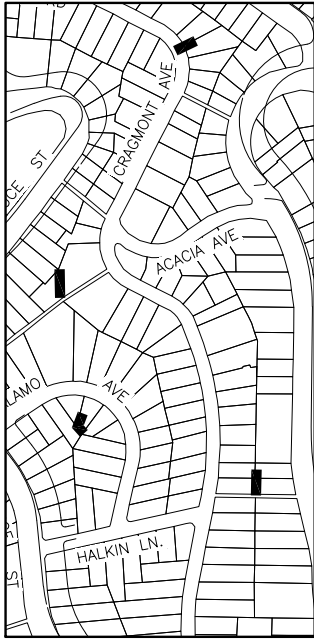
BE IT FURTHER RESOLVED that the Council authorizes the City Manager to execute a contract and any amendments, extensions, or change orders with APB General Engineering; until completion of the project in accordance with the approved specifications for the Urgent Sewer Repair Project FY 2020, with various locations throughout the City, in an amount not to exceed \$388,489, 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

SANITARY SEWER REHABILITATION

URGENT SEWER REPAIR PROJECT FY 2020

SPECIFICATION NO. 20-11362-C



— CONSTRUCTION AREA

VICINITY MAP

NOT TO SCALE



City of Berkeley
Abstract of Bids Worksheet

Finance Department
General Service Division

For: SANITARY SEWER REHABILITATION - URGENT SEWER REPAIR PROJECT
FY2020

Specification#: 20-11362-C

Bidders	Engineer's Estimate:		Bid Date:					Addendum	
	Base Bid		Nuc Free	Work Force Comp	Opp. States	Living Wage	EBO		Bid Bond
1 Mosto Construction	390,885.00		/		/		/	/	
2 Westland Contractors, Inc.	545,236.00		/		/		/	/	
3 Andes Construction, Inc.	372,071.00		/		/		/	/	
4 Gold Wing Engineering	361,241.50		/		/		/	/	
5 Kerex Engineering, Inc.	516,873.00		/		/		/	/	
6 Glosage Engineering, Inc.	605,854.00		/		/		/	/	
7 APB General Engineering	353,172.00		/		/		/	/	
8									
9									
10									

Bid Recorder: [Signature] 1/9/20

Bid Opener: [Signature] 1/7/20

Project Manager: [Signature] 1/9/20