



CITY COUNCIL STAFF REPORT

MEETING DATE: October 23, 2023

ITEM TITLE: Adopt a Resolution Awarding the 2024 Sewer System Root Foaming Project C1752; Authorizing the City Manager to Execute a Public Projects Agreement with Duke's Root Control, Inc. of Elgin, Illinois in the Amount of \$150,678.45; and Authorizing the Expenditure of Contingency up to the Project Budget.

RECOMMENDATION:

Staff recommends that the City Council adopt a Resolution awarding the 2024 Sewer System Root Foaming Project C1752 ("Project"); authorizing the City Manager to execute a public projects agreement with Duke's Root Control, Inc. of Elgin, Illinois in the amount of \$150,678.45; and authorizing the expenditure of contingency up to the Project budget.

FISCAL IMPLICATIONS:

There are no fiscal impacts and no additional appropriations are needed at this time.

Funding for the Project comes from C1752 which has an available budget of \$174,765 for fiscal year 2023-24. There is sufficient budget to award the Project for the total bid amount of \$150,678.45 and contingency up to the Project budget.

BACKGROUND:

In the past, the City's maintenance staff managed the root control program on an as-needed basis. The City's engineering staff now manages the root control program to address the large number of sewer mains with root intrusion and to coordinate repairs with the future annual sewer rehabilitation projects.

Sewer line rehabilitation and replacement are still the City's primary means of repairing sewer line defects, but the use of chemical root control can be effective in reducing and preventing root defects until the complete repair or replacement of the pipe is scheduled. Root intrusion inside sanitary sewer mains is a significant cause of sanitary sewer overflows (SSOs) in San Carlos, causing approximately 25 to 30 percent of SSOs annually.

Root foaming efforts help to minimize and prevent SSOs in the sewer system. Prioritization of sewer lines is determined by the specific sewer basin, the number of root defects as identified by closed circuit television inspections, and the number of blockages caused by roots as indicated by maintenance history and maintenance staff.

The chemical used for root treatment has been approved by the Environmental Protection Agency (EPA) and Silicon Valley Clean Water. In addition, the chemical is non-toxic and does not require

the removal of trees, nor does it impair the health of the trees.

ANALYSIS:

For the Project, staff identified Basin 16 for root control treatment due to its maintenance history.

The City Engineer signed the final bid set construction documents on August 14, 2023, and the City Council approved the construction documents at its September 11, 2023 meeting.

On September 12, 2023, the City advertised for bids for construction of the Project and bids were opened on October 3, 2023. One bid was received with the following results:

<u>Contractor</u>	<u>Bid Amount</u>
Engineer's Estimate	\$126,829.50
Duke's Root Control, Inc	\$150,678.45

The lowest responsible and responsive bid was submitted by Duke's Root Control, Inc. in the amount of \$150,678.45. After bid evaluation, staff recommends awarding the contract to Duke's Root Control, Inc. The receipt of only one bid is attributed to the City's requirement of a non-toxic and EPA approved chemical agent for treatment.

ALTERNATIVES:

The alternatives available to the City Council include:

1. Adopt a Resolution awarding the 2024 Sewer System Root Foaming Project C1752; authorizing the City Manager to execute a public projects agreement with Duke's Root Control, Inc. of Elgin, Illinois in the amount of \$150,678.45; and authorizing the expenditure of a contingency up to the Project budget; or
2. Do not adopt the Resolution; or
3. Provide staff with alternative direction.

Respectfully submitted by:

Steven Machida, Public Works Director

Approved for submission by:



Jeff Maltbie, City Manager

ATTACHMENT(S):

1. Resolution