



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

None planned for this phase of NBMI Rehabilitation.

**SPECIAL MANHOLE C – DORCHESTER AVE**

**COMPLETED WORK**

Initial measurements and cleaning for future rehabilitation.

**UPCOMING WORK**

Rehabilitation of structure to be scheduled in Mar-Apr 2023.

**SPECIAL MANHOLE D – PREBLE ST**

**COMPLETED WORK**

Initial 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 Apr to Aug 2023.

**SPECIAL MANHOLE E – SOUTHAMPTON ST**

**COMPLETED WORK**

Set up a work zone that will be permanent for several months, with traffic maintained in both directions (work zone width was minimized by removing only a portion of the structure roof at a time). Removed existing deteriorated components such as grate walkways, handrails, and ladders. Removed degraded concrete from the interior walls by hydro blasting. Began refurbishing interior brick surfaces.

**UPCOMING WORK**

Repair/rebuild walls with cementitious spray-on liner and epoxy coating. Refurbish all remaining brick surfaces and stop log systems, install new grate walkways, handrails, and ladders necessary for safe maintenance.



*Inside the work zone on Southamptom Street*



*Refurbishing brickwork in Special Manhole E*