

## STAFF REPORT

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**Date:** April 26, 2023

**To:** Mayor and City Council

**Thru:** Doug Thornley, City Manager

**Subject:** Staff Report (For Possible Action): Award of Contract to Insituform Technologies, LLC, for the 2023 Sewer Cured-In-Place Pipe (CIPP) Rehabilitation Project in an amount not to exceed \$3,141,771.75. (Sewer Fund)

**From:** Jonathan Smith, Senior Civil Engineer

**Department:** Public Works

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### **Summary:**

The 2023 Sewer CIPP Rehabilitation Project will rehabilitate sanitary sewer main in three areas located near South Yori in Southeast Reno, Thomas Jefferson in Southwest Reno, and Moana Lane near Baker Lane. These areas have sanitary sewer mains and storm drains that have been identified as high priority for rehabilitation or replacement due to their age and condition. This contract with Insituform Technologies, LLC, for the 2023 Sewer CIPP Rehabilitation Project primarily consists of CIPP lining of approximately 53,299 linear feet (10.1 miles) 8-inch to 12-inch diameter sewer mains within the City. Insituform Technologies, LLC submitted the best bid in the amount of \$3,141,771.75 which includes a contingency. This project is included in the City's Capital Improvement plan (CIP) budget for FY 22/23. Staff recommends Council award the contract to Insituform Technologies, LLC.

### **Alignment with Strategic Plan:**

Infrastructure, Climate Change, and Environmental Sustainability

### **Previous Council Action:**

There is no recent Council action relevant to this item.

### **Background:**

In conjunction with the 2014 and 2021 Sewer Interceptor Condition Assessment report, City of Reno staff reviews the condition of all the City's sewer mains and interceptors. A sewer condition rating is assigned to all the City's critical lines and interceptors and given a sewer assessment score of 1 to 5 with 1 being the best condition and 5 the poorest condition. The majority of the sanitary sewer main for this project have a sewer assessment score

of 4 and 5.

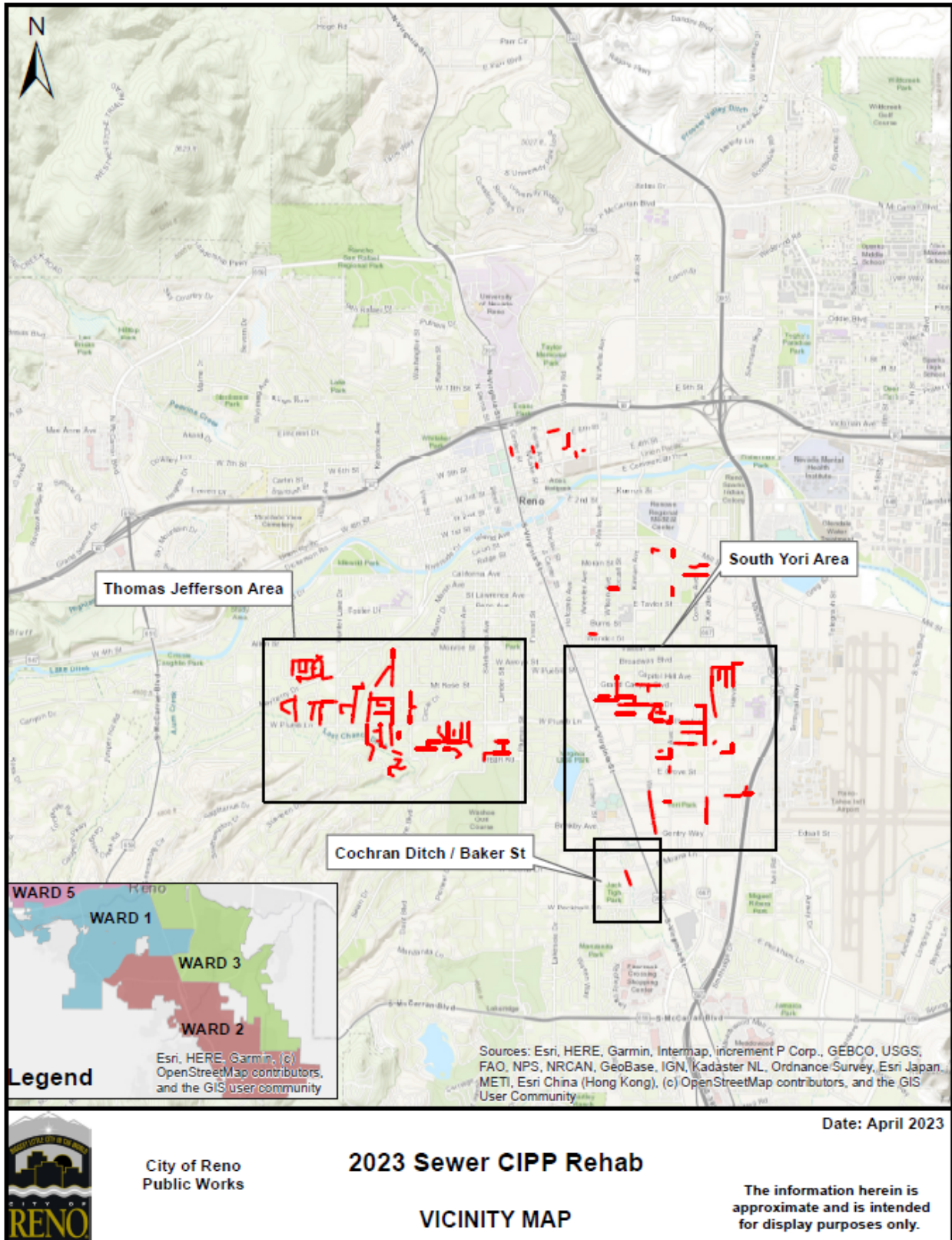
**Discussion:**

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

The 2023 Sewer CIPP Rehabilitation Project was designed with in-house engineering staff and the project includes all the necessary work to rehabilitate 53,299 linear feet of sanitary sewer main ranging in size from 8-inch to 12-inch diameter as well as 557 feet of large diameter storm drain and the installation of six new manholes.

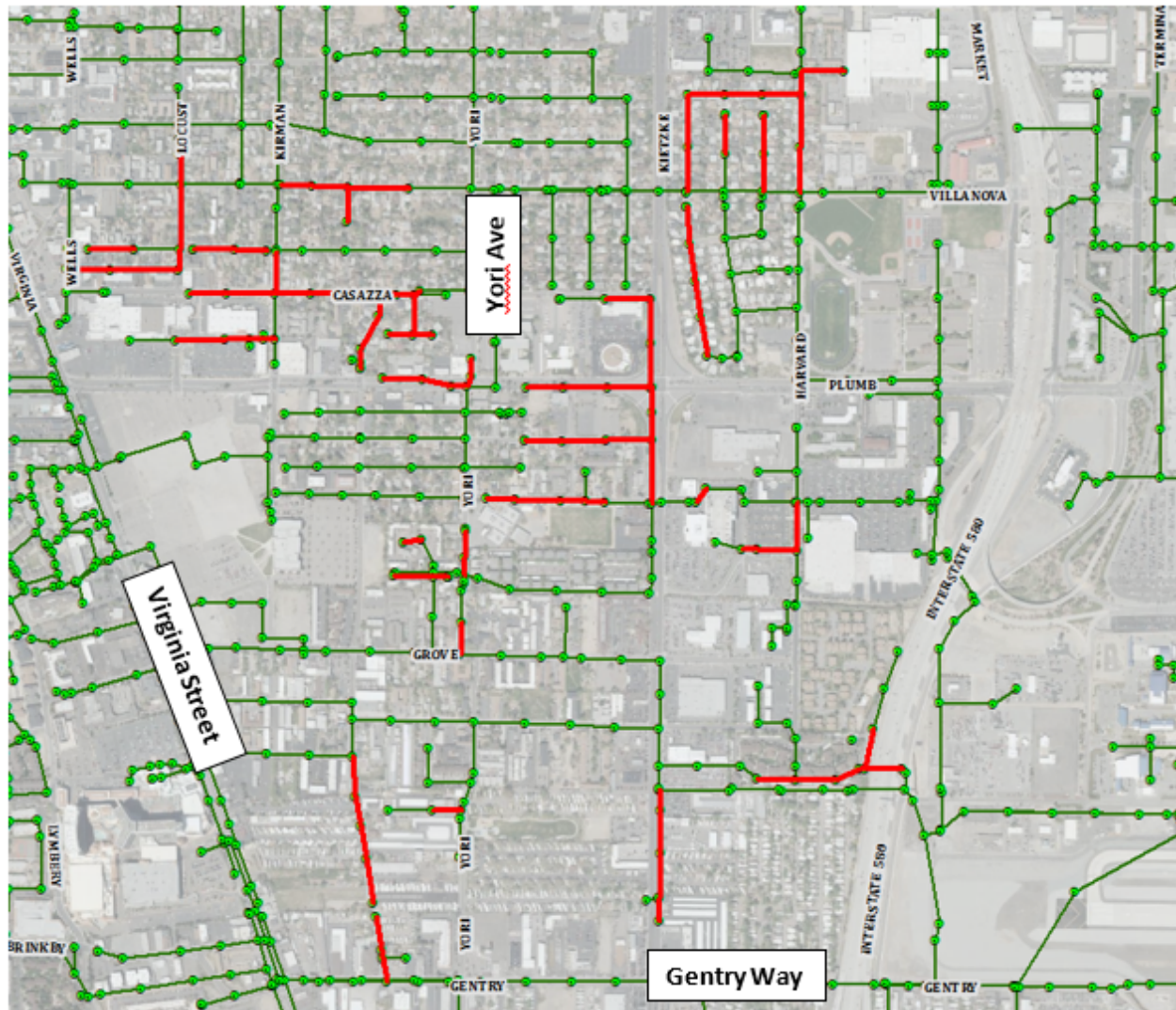
The 2023 Sewer CIPP Rehabilitation Project will line sewer mains in two areas around Reno and storm drain in one area. The two sewer rehabilitation areas include South Yori in Southeast Reno and Thomas Jefferson in the Southwest. The storm drain rehabilitation will be near Moana Lane and Baker Lane. These general areas are shown on the Vicinity Map below.

## Vicinity Map



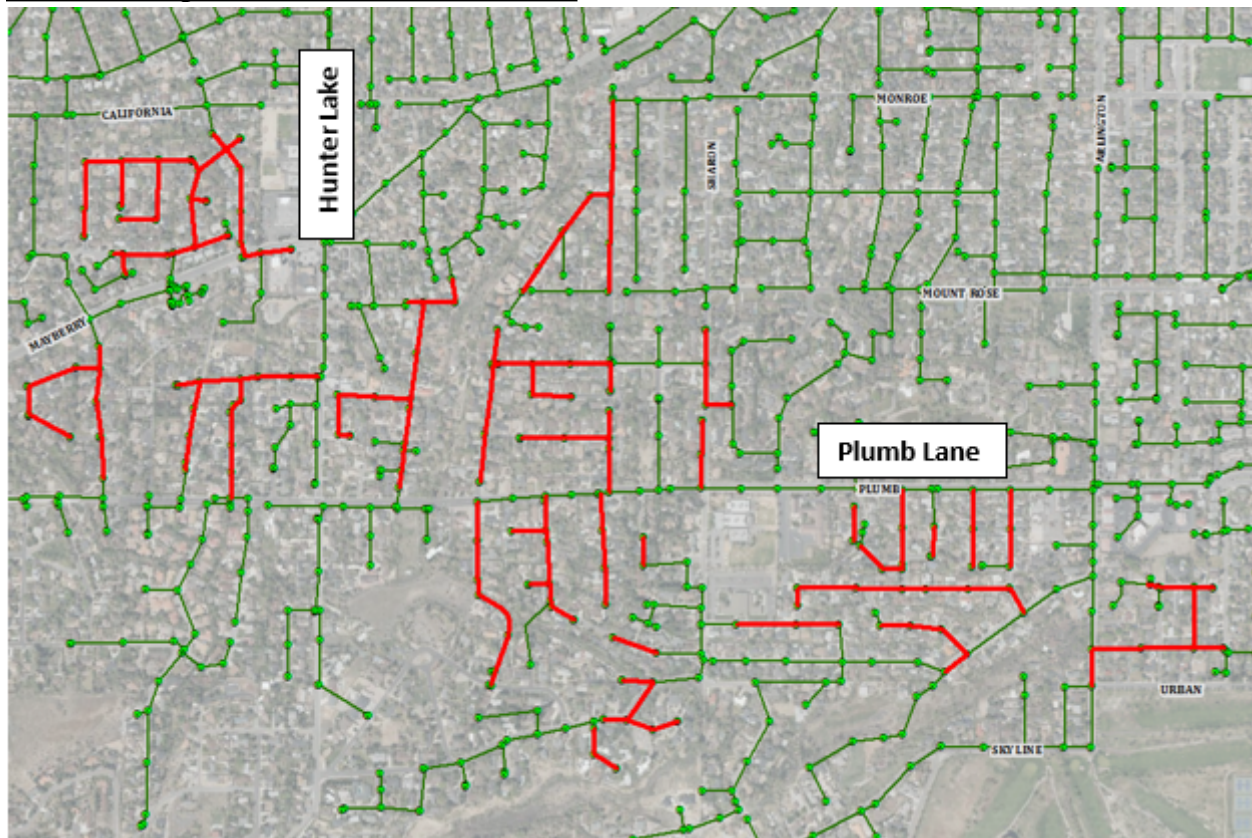
Location Maps #1 & #2 below show the CIPP sewer mains in red and the green lines show the surrounding existing sewer mains where no work is scheduled to occur at this time.

### Location Map #1: South Yori Neighborhood



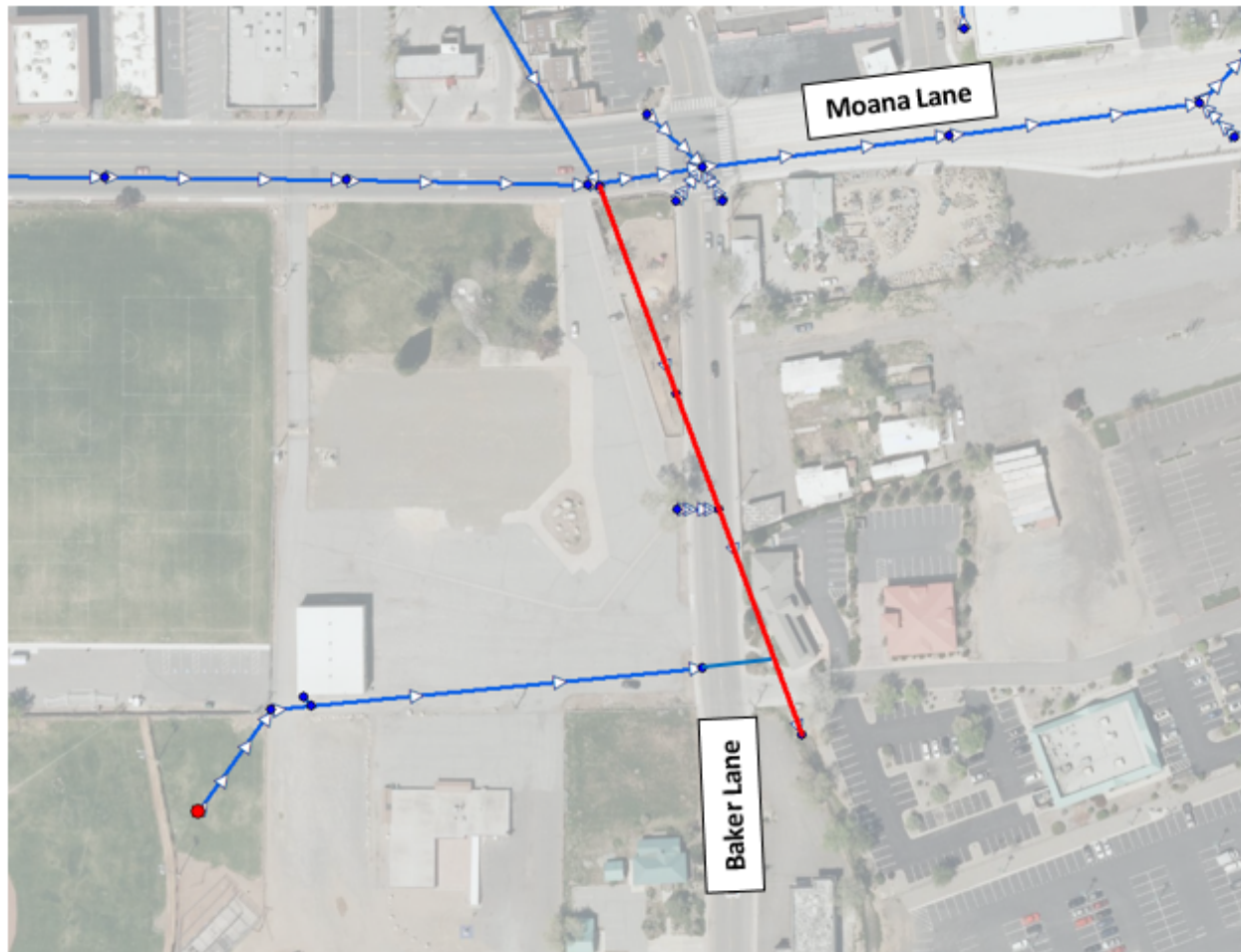


## **Location Map #2: Thomas Jefferson Area**



Location Map #3 below shows the CIPP of the storm drain mains in red and the blue lines show the surrounding existing storm drain mains where no work is scheduled to occur at this time.

### Location Map #3: Storm Drain



Staff conducted a public bid for the 2023 Sewer CIPP Rehabilitation Project and opened two bids on March 23, 2023. Insituform Technologies, LLC submitted the best bid pursuant to the requirements established in Nevada Revised Statute (NRS) Chapter 338.

Insituform Technologies, LLC is General Contractor licensed in Nevada, and they successfully completed the 2022 Sewer CIPP Rehabilitation Project in the Summer of 2022.

**Table 1 – Bid Summary**

<b>2022 Sewer CIPP Rehabilitation Project</b>	<b>Engineer's Estimate</b>	<b>Bidder #1: Insituform Technologies, LLC</b>	<b>Bidder #2: Nor-Cal Pipeline</b>
<b>Total Bid</b>	<b>\$2,708,523</b>	<b>\$2,841,771.75</b>	<b>\$3,060,148</b>

The Engineer's estimate is based on previous years CIPP projects bid prices with an increase added for material costs.

Staff recommends Council award the contract to Insituform Technologies, LLC in an amount not to exceed \$3,141,771.75, which includes a \$300,000 contingency for unforeseen items encountered during construction.

**Table 2 – Recommended Bid Award**

<b>CIPP Base Bid</b>	<b>\$2,841,771.75</b>
<b>Contingency</b>	<b>\$300,000</b>
<b>Bid Award</b>	<b>\$3,141,771.75</b>

Also on the agenda for Council consideration in conjunction with this construction bid award is the agreement for Construction Management Services with Brown and Caldwell.

**Financial Implications:**

This project is included in the FY 22/23 Capital Improvement Plan and funds are available in the Sewer Fund

**Legal Implications:**

This contract was competitively bid in accordance with Chapter 338 of the Nevada Revised Statutes (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 2023 Sewer CIPP Rehabilitation Project to Insituform Technologies, LLC, in an amount not to exceed \$3,141,771.75, and authorize the Mayor to sign the contract.

**Proposed Motion:**

I move to approve staff recommendation.

**Attachments:**

- Insituform\_Construction\_Contract\_SR