



STAFF REPORT

February 8, 2023

File Number 0600-10; A-3441

SUBJECT

TRUNK SEWER REPLACEMENT PROJECT: BID AWARD, CONSULTING AGREEMENTS, AND BUDGET ADJUSTMENT

DEPARTMENT

Utilities Department, Construction and Engineering Division

RECOMMENDATION

Request the City Council take the following actions:

- 1) Adopt Resolution No. 2023-12, authorizing the Mayor to execute a Public Improvement Agreement in the amount of \$8,482,904.64 with Southland Paving, Inc., the lowest responsive and responsible bidder, for construction of the Trunk Sewer Replacement Project (“Project”); and
- 2) Adopt Resolution No. 2023-13, authorizing the Mayor to execute a Consulting Agreement in the amount of \$1,402,240 with Arcadis U.S., Inc. for construction management services for the Project; and
- 3) Adopt Resolution No. 2023-14, authorizing the City Manager to execute a Consulting Agreement in the amount of \$155,560 with Infrastructure Engineering Corporation for engineering services during construction of the Project; and
- 4) Approve a Budget Adjustment in the amount of \$9,400,000.

Staff Recommendation: Approval (Utilities: Christopher W. McKinney)

Presenter: Angela Morrow, Deputy Director of Utilities, Construction and Engineering

FISCAL ANALYSIS

The Project, Capital Improvement Project (“CIP”) No. 801913, currently has funds available in the amount of \$5,630,187. A budget adjustment in the amount of \$9,400,000 is requested to fully fund the Project. The total budget for this CIP includes funding for the public improvement agreement for construction, public improvement agreement for construction related to the emergency project, consulting agreements, contingencies for the agreements, construction water, staff time, and other small low dollar value agreements for the Project that do not require Council approval. Any funds remaining after the Project is completed will be returned to the unallocated Wastewater Reserves.



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PREVIOUS ACTION

On June 5, 2019, the City Council adopted Resolution No. 2019-80, authorizing the Mayor and City Clerk to execute a consulting agreement with Infrastructure Engineering Corporation in the amount of \$298,630 for the design of the Trunk Sewer Replacement Project; and approved a budget adjustment in the amount of \$200,730.

On January 7, 2021, the City Manager approved a First Amendment to the Consulting Agreement with Infrastructure Engineering Corporation in the amount of \$51,458 for the design of the Trunk Sewer Replacement Project.

BACKGROUND

The City of Escondido's ("City") trunk sewer main is an integral part of the City's sewer infrastructure system. The pipeline was originally constructed in 1959, serving as the outfall that conveyed treated sewage from the City's wastewater treatment facility, which was previously located at the Public Works Yard. Once the Hale Avenue Resource Recovery Facility ("HARRF") was constructed, the outfall pipe was repurposed to serve as a trunk sewer main. The trunk sewer main consists of 24-inch and 27-inch reinforced concrete pipe, with short sections of asbestos cement pipe. The trunk sewer main currently conveys raw sewage from approximately 40 percent of the City to the HARRF. Extreme rain events over the past several years have further degraded the condition of the already aging pipeline and emergency action has been required to replace sections of the pipeline at imminent risk of failure.

The Project work will generally replace, upsize and realign approximately 5,000 linear feet of existing 24-inch, 27-inch and 39-inch diameter trunk sewer main via open trench construction with 30-inch and 36-inch diameter trunk sewer main; construct approximately 200 linear feet of 48-inch diameter casing with a 36-inch diameter sewer carrier pipe via trenchless construction; construct approximately 1,200 linear feet of 8-inch diameter sewer main; and construct approximately 100 linear feet of 24-inch diameter sewer main. The Project was originally intended to replace five remaining sections of the trunk sewer that have not been replaced as a part of past emergency projects. The segments are located between the HARRF and the intersection of Quince Street and Norlak Avenue and include:

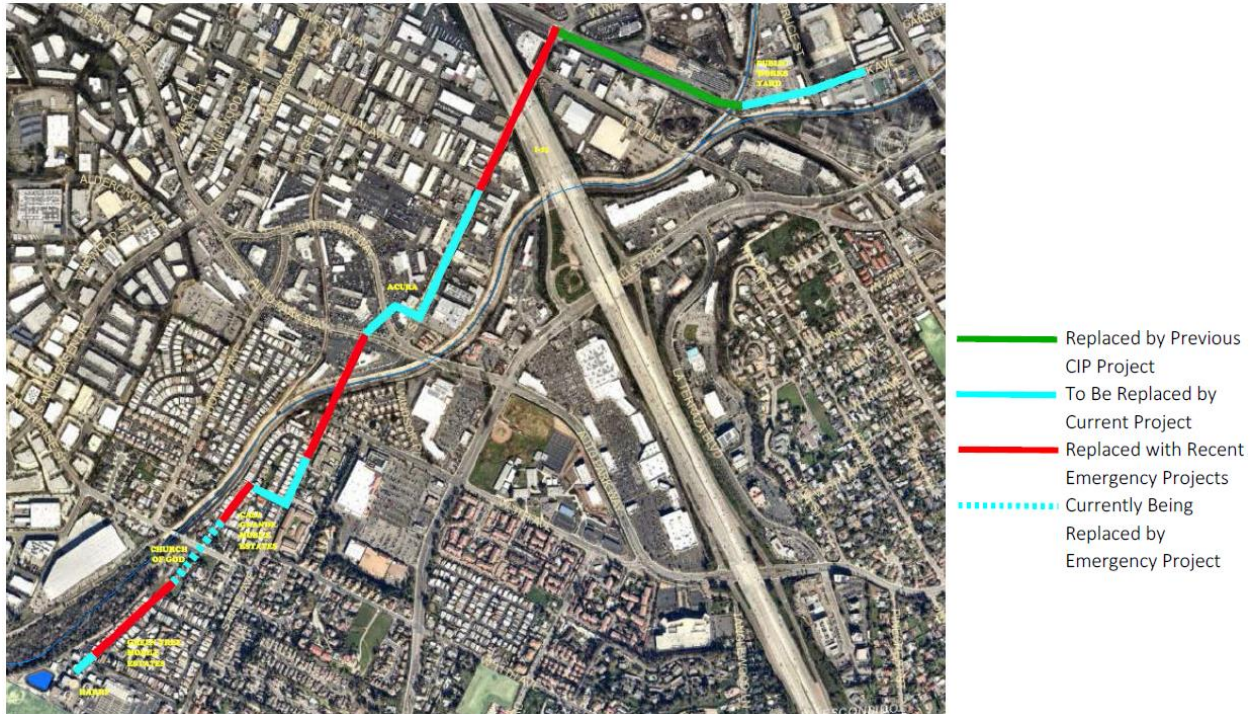
1. Section 1 - Approximately 1,100 linear feet ("LF") of pipeline in Norlak Avenue and through the existing Public Works Yard;
2. Section 2 - Approximately 2,300 LF of pipeline in North Hale Avenue between the intersection of North Hale Avenue & Industrial Avenue and South Auto Parkway;
3. Section 3 - Approximately 820 LF of pipeline in South Hale Avenue and within the Casa Grande Mobile Estates;
4. Section 4 - Approximately 700 LF of pipeline that runs from the Casa Grande Mobile Estates, across Harmony Grove Road, and within the Escondido Church of God property; and



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5. Section 5 - Approximately 90 LF of pipeline that runs from the Green Tree Mobile Estates to the connection point at the HARRF.



The Engineer's estimate for the Project was \$8,575,712.

Competitive bids were opened by the City Clerk on January 12, 2023, with the following results:

1. Southland Paving, Inc., Escondido, CA	\$8,482,904.64
2. CCL Contracting, Inc., Escondido, CA	\$8,981,735.00
3. Griffith Company, Brea, CA	\$9,690,777.00
4. S.C. Valley Engineering, Inc., El Cajon, CA	\$10,375,885.00
5. MNR Construction, Inc., La Verne, CA	\$10,810,140.00
6. J.W. Fowler, Dallas, OR	\$11,413,810.00
7. Burtech Pipeline, Inc., Encinitas, CA	\$13,557,020.00

Staff has thoroughly reviewed the low bid submitted by Southland Paving, Inc. and has determined that they are the lowest responsive and responsible bidder.

As a result of recent substantial rain events, on January 16, 2023, portions of the existing 27-inch trunk sewer pipeline in Section 4 were compromised. On January 17, 2023, pursuant to Chapter 7 of the



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Escondido Municipal Code, the City Manager serving as the Director of Emergency Services, proclaimed a local emergency in order to take actions necessary to preserve life and property. Pursuant to the terms of Government Code §8558, the City Manager acted to forego normal bidding procedures and executed a Public Improvement Agreement with Southland Paving, Inc., to perform the emergency work.

Several components of the emergency project overlap with the Trunk Sewer Replacement Project. It is anticipated that a deductive change order will be issued once construction of the Project commences to account for the portions being done as a part of the emergency project.

The Utilities Department recommends retaining Arcadis U.S., Inc., a third-party construction manager, to manage the Project under the supervision of City staff. Proposals were solicited from three firms specializing in management of wastewater pipeline construction. Arcadis U.S., Inc. was selected based on their extensive experience successfully managing similar wastewater main construction projects. The contract for construction management services includes:

- full time construction inspections;
- construction project coordination with the City, the community, and independent consultants;
- conducting construction meetings;
- managing construction documentation and record keeping;
- reviewing contractor's monthly progress payment requests and confirming that percentages and quantities of work completed align with the amounts requested for payment;
- facilitation of partnering sessions;
- geotechnical support and special inspection services, such as welding and material testing; and
- claim support.

The Utilities Department recommends retaining Infrastructure Engineering Corporation, Inc. to provide engineering services during the construction phase of this project. As the designer of record, Infrastructure Engineering Corporation has the required technical knowledge and expertise to provide these engineering services for the Project. The contract for engineering services includes:

- responding to contractor requests for information (RFI's);
- responding to design clarifications and changes;
- attending construction field meetings;
- reviewing and approving submittals and shop drawings;
- reviewing change order requests; and
- preparing record drawings.

RESOLUTIONS

- A. Resolution No. 2023-12
- B. Resolution No. 2023-12 – Exhibit "A": Bid Award Trunk Sewer Replacement Project



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- C. Resolution No. 2023-13
- D. Resolution No. 2023-13 - Exhibit "A": CM Services Trunk Sewer Replacement Project
- E. Resolution No. 2023-14
- F. Resolution No. 2023-14 - Exhibit "A": Engineering Services During Construction Trunk Sewer Replacement Project

ATTACHMENTS

- A. Attachment "1" – Budget Adjustment