



BOSTON WATER & SEWER COMMISSION
REHABILITATION OF THE NEW BOSTON MAIN INTERCEPTOR
Contract No. 21-309-005A
Report for June 1 through June 30, 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 anticipated in this phase of work.

SPECIAL MANHOLE C – DORCHESTER AVE

COMPLETED WORK

Reconfigured flow channels and installed new grate walkways, handrails, and ladders necessary for safe maintenance. Installed two new stop log systems. Began rehabilitation of walls with cement-based spray-on liner and epoxy coating.

UPCOMING WORK

Complete work inside the chamber, and rehabilitate 36" pipe conveying flows between Manhole C and Manhole D with cement-based spray-on liner and epoxy coating.

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 completed in July to Sep 2023.

SPECIAL MANHOLE E – SOUTHAMPTON ST

COMPLETED WORK

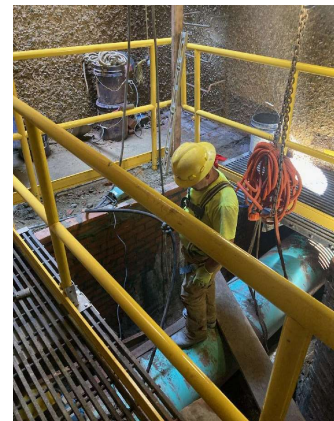
Repaired/rebuilt concrete walls and refurbished brick surfaces and stop log systems. Rehabilitated surfaces with cementitious spray-on liner and epoxy coating. Replaced grate walkways, handrails, and ladders necessary for safe maintenance.

UPCOMING WORK

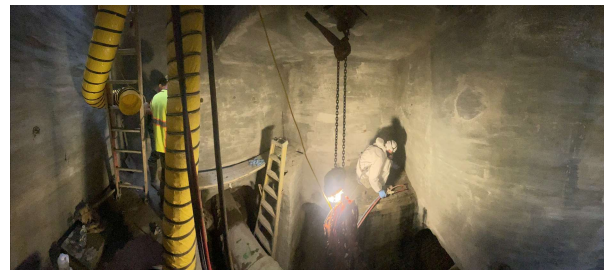
None anticipated in this phase of work.



Location Map



New grate walkways and handrails in Special Manhole C.



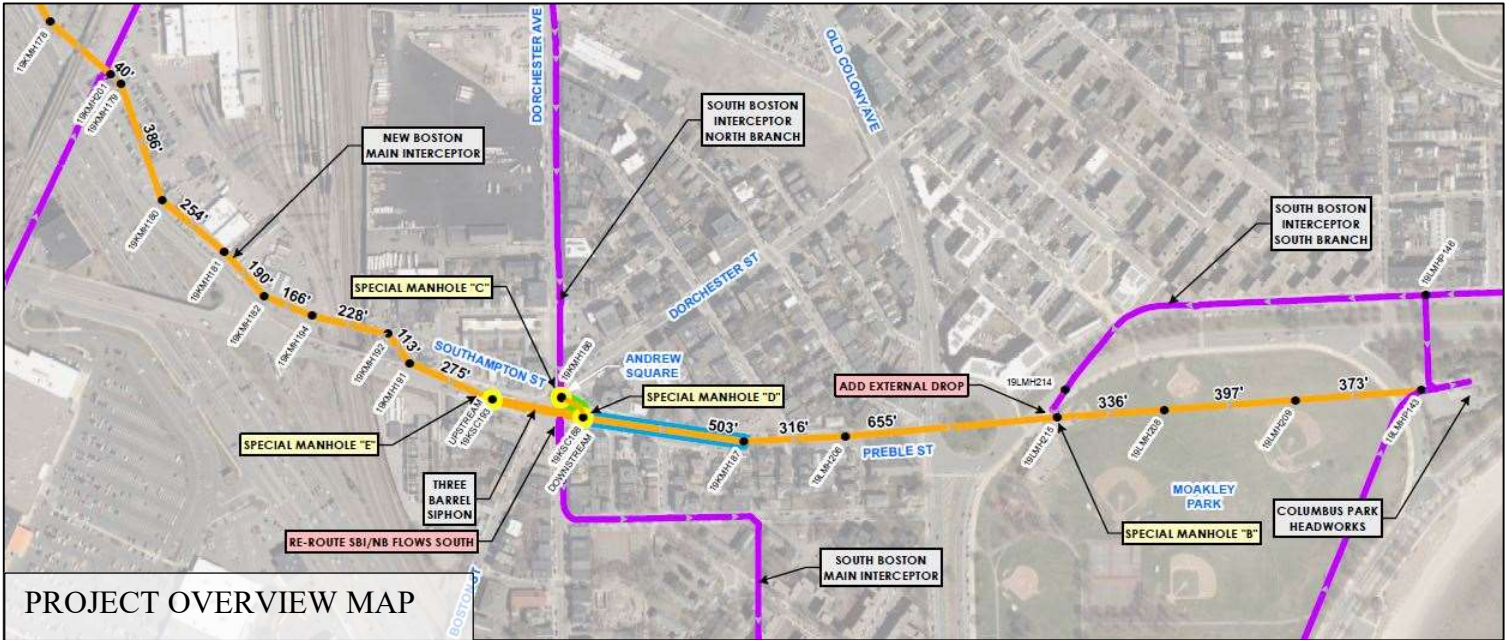
Crews apply cement-based spray-on liner in Special Manhole C.



Extensive corrosion in 36" pipe in Dorchester Avenue to the NBMI, which is being rehabilitated.

REMINDER:

Beginning in mid-July 2023, a new work zone will reroute eastbound traffic on Preble Street, which will require a vehicular detour – See detour route on page 2



- ❖ **Pedestrian and emergency access will be maintained**
- ❖ **Construction activities will occur at various times depending on work**
- ❖ **Coordination with businesses and abutters will be maintained during construction**

Contact us at:
 Project Field Office Voicemail: 617-865-9299 (daytime) or 617-989-7900 (24/7 emergency)
 Email: nbmi@bwsc.org