



REHABILITATION OF THE NEW BOSTON MAIN INTERCEPTOR

Contract No. 21-309-005A

Report for November 1 through November 30, 2022

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

COMPLETED WORK

Initial investigations.

UPCOMING WORK

Excavate within unpaved parking lot in Moakley Park to modify the piping configuration where flows come into the NBMI from the north. The purpose of this modification is to reduce the turbulence, and thus reduce the corrosive and odorous gases caused by the sewer.

SPECIAL MANHOLE C

COMPLETED WORK

Cleaned out debris and televised the downstream pipe down Dorchester Avenue to Devine Way. Once cleaned, a flow bypass plug was installed to route flows away from the NBMI – this facilitated easier work in NBMI in Special Manhole D.

UPCOMING WORK

To be scheduled in 2023.

SPECIAL MANHOLE D

COMPLETED WORK

Test Pits above structure, cleaned out debris, took measurements of the pipe downstream using LiDAR (laser technology to measure the pipe walls) and sonar, and pulled a mandrel (essentially a full-scale model of a pipe segment) through the portion to be sliplined. This was done as a test to make sure the pipe will fit before it is ordered and manufactured.

UPCOMING WORK

To be scheduled in 2023.

SPECIAL MANHOLE E

COMPLETED WORK

Test Pits above structure.

UPCOMING WORK

To be scheduled in 2023.



Mandrel pull in Special Manhole D



Preparing to receive the mandrel on Preble Street

Contact us at:

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