

STAFF REPORT

Date: July 24, 2024

To: Mayor and City Council

Through: Jackie Bryant, Interim City Manager

Subject: Staff Report (For Possible Action): Award of Contract to Insituform Technologies, LLC for the 2024 Sewer Cured-In-Place Pipe (CIPP) Rehabilitation Project in an amount not to exceed \$3,080,070. (Sewer Fund)

From: Jonathan Smith, Senior Civil Engineer

Department: Public Works

Summary:

The 2024 Sewer Cured-In-Place (CIPP) Rehabilitation Project will rehabilitate sanitary sewer main in five (5) areas located near Raleigh Heights, East University, Sutro south of Interstate 80 (I-80), North Yori, and the Lakeside area near Plumas Street and McCarran Boulevard. These areas have sanitary sewer and storm drain mains that have been identified as high priority for rehabilitation due to their age and condition. This contract with Insituform Technologies, LLC for the 2024 Sewer CIPP Rehabilitation Project includes all the necessary work to rehabilitate 30,368 linear feet of sanitary sewer and storm drain mains ranging in size from 8-inches to 12-inches in diameter, and the installation of nine (9) new manholes. Insituform Technologies, LLC submitted the best bid pursuant to the requirements established in Nevada Revised Statutes (NRS) Chapter 338 in the amount of \$3,080,070 which includes a contingency. The project is included in the City's Capital Improvement Plan (CIP) budget for fiscal year (FY) 24. Staff recommends Council award the contract to Insituform Technologies, LLC.

Consent Review	Yes	No
1. Is this item an annual or standard item that comes before Council for regular approval?	X	
2. Is this item an agreement required based on an item previously approved by Council?		X
3. Is this item included in the current budget approved and adopted by Council?	X	
Other Considerations		
What percent of the total City budget does this item represent?	0.35%	

Alignment with Strategic Plan:

Infrastructure, Climate Change, and Environmental Sustainability

Previous Council Action:

March 13, 2024 – Council approved the Consultant Agreement with Consor North America, Inc. for engineering support and construction administration and inspection services for the 2024 Sewer CIPP Rehabilitation Project in an amount not to exceed \$276,528. (Sewer Fund)

Background:

The City has adopted the National Association of Sewer Service Companies (NASSCO) Pipeline Assessment Certification Program (PACP) to score the City's sewer pipes. The PACP provides a standardized system for assessing and coding the condition of sewer pipes based on visual inspections, typically performed using closed-circuit television (CCTV). A sewer condition rating is assigned based on the factors that impact the operation and maintenance and physical integrity of the pipe. The overall condition score of the sewer pipe is determined by the highest score among the identified defects. For instance, if a pipe has multiple defects, the most severe defect score will dictate the overall condition rating. The condition rating ranges from one (1) to five (5) with 1 being the best condition and 5 being the poorest condition. The majority of the sanitary sewer main for this project have a sewer condition rating of 4 and 5.

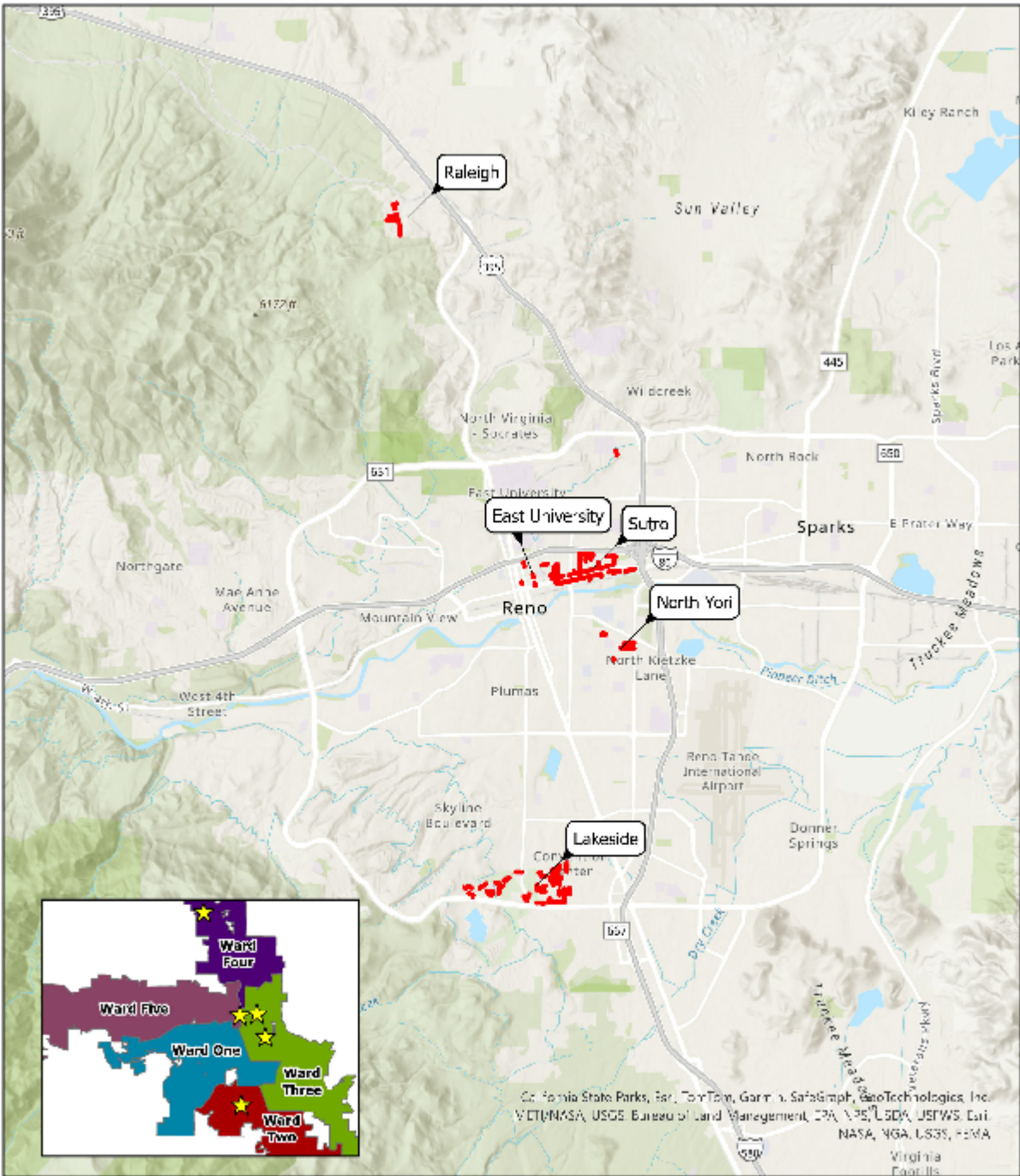
Discussion:

The 2024 Sewer CIPP Rehabilitation Project was designed with in-house engineering staff and the project primarily consists of CIPP lining of approximately 30,368 linear feet (5.75 miles) of sewer mains from 8-inches to 12-inches in diameter within the City. In addition, this project includes the installation of nine (9) new manholes.

The majority of the sewer main that will be lined with this project was installed in the 1960s and 1970s and are reaching the end of their design life. CIPP rehabilitation was chosen as an alternative to traditional excavation methods to minimize the impact on the community. Many of the sewer mains being rehabbed are in the backyards of properties and replacement would be very expensive and impactful to the public if the sewer main failed. Lining these pipes with CIPP will potentially add an additional 50 to 75 years of service.

The 2024 Sewer CIPP Rehabilitation Project will line sewer mains in five areas around the City of Reno. The five sewer rehabilitation areas include Raleigh Heights, East University, Sutro south of I-80, North Yori, and Lakeside near Plumas Street and McCarran Boulevard. The location maps show the sewer mains that will be lined in red. The green lines are the existing surrounding sewer mains.

Vicinity Map



City of Reno
Department of Public Works
1 E. First Street
Reno, NV 89501

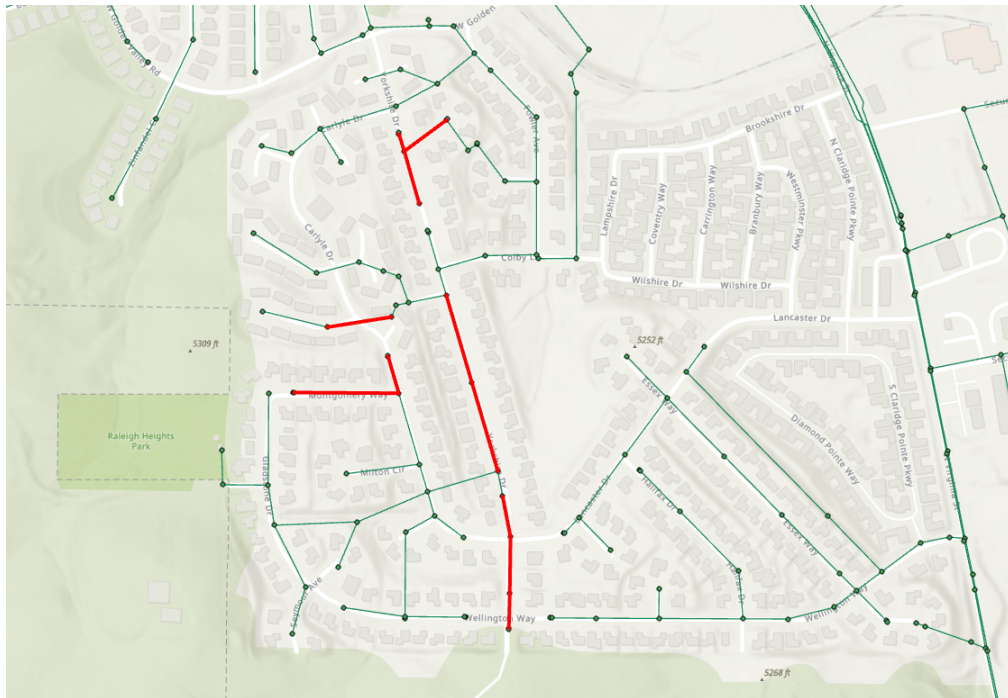
2024 Sewer CIPP Rehab Project

VICINITY MAP

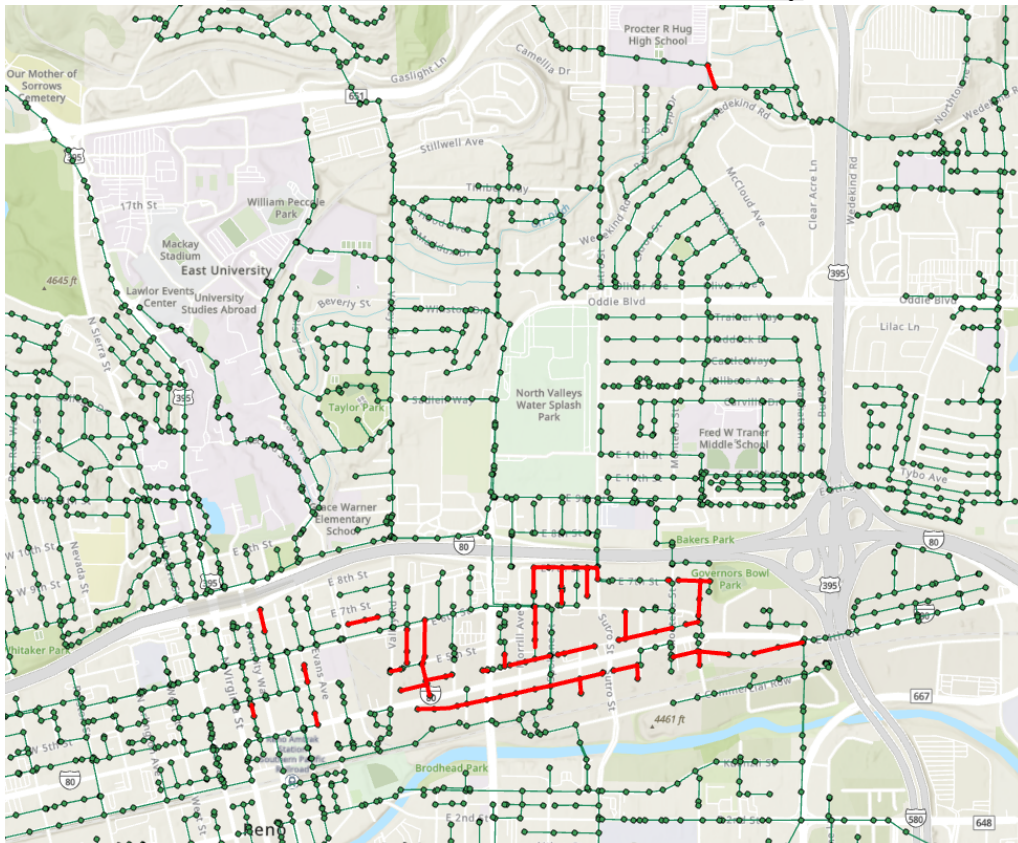
Date: June 2024

The information hereon is
approximate and is intended
for display purposes only.

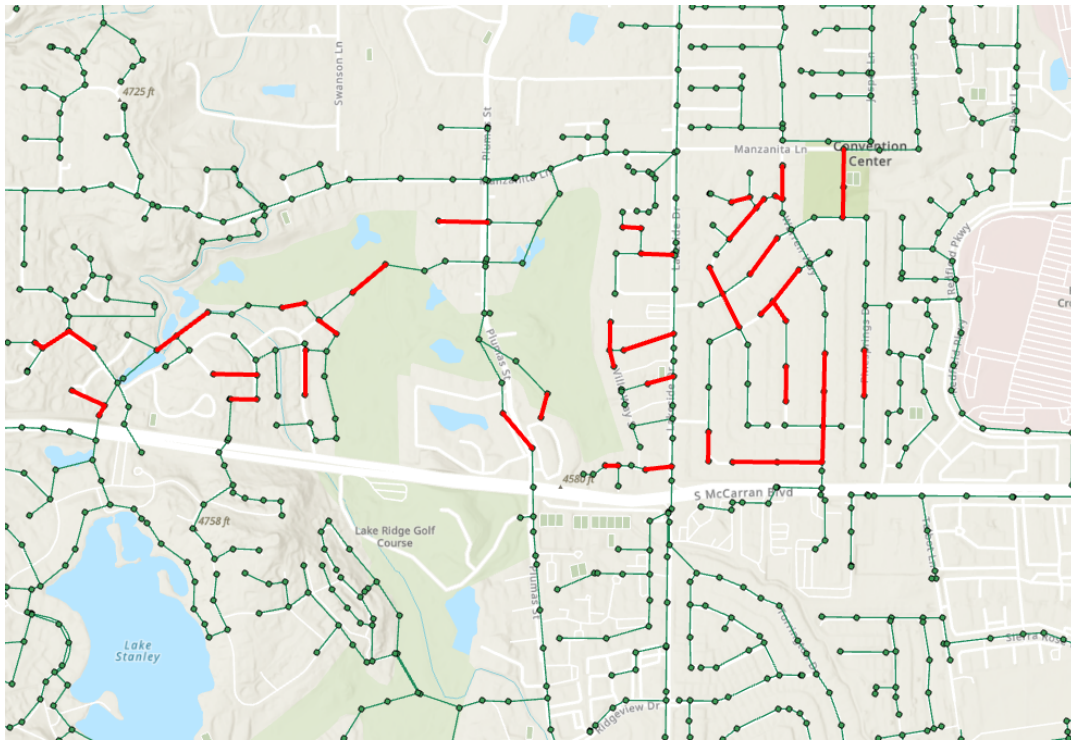
Location 1: Raleigh Heights



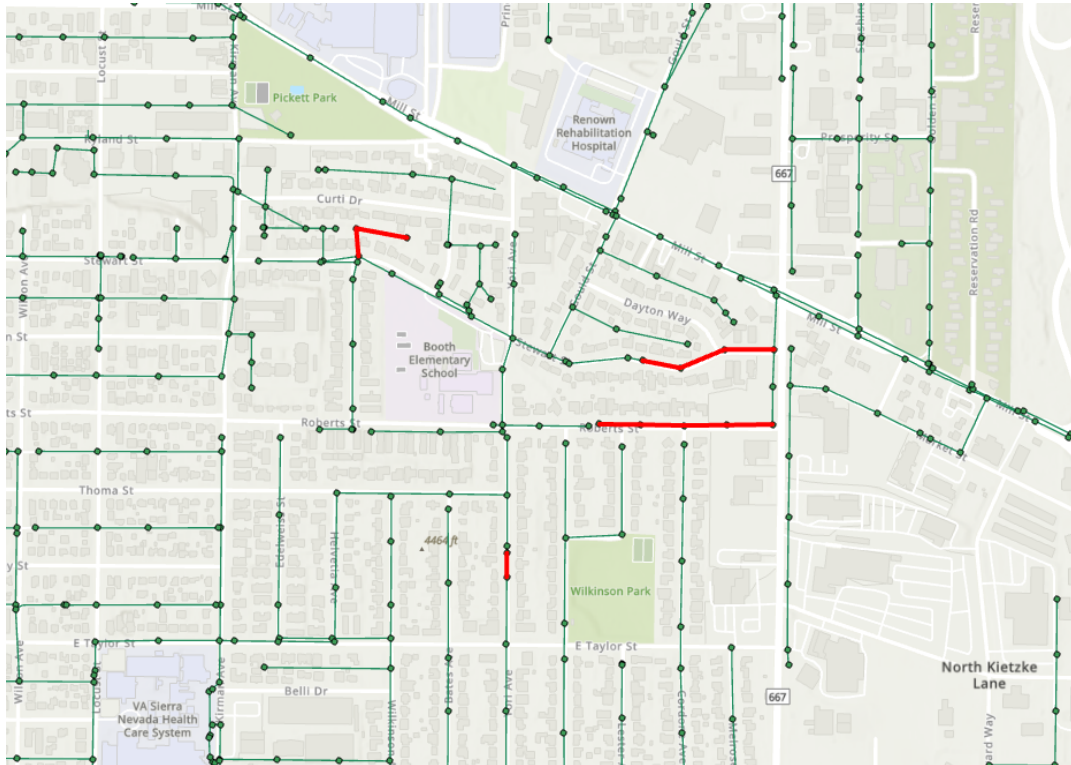
Location 2 & 3: Sutro and East University



Location 4: Lakeside Drive



Location 5: N. Yori



Staff conducted a public bid for the 2024 Sewer CIPP Rehabilitation Project and opened one bid on May 30, 2024. Insituform Technologies, LLC submitted the best bid pursuant to the requirements established in Chapter 338 of the NRS.

Insituform Technologies, LLC is a general contractor licensed in Nevada, and they successfully completed the 2023 Sewer CIPP Rehabilitation Project in the winter of 2023.

Table 1 – Bid Summary

2024 Sewer CIPP Rehabilitation Project	Engineer's Estimate	Bidder #1: Insituform Technologies, LLC
Total Bid	\$2,035,454	\$2,880,070

The Engineer's estimate is based on bid prices from previous CIPP projects; however, the cost of resin for CIPP has gone up significantly, contributing to the disparity between the estimate and current bid prices. The consequences of not awarding this bid today will result in further deterioration and potential failure of sewer and storm drain mains.

Staff recommends Council award the contract to Insituform Technologies, LLC in an amount not to exceed \$3,080,070, which includes a \$200,000 contingency for unforeseen items encountered during construction.

Table 2 – Recommended Bid Award

CIPP Base Bid	\$2,880,070
Contingency	\$200,000
Bid Award	\$3,080,070

Financial Implications:

This project is included in the FY 23/24 CIP and funds are available in the Sewer Fund.

Legal Implications:

This contract was competitively bid in accordance with Chapter 338 of the NRS. NRS 338.147 provides that a local government shall award a contract for a public work for which the estimated cost exceeds \$250,000 to the contractor who submits the best bid pursuant to the requirements of the chapter. Insituform Technologies, LLC maintains the proper license to perform the project and submitted the best bid pursuant to state Law.

Recommendation:

Staff recommends Council award the contract for the 2024 Sewer CIPP Rehabilitation Project to Insituform Technologies, LLC in an amount not to exceed \$3,080,070, and authorize the Mayor to sign the Contract.

Proposed Motion:

I move to approve staff recommendation.

Attachments:

ITI_Construction_Contract_SR