



Office of the City Manager

CONSENT CALENDAR
April 28, 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: Andes Construction, Inc. for Sanitary Sewer Rehabilitation at West Frontage Road Crossing Interstate 80 Project

RECOMMENDATION

Adopt a Resolution approving plans and specifications for the Sanitary Sewer Rehabilitation at West Frontage Road Crossing Interstate 80 Project; 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 \$556,292, which includes a 10% contingency of \$50,572.

FISCAL IMPACTS OF RECOMMENDATION

Funding is available in the FY 2020 Sanitary Sewer Fund 611-54-623-676-0000-000-473-665130-PWENSR2004.

Low bid by Andes	\$505,720
10% Contingency	\$50,572
Total construction cost	\$556,292

CURRENT SITUATION AND ITS EFFECTS

An Invitation for Bids (Specification. No. 20-11396-C) was released on March 11, 2020 and six non-local bids were received, ranging from a low of \$505,720 to a high of \$744,208 (Attachment 3, Bid Results). The engineer’s estimate for the project was \$575,000. Andes Construction, Inc. (Andes) of Oakland, California was the lowest responsive and responsible bidder with a bid of \$505,720. Previous work and references of Andes proved satisfactory, thus staff recommends award of the contract to Andes.

The Sanitary Sewer Rehabilitation at West Frontage Road Crossing Interstate 80 Project supports the City’s Strategic Plan goal 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 sixth year of the twenty-two-year Consent Decree program, which stipulates 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 at West Frontage Road and crosses under Interstate 80 just south of the University Avenue overcrossing as shown on the Location Map (Attachment 2). The sanitary sewer collection system in this area needs immediate rehabilitation to prevent pipe failures on the frontage road and under Interstate 80, 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 894 linear feet sanitary sewer mains varying in size from 16-inch to 18-inch diameter; maintenance hole rehabilitation; freeway off-ramp closure with traffic control; 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 method. This trenchless method allows replacement of pipelines buried below street level without the need for a traditional open trench construction. This method of pulling a new high-density polyethylene pipe (HDPE) through the existing cast-iron pipe with a cone-shaped hammerhead to "burst" the surrounding clay pipe, allows for cost savings, and avoids 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. Andes has submitted a Certification of Compliance with the Equal Benefits Ordinance. The

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

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.

ENVIRONMENTAL SUSTAINABILITY

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.

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 23,200 linear feet of replaced or rehabilitated sewer through the end of FY 2020 on 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 infiltration and inflows, sanitary sewer leakages, and backup problems in the sanitary sewer system.

CONTACT PERSON

Joe Enke, Acting Manager of Engineering, Public Works, (510) 981-6411
Daniel Akagi, Supervising Civil Engineer, Public Works, (510) 981-6394
Tiffany Pham, Associate Civil Engineer, Public Works, (510) 981-6427

Attachments:

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

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

CONTRACT: ANDES CONSTRUCTION, INC. FOR SANITARY SEWER
REHABILITATION – WEST FRONTAGE ROAD CROSSING INTERSTATE 80
PROJECT

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 and Replacement Project and other urgent/emergent sewer repairs; and

WHEREAS, on March 11, 2020 the City released an Invitation for Bids (Specification No. 20-11396-C) for sanitary sewer rehabilitation and replacement; and

WHEREAS, the City received six bids, and Andes Construction, Inc. was found to be the lowest responsive and responsible bidder; and

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Berkeley that the Plans and Specifications No. 20-11396-C for the Sanitary Sewer Rehabilitation, West Frontage Road Crossing Interstate 80 Project are approved.

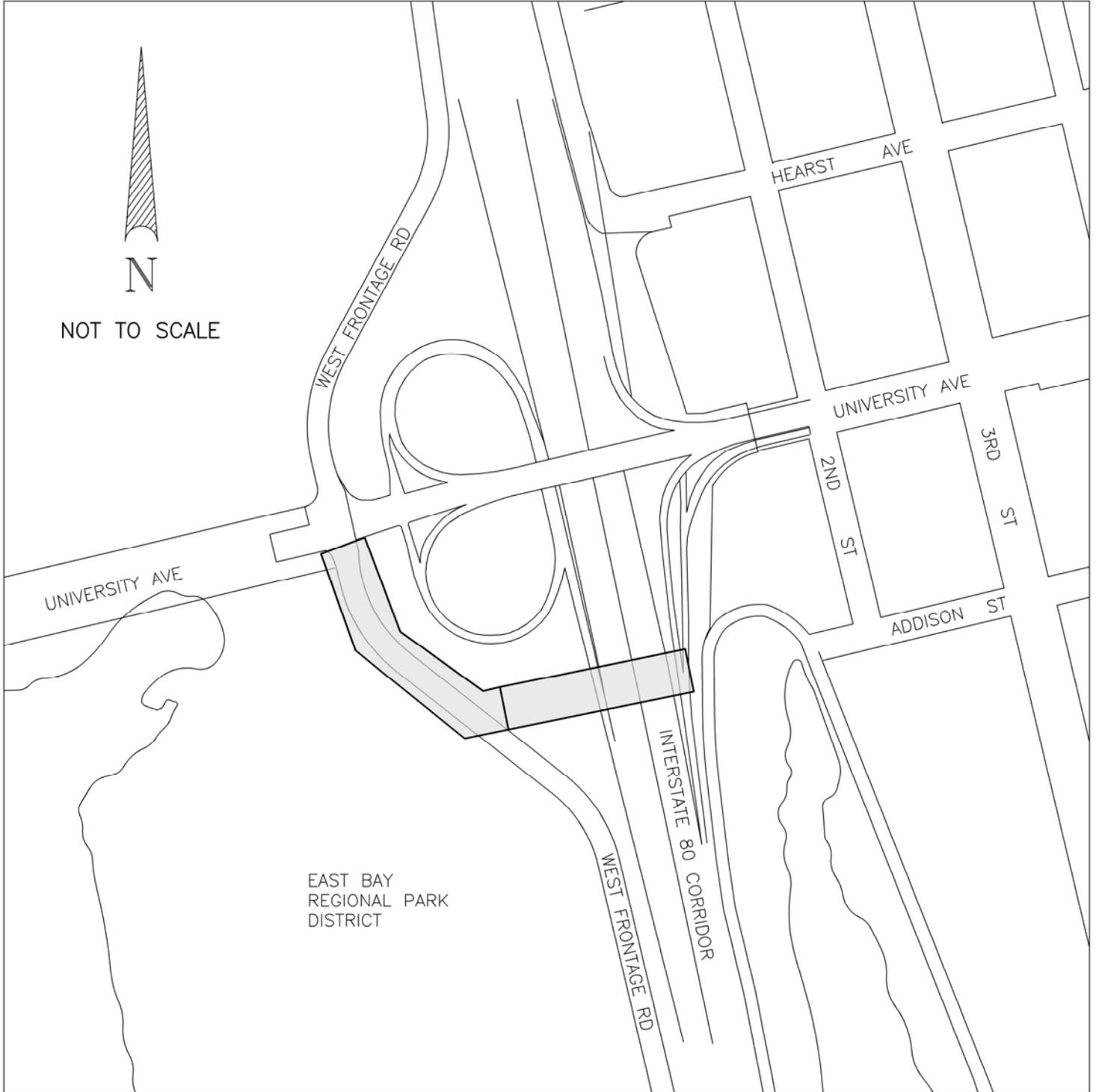
BE IT FURTHER RESOLVED that the Council of the City of Berkeley authorizes the City Manager to execute a contract and any amendments with Andes Construction, Inc., until completion of the project in accordance with the approved plans and specifications for the Sanitary Sewer Rehabilitation Project located on West Frontage Road crossing Interstate 80, in an amount not to exceed \$556,292 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.

LOCATION MAP

SANITARY SEWER REHABILITATION PROJECT

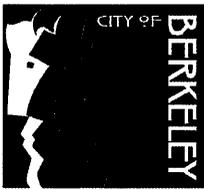
WEST FRONTAGE ROAD CROSSING INTERSTATE 80

SPECIFICATION NO. 20-11396-C



ATTACHMENT 2

 - CONSTRUCTION AREA



City of Berkeley
Abstract of Bid Worksheet

Finance Department
General Services Division

FOR: SANITARY SEWER REHAB
W. FRONTAGE RD. CROSSING @ I80

Spec. # 20-11396-C

Bid Date: 3/31/20

	Bidders	Base Bid	Alt. #1	TOTAL	Alt. #2	TOTAL	Bid Bond	Addenda	LW	WF	EBO	OS	NF
1	Pacific Trachless	520,960	4,145	525,105			✓	S			✓	✓	✓
2	Cratus	718,464	20,000	738,464			✓	S			✓	✓	✓
3	DARCY & HARTY	521,400	8,000	529,400			✓	S			✓	✓	✓
4	BMV Pacific PIPELINES	739,208	5,000	744,208			✓	S			✓	✓	✓
5	EXPRESS Plumbing		25,000	583,424			✓	S			✓	✓	✓
6	ANDES	504,720	1,000	505,720			✓	S			✓	✓	✓
7													
8													
9													
10													

Bid Recorder: HENRY OYEKANMI

Bid Opener: DJ ST PARRYC SWEET 3/31/20

Project Manager: David M. Kelly 31 MAR 2020