File #: 20-2543, **Version:** 1

Yountville Town Council Staff Report

DATE: May 5, 2020

TO: Mayor and Town Council

FROM: Joe Tagliaboschi, Public Works Director, Erica Teagarden, Management Analyst

TITLE

Adopt Resolution Number 20-3981 Awarding the Bid for the 2020 Sewer Main and Lateral Repairs Project (WW-2020 and WW-3020), Approving a Construction Contract with Robotic Sewer Solutions, Inc. for an amount not to exceed $84,000, and Authorizing the Town Manager to execute the construction contract.

DISCUSSION/BACKGROUND

At the June 17, 2019 Town Council meeting, Council approved the 2019-20 Capital Improvement Plan with WW-2020 and WW-3020 which included the Inflow and Infiltration Reduction Program and the Sewer Main Replacement and Repair Program, respectively.

As allowed under State purchasing guidelines and Town Municipal Code 3.32.200 for Cooperative purchasing with other agencies. This agreement is “piggy-backed” on the existing Napa Sanitation agreement with Robotic Sewer Solutions, Inc. The “Piggy-Backing” policy allows for the use of a competitive bid to be used by other agencies. This is a great tool to get the competitive bid pricing and saving considerable staff time and resources. This is an efficient and effective method to contract out work that has met competitive bidding requirements.

The Inflow and Infiltration Reduction Program (WW-2020) reduces the infiltration of groundwater into the sewer collection system from inline pipe leaks resulting in a reduced need for treating and pumping of sewage and helps to reduce the risk of system overflows and the release of untreated sewage in winter months.

The Sewer Main Replacement and Repair Program (WW-3020) is part of the Town’s ongoing program for the routine replacement of its nearly 45,000 feet of sewer main. Replacing and repairing the existing sewer collection system reduces the potential for clogged pipes and/or system overflow and ensures the wastewater collection system is free of leaks and in compliance with state and federal regulations.

Over the last few years, the Town has employed a method of repair known as “slip-lining”. This type of rehabilitation seals any cracks or holes in the host pipe by inserting a flexible PVC pipe within the existing pipe. Once the liner is inserted, the lateral pipes that connect to each building are then re-instated by use of a camera and remote cutter to cut a hole in the liner to allow sewer service to continue. This method also eliminates any street excavation normally associated with sewer main replacement. The slip lining process re-sets the service life clock of the sewer mainline back to the 50-year lifespan estimate.

The rehabilitation method described above had not previously accounted for the sealing of the connection of the lateral to the sewer main. Technology and equipment innovations have improved to create a method to seal this connection. A repair commonly known as a “top hat” seals the host pipe as well as a short section of the sewer lateral that creates a smooth watertight seal to keep unwanted water and/or roots from entering the previously unsealed connection.

There are approximately eighty-eight (88) sewer laterals that are proposed for this rehabilitation process. After which, sections of sewer main that are “slip-lined” in the future, will have this method included as part of the project.

The combined WW-2020 and WW-3020 budget is $154,760. The contracted work is not to exceed $84,000 which is well within the budgeted amount.

Staff recommends that Council award the bid for the 2020 Sewer Main and Lateral Repairs Project (WW-2020 and WW-3020) and approve a construction contract with Robotic Sewer Solutions, Inc for an amount not to exceed $84,000, and authorize the Town Manager to execute the construction contract.

ENVIRONMENTAL REVIEW

Categorically Exempt per California Environmental Quality Act (CEQA) Guideline; Class 2, Replacement or Reconstruction.

FISCAL IMPACT

Is there a Fiscal Impact? Yes

Is it Currently Budgeted? Yes

Where is it Budgeted? Sewer Collections Enterprise Fund Capital Projects (WW-2020 Inflow and Infiltration Reduction Program, WW-3020 Sewer Main Replacement Program).

Is it Mandatory or Discretionary? Discretionary

Is there a Staff Resource Impact? Nominal

STRATEGIC PLAN GOAL

Is item Identified in Strategic Plan? Yes

If yes, Identify Strategic Goal and Objective. **Responsible Fiscal Policy:** The Town maintains its fiscal health through policies designed to maximize economic opportunities, manage expenses, and ensure prudent reserves.

Briefly Explain Relationship to Strategic Plan Goal and Objective. It is sound fiscal policy to plan for and replace aging utility infrastructure. In addition, the National Pollution Elimination Discharge System (NPDES) permit to operate this utility requires these capital expenditures at a minimum to continue the permit with the Department of Water Resources.

ALTERNATIVES

Receive staff report.
Offer alternatives to staff recommendation.
Reject the bid and ask staff to resolicit the request for bids.

RECOMMENDATION

Adopt Resolution Number 20-3981 Awarding the Bid for the 2020 Sewer Main and Lateral Repairs Project (WW-2020 and WW-3020), Approving a Construction Contract with Robotic Sewer Solutions, Inc. for an

amount not to exceed $84,000, and Authorizing the Town Manager to execute the construction contract.