



**BOSTON WATER & SEWER COMMISSION**  
**REHABILITATION OF THE NEW BOSTON MAIN INTERCEPTOR**  
**Contract No. 21-309-005A**  
*Report for March 1 through March 31, 2023*

**PROJECT SUMMARY**

The New Boston Main Interceptor (NBMI) is a critical part of the BWSC's wastewater system, carrying sewage and stormwater from more than 3,000 acres in City neighborhoods. Due to severe degradation the NBMI system needs to be rehabilitated. The goal of this project is to rehabilitate a 500-foot portion of the existing 102-inch NBMI and four major sewer structures. The sewer system is approximately 25 to 35 feet deep, and rehabilitation work is being done in a "trenchless" manner to avoid deep excavation along the pipe length and to minimize neighborhood and traffic disruption.

**SPECIAL MANHOLE B – MOAKLEY PARK**

**COMPLETED WORK**

Replaced and reconfigured a 24-inch pipe where flows come into the NBMI from the north to reduce turbulence. The purpose of this work is to reduce the corrosive and odorous gases caused by the sewer.

**UPCOMING WORK**

LiDAR/sonar inspection.

**SPECIAL MANHOLE C – DORCHESTER AVE**

**COMPLETED WORK**

Initial measurements and cleaning for future rehabilitation.

**UPCOMING WORK**

Rehabilitation of structure to begin in April 2023, with temporary work zone only during non-peak hours.

**SPECIAL MANHOLE D – PREBLE ST**

**COMPLETED WORK**

Initial measurements investigations, cleaning, and test pits. Measured downstream pipe to be sliplined using laser and sonar technology, as well as pulling a model of the pipe segment through to make sure the slipline pipe will fit.

**UPCOMING WORK**

Sliplining of 102-inch pipe and rehabilitation of structure to be scheduled in June to Sep 2023.

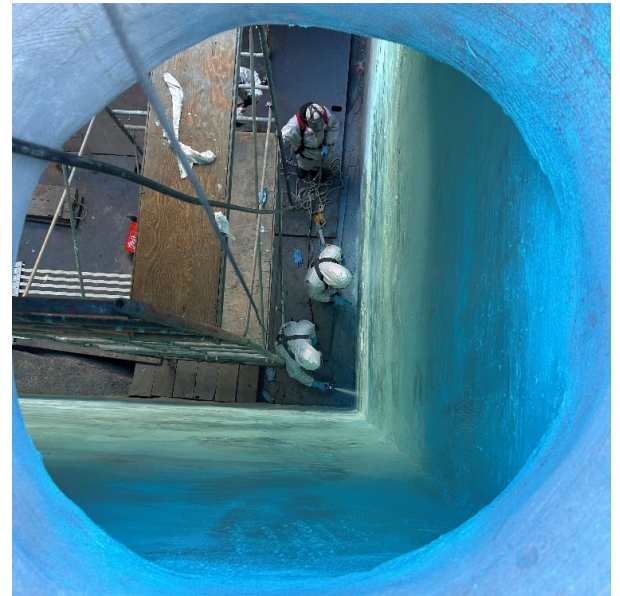
**SPECIAL MANHOLE E – SOUTHAMPTON ST**

**COMPLETED WORK**

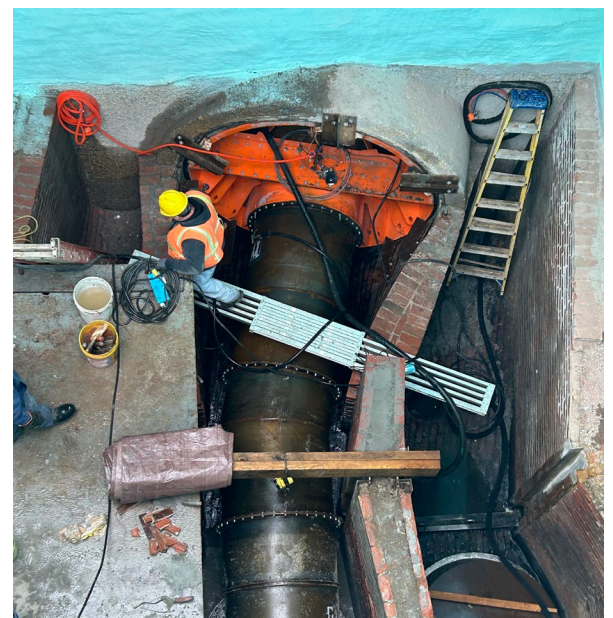
March 2023 was dedicated to spraying an epoxy coating over the cement-based spray-on liner in the top half of the structure to prevent future corrosion, and installing a flow bypass to be able to rehabilitate the lower half of the structure.

**UPCOMING WORK**

Complete brick repair and add spray-on liner and epoxy coating on surfaces in the lower half of the structure. Shift the work zone to the center of Southampton Street to allow for replacing the remaining portion of the roof, while maintaining traffic in both directions. Install new grate walkways, handrails, and ladders necessary for safe maintenance.



*Crews apply epoxy-based spray on liner.*



*Crews work to install flow bypass piping within Special Manhole E.*