

CITY OF SANTA ROSA  
BOARD OF PUBLIC UTILITIES

TO: BOARD OF PUBLIC UTILITIES  
FROM: RICHEL MAEDA, ASSOCIATE CIVIL ENGINEER  
CAPITAL PROJECTS ENGINEERING  
SUBJECT: AUTHORITY TO ISSUE DESIGN-BUILD REQUEST FOR  
PROPOSALS FOR THE LLANO TRUNK REHABILITATION  
PHASE 1

AGENDA ACTION: MOTION

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RECOMMENDATION

It is recommended by the Transportation and Public Works Department and the Water Department that the Board of Public Utilities, by motion, authorize the issuance of a Request for Proposals for the Design-Build procurement method for the Llano Trunk Rehabilitation Phase 1.

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EXECUTIVE SUMMARY

As part of the 2021 Sanitary Sewer Master Plan Update, engineering consulting firm Woodard and Curran inspected and assessed approximately 13 miles of large diameter trunk sewers that are part of the City's collection system to establish rehabilitation and replacement priorities. Nearing the end of its useful life and exhibiting a high risk of failure, sections of the Llano trunk were identified as the highest priority with a recommendation for rehabilitation within one to two years.

Utilization of a Design-Build (DB) delivery method could provide the City with the best-qualified DB entity and expedite project delivery through increased collaboration between the engineer, contractor, and City during the design and permitting phases.

BACKGROUND

The City of Santa Rosa (City) contracted with Woodard & Curran (W&C) in November 2019 to complete a Sanitary Sewer System Master Plan Update (Master Plan). As part of the Master Plan, W&C inspected and assessed approximately 13 miles of large diameter trunk sewers and 28 siphons in the City's system. These assessments and associated recommendations were submitted in the Final Inspection and Condition Assessment Report (Report) dated June 2021, as part of the Master Plan update. The trunk sewers were inspected via closed-circuit television (CCTV) and sonar. Each pipe

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section was assessed for structural defects, existing debris accumulation, instances of root intrusion, and observed infiltration. Pipe assessments ranged in condition from structurally satisfactory to structurally compromised. The Report established the remaining useful life of each pipe and prioritized the pipes for future rehabilitation projects. Trunk sewer manholes were also assessed as part of the Report.

The Llano Trunk Rehabilitation Phase 1 (Project) will rehabilitate approximately 7,500 feet of 66-inch trunk sewer and twelve trunk manholes located adjacent to Llano Road, and seven additional manholes located at the Laguna Treatment Plant. The Project will also require an approximately 16 million gallons per day sewer bypass system in order to construct said improvements.

This is Phase 1 of a larger programmatic plan to rehabilitate large diameter trunk sewers, as required to ensure continued service and to prevent costly and disruptive emergency repairs.

#### PRIOR BOARD OF PUBLIC UTILITIES REVIEW

On November 21, 2020, the Board of Public Utilities, by motion, approved Project Work Order No. A010215-2017-05 with Woodard and Curran, to provide professional engineering services for Temporary Sewer Flow Monitoring, Sewer Inspection and Condition Assessment, Sanitary Sewer System Master Plan Update, and Ongoing Sewer System Modeling in the amount not to exceed \$2,133,308.

#### ANALYSIS

In January 2014, the City Council adopted Ordinance 4021, which established regulations for the award, use, and evaluation of DB contracts. Pursuant to City Code Section 3-60.130, prior to issuing a DB Request for Proposals (RFP) for a major contract, the Department shall obtain approval of the City Council, or if applicable the Board of Public Utilities, to determine that the use of a DB procurement is in the best interest of the City.

A DB contract is an alternative contracting method in which a single DB entity both designs and builds a project. Since there is a single point of contact from project initiation, this method allows for enhanced upfront collaboration between the City, designer, and contractor. This coordination can reduce project unknowns and lead to a more buildable project that meets the City's objectives. The proposed procurement method will follow City Code Section 3-60 and utilize a two-step selection process. A two-step selection process allows for the prequalification of DB firms through a Request for Qualifications (RFQ) followed by an RFP process with only those firms deemed qualified from the RFQ phase. Performance objectives established for this project include, but are not limited to:

1. Rehabilitate regional critical infrastructure
2. Maintain essential services to protect public health and the environment
3. Maintain uninterrupted wastewater flows to the Regional Reuse System

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A selection committee will review and rank DB firms based on the evaluation criteria outlined in City Code Section 3-60.120. Upon completion of the evaluation process, the selection committee will make a recommendation to the Board to award the DB contract to the DB entity who is judged as providing the best value, meeting the interest of the City, and achieving the objectives of the project. A request to award a DB contract will be presented to the Board at a later date.

FISCAL IMPACT

Approval of using DB for the Project has no additional fiscal impact. The Engineer's Estimate for Llano Trunk Rehabilitation Phase 1 is \$12,900,000. Funds for this project were previously appropriated in Santa Rosa Water's Capital Improvement Program Budget.

ENVIRONMENTAL IMPACT

This action is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15302(c), replacement or reconstruction of existing utility systems and/or facilities involving negligible or no expansion of capacity.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

Not Applicable.

ATTACHMENTS

- Attachment 1 – Location Map

CONTACT

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