

## STAFF REPORT

Meeting Type: Board of Directors

Title: Edwards Avenue Pipeline Replacement Project (D24028)

From: Alex Anaya, Director of Engineering

**Through:** Ben Horenstein, General Manager

Meeting Date: April 30, 2024

TYPE OF ACTION: X Action Information Review and Refer

**RECOMMENDATION**: Authorize the General Manager to execute a reimbursement agreement between the City of Sausalito and Marin Municipal Water District for the Edwards Avenue Pipeline Replacement Project in an amount not-to-exceed of \$556,794

**SUMMARY:** The District and the City of Sausalito are jointly pursuing a road and water infrastructure improvement project along Edwards Avenue to be administered by the City as part of the City's Edwards Avenue Roadway Improvement Project (Project). The Project includes concrete and asphalt pavement upgrades to Edwards Avenue and installation of approximately 920 linear feet of new 8-inch water pipeline with new water service laterals. The City will administer the construction contract with the District inspecting the pipeline portion of the Project. The mechanism of payment for this joint Project is a reimbursement agreement between the City of Sausalito and the District in which the District will reimburse the City for all District pipeline installation costs.

**DISCUSSION:** In February of this year, the City of Sausalito began a sewer and roadway improvement project on Edwards Avenue and contacted the District after several water service laterals began failing due to minor construction potholing activities. District staff investigated the water services within the City's project limits and determined at least 32 services were shallow buried, polybutylene services.

Polybutylene services are a frequent cause of leaks within the District's water infrastructure because polybutylene material becomes brittle with age and breaks down over time when exposed to oxidants such as chlorine. After multiple decades in service, vibrations from construction activities and even vehicular traffic can become a common mode of polybutylene service lateral failure. The City's remaining roadway improvements on Edwards Avenue have a high probability of causing more leaks requiring District staff to administer further repairs.

Staff compared two alternative permanent solutions for Edwards Avenue: (1) install new services on the existing 1973 cast iron pipe, or (2) install new mainline pipe with new services. Installing 32 new

services on 51 year old, leak prone, cast iron pipe is considered a risk due to the probability of mainline cracking failure during the service lateral tapping installation process. Therefor staff recommends to install a new mainline pipe due to the seismic reliability and longevity of welded steel pipe. Staff proposed this solution to the City of Sausalito. The City was able to negotiate a contract amendment for the proposal to replace both the water main and services as part of the City's existing roadway and sewer replacement project and has worked with District staff to prepare a reimbursement agreement in order to proceed with the work in a timely and efficient manner with the least amount of disruption to the residents.

The scope of work for the Edwards Avenue Pipeline Replacement Project includes the installation of approximately 920 linear feet of new 8-inch welded steel pipe with new service laterals, valves and appurtenances, all within the City's roadway project. The City obtained a proposal to incorporate the work into the City's existing roadway and sewer line replacement project in the amount of \$481,794 from the City's contractor. District staff has evaluated the proposal and determined the costs to be in line with similar projects and of good value to the District.

Staff recommends working jointly with the City to complete this pipeline replacement and entering into a reimbursement agreement for the work. The City will continue to administer the construction contract with District staff inspecting and managing the pipeline portion of the Project. The mechanism of payment for this joint Project is a reimbursement agreement between the City of Sausalito and the District in which the District will reimburse the City for all District pipeline installation costs. District staff, has worked collaboratively with City staff to develop a reimbursement agreement that will meet the needs of the District and the City regarding administration and allocation of project costs. The proposed reimbursement agreement is included at Attachment 1. Staff recommends that the Board of Directors authorize the General Manager to execute a reimbursement agreement, in substantially the form attached at Attachment 1, between the City of Sausalito and Marin Municipal Water District for the Edwards Avenue Pipeline Replacement Project for \$481,794.00 with a contingency of \$72,000, to include up to \$3,000 for City's legal fees incurred in the negotiation and drafting of the necessary contract documents, for a total not-to-exceed amount of \$556,794.

## **Budget:**

Pipeline Project Proposal: \$481,794
Pipeline Project Contingency (15%): \$72,000
City Legal Fees \$3,000
Total MA Budget \$556,794

Materials Fees: \$45,000
District Labor/Inspection: \$70,000
Total Budget: \$671,794
Budget Category: A1A02A

**ENVIRONMENTAL REVIEW:** The Director of Engineering has found that the Project is Categorically Exempt pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15302(c), Replacement or Reconstruction and statutorily exempt under 21080.21 Pipelines less than one mile. The Project qualifies for exempt pursuant to Section 15302(c) inasmuch as it is the replacement of existing water pipeline involving negligible or no expansion of capacity and statutorily exempt pursuant to Section 21080.21 since this pipeline replaces less than one mile of pipe.

**FISCAL IMPACT:** The total cost to complete the Edwards Avenue Pipeline Replacement Project is estimated at \$671,794. This project is not identified in the District's Fiscal Year 2023/24 and 2024/25 Adopted Budget and will require a transfer of funds from the Tiburon Pipeline Replacement Project and Service Laterals Renewals within Fund Center A1A02A – Distribution Pipelines.

## ATTACHMENT(S):

- 1. Proposed Reimbursement Agreement with the City of Sausalito
- 2. Site Map
- 3. Draft Notice of Exemption

DEPARTMENT OR DIVISION	DIVISION MANAGER	APPROVED
Engineering	Alap As	De Harante.n
	Alex Anaya Engineering Director	Ben Horenstein General Manager