Coggeshall Street Sewer Separation Project

The City of New Bedford is committed to improving its wastewater collection system and reducing combined sewer overflows (CSOs). Since 1990, the City has dedicated over $250 million resulting in the opening of 12,000 acres of shellfishing beds and allowing swimming at the City's beaches, something not possible 25 years ago.

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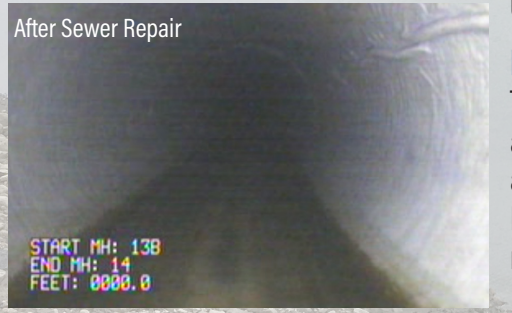
The Coggeshall Street underground utility infrastructure was over 120 years old, beyond its useful life and, like most infrastructure in the City, consisted of a combined sewer and storm drain system. A "combined" system is an older type of sewer system that also conveys stormwater.

The purpose of the Coggeshall Street project was to:

- Build new separate sewer and storm drain systems to alleviate street flooding and reduce CSOs to the Harbor

Before Sewer Repair



After Sewer Repair

- Address aging, deteriorated underground pipelines by installing new or repairing existing sewers and drains
- Replace aging water mains to improve reliability

This project will directly improve the water quality in the Harbor and operation of the City's wastewater treatment and conveyance systems, while providing new piping for continued reliable service.

Project Team and Acknowledgements

City of New Bedford: Department of Public Infrastructure

CDM Smith Inc., Consulting Engineer

P. Gioioso and Sons, Contractor

Massachusetts Department of Environmental Protection
United States Environmental Protection Agency

United States Army Corps of Engineers

Project Benefits

The Harbor is one of the City's most valuable assets. It provides both recreational and economic opportunities to New Bedford and the surrounding communities. Beaches, boating, and swimming enhance the quality of life for residents and are a draw for visitors.

At completion, this project will:

- Directly contribute to water quality improvements by reducing CSO discharges by 2.4 million gallons annually. Improved water quality suggests healthier aquatic ecosystems and greater opportunities for recreation.
- Continue the City's initiative of addressing utility needs, and support of economic development by replacing or fixing over 5,200 ft of sewer pipe
- Support redevelopment along the Coggeshall Street corridor – one of the main Gateways to the City and International Marketplace.

This project has supported multiple City objectives and will ultimately contribute toward creating a clean and safe environment for the citizens of New Bedford.

Future Work

This project is the first of several planned infrastructure improvement projects in the City's North End that will continue to upgrade aging pipelines and address CSO discharges to the Harbor.

Now that the underground utilities have been upgraded, the City has begun work to make Coggeshall Street corridor a pedestrian, bicycle, and motor vehicle friendly area that connects the Town of Fairhaven, Route 195 and the City's downtown to the International Marketplace, Riverside Landing, and the numerous businesses along Coggeshall Street. These improvements will complete the vision of Coggeshall Street as a Gateway to New Bedford and the Inner Harbor.

Jean Street After

Jean Street Before

Project Numbers

Estimated Cost: $8.7 million

Actual Final Cost: $8.4 million

CSO Abatement: 2.4 million gallons annually

Total Sewer Pipe Installed between 8-in and 24-in: 1,930 linear feet

Total Sewer Pipe Repaired: 3,343 linear feet

Total Drain Pipe Installed between 8-in and 48-in: 3,540 linear feet

Total Water Pipe Installed between 6-in and 30-in: 2,597 linear feet

Total Lead Services Replaced: 1