



Office of the City Manager

CONSENT CALENDAR
April 4, 2017

To: Honorable Mayor and Members of the City Council

From: *DWR* Dee Williams-Ridley, City Manager

Submitted by: Phillip L. Harrington, Director, Department of Public Works

Subject: Contract: Andes Construction, Inc. For Sanitary Sewer Rehabilitation on Virginia Street, Fifth Street, Sixth Street, Tenth Street, Belvedere Avenue, Milvia Street, Walnut Street and Backline, Murray Street, Seventh Street, et.al

RECOMMENDATION

Adopt a Resolution approving plans and specifications for the Sanitary Sewer Project, located on Virginia Street, Fifth Street, Sixth Street, Tenth Street, Belvedere Avenue, Milvia Street, Walnut Street and Backline, Murray Street, Seventh Street, 66th Street, Idaho Street, Harmon Street and Boise Street; accepting the bid of the lowest responsive and responsible bidder, Andes Construction, 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 \$4,077,930.

FISCAL IMPACTS OF RECOMMENDATION

\$1,000,000 is available in the FY 2017 Sanitary Sewer Fund 830-5213-432-6510-17SR02; additional funding in the amount of \$3,077,930 is subject to Appropriation in the FY 2018 budget.

Low bid by Andes Construction.....	\$3,707,209
10% Contingency.....	\$370,721
Total construction cost	\$4,077,930

The contract has been assigned CMS No. SJNRH.

CURRENT SITUATION AND ITS EFFECTS

This sanitary sewer project is part of the City's ongoing program to rehabilitate or replace its aging 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), as the sanitary sewer collection system in these areas should be replaced immediately 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 existing sewer mains. These

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conditions are similar to other problems previously found in sewer mains prior to their replacement.

Planned work entails replacement or rehabilitation of approximately 6,280 linear feet of 6-inch to 24-inch diameter sanitary sewer mains; manhole construction; replacement of 4-inch and 6-inch diameter sewer laterals; and other related work. The scope of work includes provisions for urgent/emergent actions related to acute defects to be undertaken at other citywide locations on an as-needed basis. As required by the EPA and Regional Water Quality Control Board Consent Decree, acute defects must be addressed no later than one year after they are identified. The 165 working day contract term includes a 120 working day performance period and an additional 45 working days for project closeout. Finally, a 10% contingency is included to pay for related unexpected future construction events.

BACKGROUND

To remain compliant with the July 28, 2014 Consent Decree, the City has implemented a long-term mandated Sanitary Sewer Capital Improvement Program to eliminate 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 EBMUD in their goal of eliminating discharges from their Wet Weather Facilities by the end of 2035.

This is the third year of the twenty-two-year Consent Decree program, which stipulates that, the City shall perform Collection System Repair and Rehabilitation to control infiltration.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).

An Invitation for Bids (Spec. No. 17-11110-C) was released on January 27, 2017 and four non-local bids were received, ranging from a low of \$3,707,209 to a high of \$4,381,149 (Attachment 3, Bid Results). The engineer's estimate for the project was \$3,370,000. Andes Construction, Inc. (Andes) of Oakland, California was the lowest responsive and responsible bidder. Review and references for Andes proved satisfactory, thus staff recommends award of the contract to Andes.

The Living Wage Ordinance does not apply to this project as Public Works construction contracts are subject to State prevailing wage laws. Andes has submitted a Certification of Compliance with the Equal Benefits Ordinance. Because the project's estimated value exceeds \$500,000 Department of Public Works intends to continue honoring the Community Workforce Agreement (CWA) and will apply its terms to this agreement. As

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

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a result, the successful bidder and all subcontractors must agree to be bound by the terms of the CWA.

ENVIRONMENTAL SUSTAINABILITY

Improvements to the City's sanitary sewer system will help protect water quality by reducing the frequency of Sanitary Sewer Overflows and infiltration and inflows into the City's sewer system that can negatively affect the San Francisco Bay.

RATIONALE FOR RECOMMENDATION

Contracted services are required for these large projects as the City lacks in-house expertise and equipment 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 penalties, the Consent Decree demands the City repair acute defects within one year of discovery, and complete rehabilitation and replacement at an annual average minimum 22,120 feet per fiscal year.

ALTERNATIVE ACTIONS CONSIDERED

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

CONTACT PERSON

Paul Kaushal, Manager of Engineering/City Engineer (510) 981-6396
Kenneth Emeziem, Supervising Civil Engineer (510) 981-6444

Attachments:

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

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

CONTRACT: ANDES CONSTRUCTION, INC. FOR SANITARY SEWER REHABILITATION – VIRGINIA STREET, FIFTH STREET, SIXTH STREET, TENTH STREET, BELVEDERE AVENUE, MILVIA STREET, WALNUT STREET AND BACKLINE, MURRAY STREET, SEVENTH STREET, 66TH STREET, IDAHO STREET, HARMON STREET AND BOISE STREET

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

WHEREAS, an invitation for bids was duly advertised and Andes Construction, Inc. was found to be the lowest responsive and responsible bidder; and

WHEREAS, \$1,000,000 is available in the FY 2017 Sanitary Sewer Fund 830-5213-432-6510-17SR02; additional funding in the amount of \$3,077,930 is subject to appropriation in the FY 2018 budget and the contract has been entered as CMS No. SJNRH.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the Plans and Specifications No. 17-11110-C for the Sanitary Sewer Project are approved.

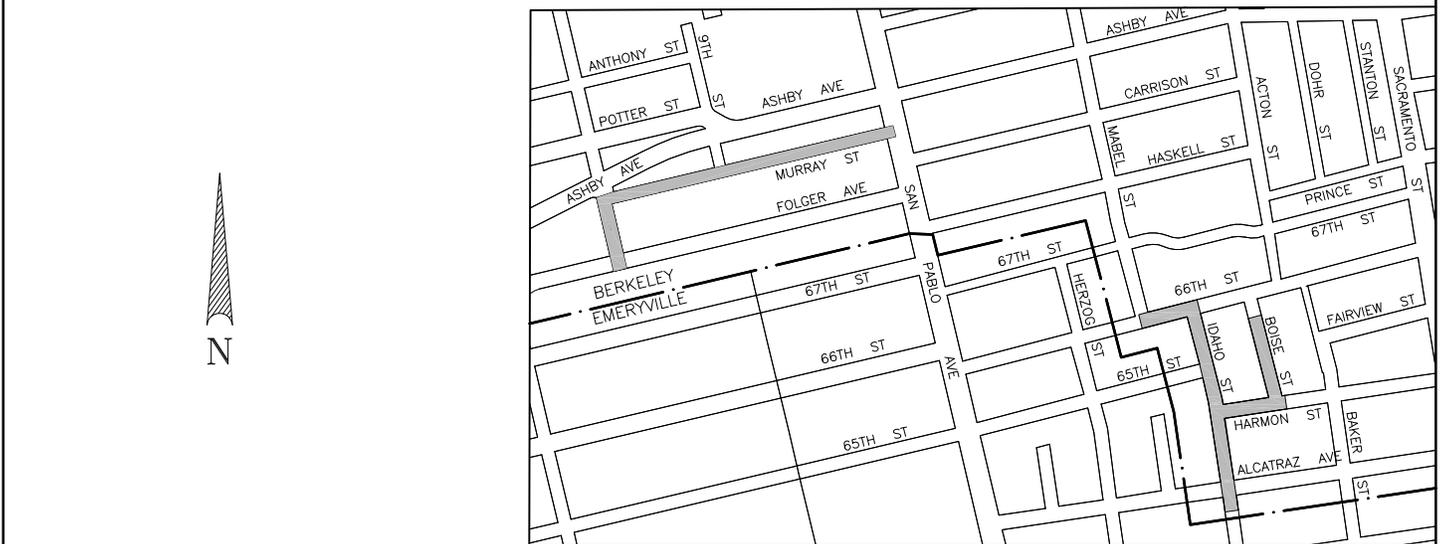
BE IT FURTHER RESOLVED that the Council of the City of Berkeley authorizes the City Manager to execute a contract and any amendments, extensions or change orders with Andes Construction, Inc., until completion of the project in accordance with the approved specifications for the Sanitary Sewer Rehabilitation Project located on Virginia Street, Fifth Street, Sixth Street, Tenth Street, Belvedere Avenue, Milvia Street, Walnut Street and Backline, Murray Street, Seventh Street, 66th Street, Idaho Street, Harmon Street and Boise Street, in an amount not to exceed \$4,077,930 that 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.

LOCATION MAP

SANITARY SEWER REHABILITATION AND REPLACEMENT

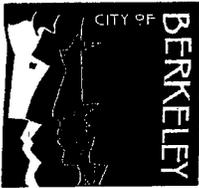
VIRGINIA STREET, 5TH STREET, 6TH STREET, 10TH STREET, BELVEDERE AVENUE, MILVIA STREET, WALNUT STREET AND BACKLINE, MURRAY STREET, 7TH STREET, 66TH STREET, IDAHO STREET, HARMON STREET AND BOISE STREET

SPECIFICATION NO. 17-11110-C



— CONSTRUCTION AREA

ATTACHMENT 2



City of Berkeley
Abstract of Bid Worksheet

Finance Department
General Services Division

FOR: Virginia Murray E+AL Sewer Rehab

Spec. # 17-1110-C

Bid Date: 02/16/17

	Bidders	Base Bid	Nuc Free	Work Force Comp	Opp. States	Living Wage	EBO	Bid Bond	Addenda
1	Ranger Pipelines	3,808,731.50	/		/		/	/	/
2	Pacific Shovelers	4,381,149.00	/		/		/	/	/
3	Cratus Inc.	3,876,771.00	/		/		/	/	/
4	Acules Construction	3,701,209.00	/		/		/	/	/
5									
6									
7									
8									
9									
10									

Bid Recorder: *DeLankenshij 02/16/17*

Bid Opener: *[Signature]* 2/16/17

Project Manager: *Adadi Genane*