

CIP PROJECT SUMMARY REPORT

Presented to: City Council

Reporting Department: Public Works Engineering

Date: December 31, 2025

Project Name: FY23/24 Sewer Lining Project

CIP Number: CC1777

Project Manager: Ardurra

Total Budget: \$1,900,000

Final Cost: \$1,831,082.37

Funding Source(s): Sewer Fund Account (51189024.82600)

Total Encumbered - \$2,025,000

I. Executive Summary

The Engineering and Utilities Divisions identified the need to rehabilitate existing sewer pipes based on maintenance history and video inspection. The project includes lining approximately 23,500 lineal feet of aged sewer main lines identified as the priority segments for this project. The locations would benefit from lining as the existing pipes have either calcium deposits from groundwater seepage through minor cracks and joints, or have joints impacted by tree roots from adjacent mature trees located on parkways. These calcium deposits and roots restrict sewage flow and will be removed prior to lining for improved efficiency. Lining of the pipes is a trenchless operation performed by inserting a cured in place liner inside the existing pipe to form a replacement pipe. This is an important, efficient, and cost-effective method for rehabilitating sewer main lines, helping to restore and maintain proper service while preventing sanitary sewer overflows. The project also includes rehabilitation of 86 manholes to further enhance system reliability.

Bids were advertised electronically beginning in March 2025 through April 10, 2025. Only one bid was received, which was from Vortex Services, LLC dba Sancon Technologies. Sancon (now operating as Vortex Services) has successfully completed the City's Annual Sewer Lining Project for the past four years through the City's open competitive bidding process. As a locally based contractor in Huntington Beach, their proximity reduces mobilization costs and contributes to their strong familiarity with the City's sewer infrastructure, resulting in consistently competitive bids. Their submitted bid of \$1,599,942.70 is approximately \$200,000 below the Engineer's Estimate

II. Financial Summary

Original Contract Amount	1,599,942.70
Approved Change Orders (Total)	\$21,969.00
Final Contract Amount	\$1,621,911.70
Contingency Budget	\$159,994.27
Remaining Balance	\$138,025.27

III. Project Details

Project Description

Scope:

The scope of work includes: Clean and remove calcium deposits, tree roots, and other debris from existing sewer lines; install sewer lining trenchless technology to establish a new sewer line using an existing pipe as host to improve sewer flow to prevent sewer overflows; rehabilitate 86 manholes to maintain structural integrity and prevent deterioration.

Purpose & Benefits:

This project will improve sewer flows and sewer infrastructure structural integrity and prevent further deterioration of the sewer system, thus reducing the chance of Sanitary Sewer Overflows (SSO's).

Start Date: July 14, 2025

Substantial Completion: December 10, 2025

Final Completion / Close-Out Status: January 15, 2026

IV. Contractor Performance Evaluation

Primary Contractor: Vortex Services, LLC dba Sancon Technologies

Contract Award Amount: \$1,599,942.70

Performance Overview: Contractor's performance was acceptable.

Schedule Compliance: Ardurra Project Management delivered on time with 26 remaining working days

Quality of Work: Quality of work product was delivered as specified in the contract documents and to the satisfaction of the City staff. No NCR's (Needs Corrective Action) issued.

Safety Record: No safety incidents reported

Responsiveness & Communication: Contractor was responsive throughout the project.

Subcontractors Involved:

- Performance Pipeline Technologies, INC. (Huntington Beach)

Change Orders Summary:

Number of Change Orders: 2

Reason(s): Change in quantity due to a couple of pipe segments having a larger diameter than records indicated

V. Long-Term Maintenance and Impacts

Maintenance Responsibility: Public Works -Utilities Sewer Division

Anticipated Annual Maintenance Costs: \$300.00

Service Life: 50-year Service

Significant Lasting Impacts: Improved system flow and reliability reduced emergency repairs and maintenance calls.

VI. Lessons Learned

This project marked the initial use of the Ultraviolet (UV) Liner of a Sewer Pipe in Huntington Beach. UV Lining provides a stronger lining than traditional lining material and a clean process eliminating the need for hot water/steam creating a more sustainable method of construction as compared to traditional felt material Cured-In-Place-Pipe (CIPP).

VII. Conclusion

C.C. 1777 was an investment in the City's infrastructure and has successfully achieved its intended objectives. It was delivered with minimal schedule disruption, below budget margins, and with successful contractor collaboration. This project will provide lasting benefits to the community and serve as a model for future CIP efforts.

VIII. Exhibits

This section will include pictures of before and after, including progress or detailed pictures of significance.





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