

Gateway Development Commission

Board Meeting

July 8, 2026



Agenda

Construction Updates

Hudson River Ground Stabilization Change Order

Public Comment

Action Items



Construction Updates

Two Years of Progress

Milestones reached in the two years since signing the Full Funding Grant Agreement for the Hudson Tunnel Project:

- **Finished the first Hudson Tunnel Project construction package.**
- **Awarded contracts for four additional construction packages**, including contracts for all the tunnel boring for the new tunnel.
- **Two custom-built tunnel boring machines have been manufactured, tested, and shipped.** On-site assembly of both machines is in progress.
- **Completed the slurry walls of both access shafts** that will facilitate underground construction.
- **Removed obstructions from and stabilized more than 90,000 square feet of the riverbed** under the Hudson River.
- **Project partners installed the floor of the HYCC-3 tunnel box** and made significant progress on the walls and roof.

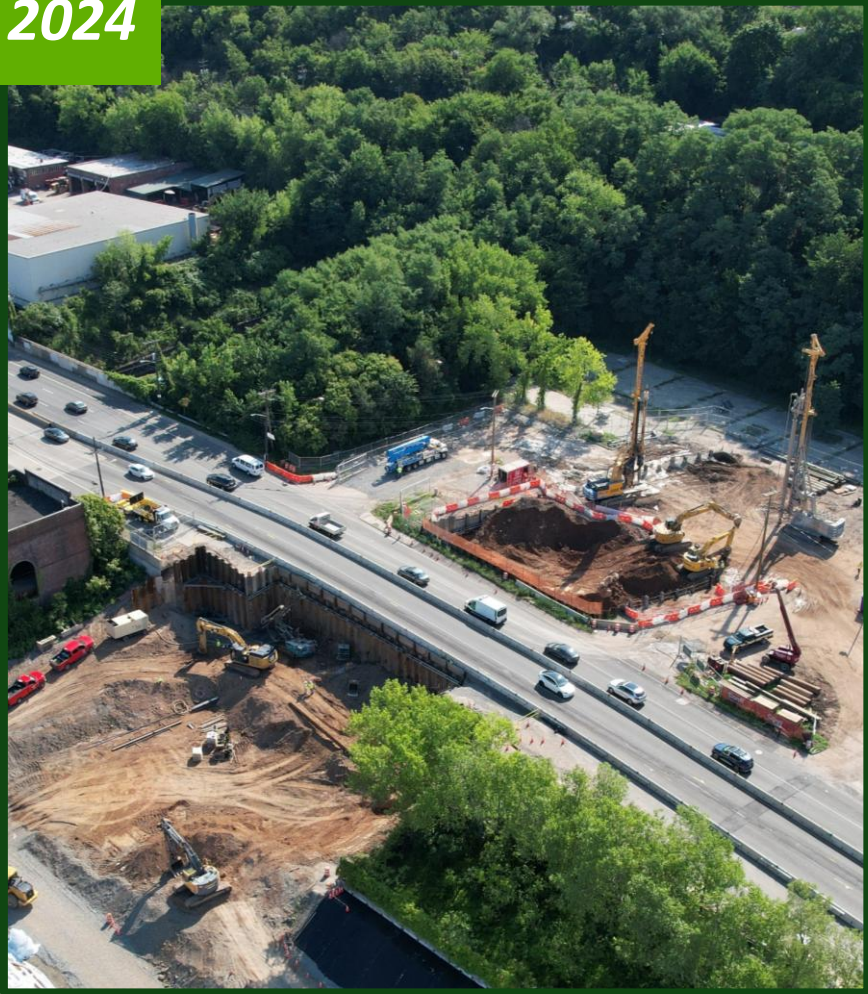
7 Projects Complete or In Progress

1. **NJ Surface Alignment**
2. **Tonnelle Avenue Bridge**
3. **Palisades Tunnel**
4. **Hudson River Tunnel Section**
5. **Hudson River Ground Stabilization**
6. **Manhattan Tunnel**
7. **Hudson Yards Concrete Casing – Section 3**

Palisades Tunnel Project

Palisades Portal

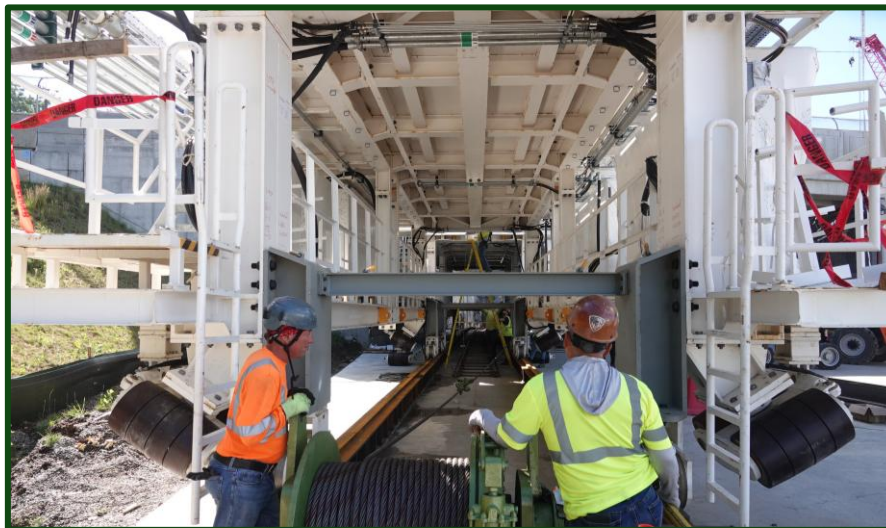
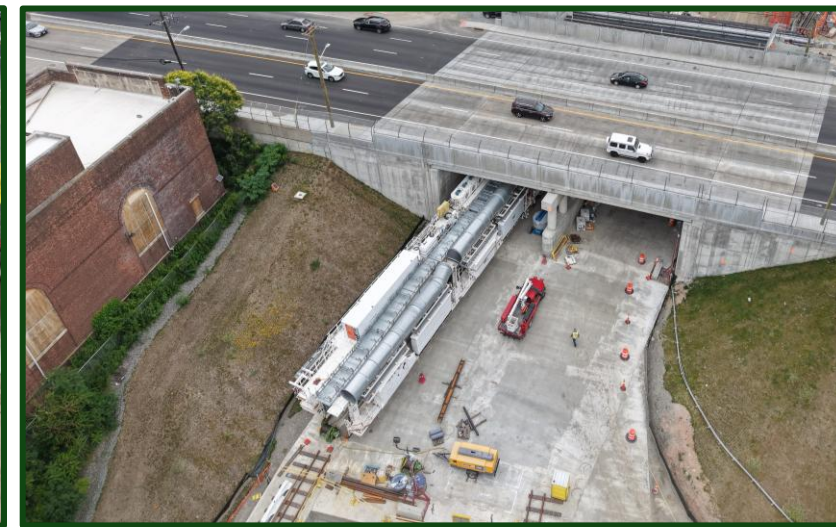
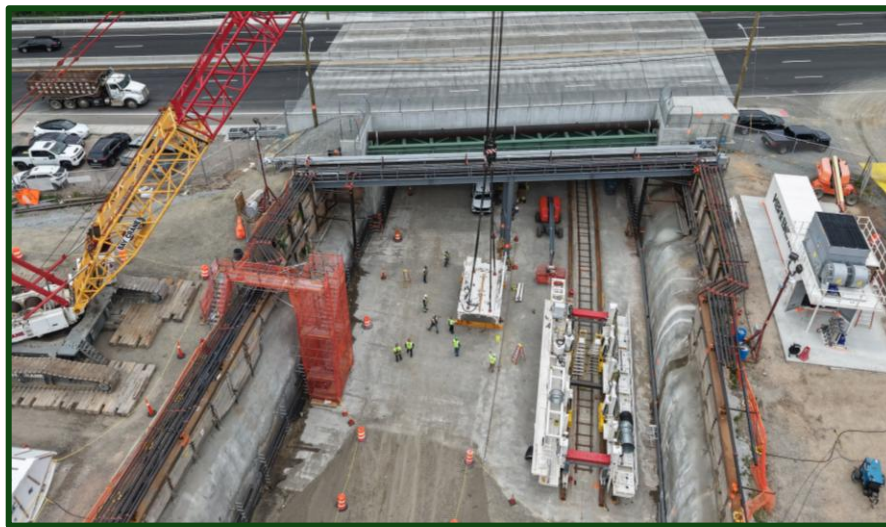
2024



2026



Tunnel Boring Machine Assembly



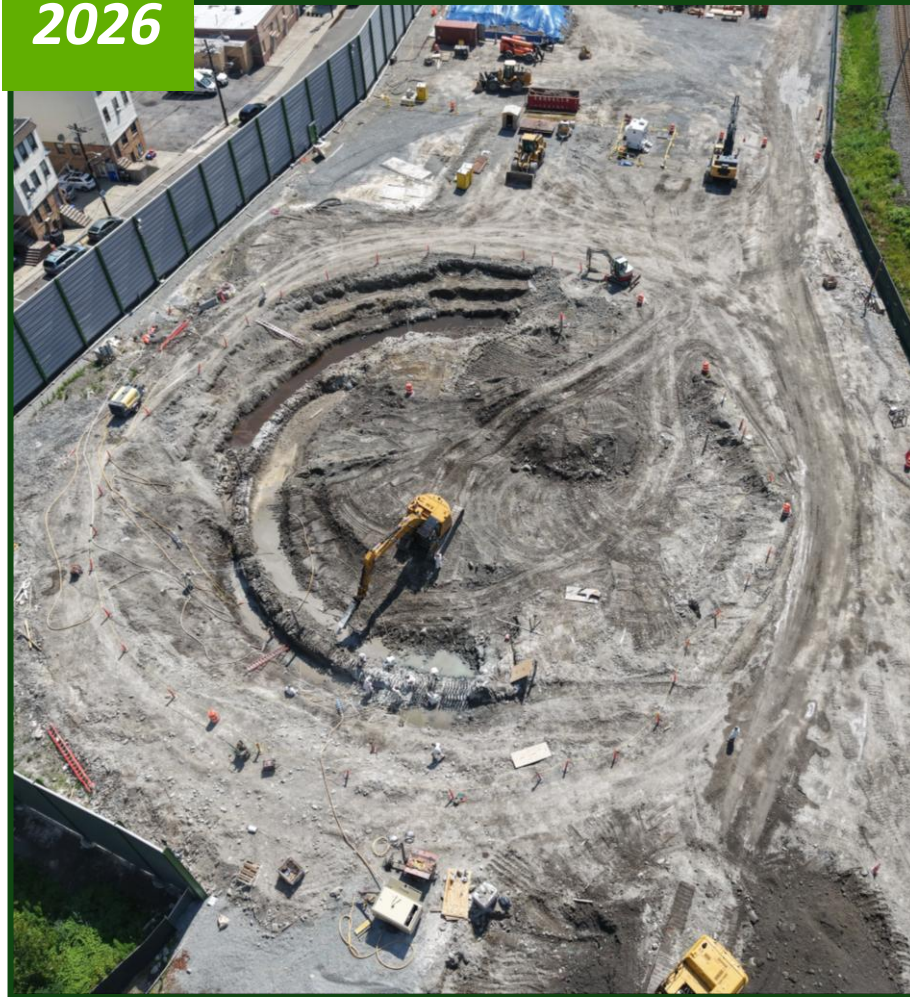
Palisades Tunnel Project

Hudson County Shaft

2024

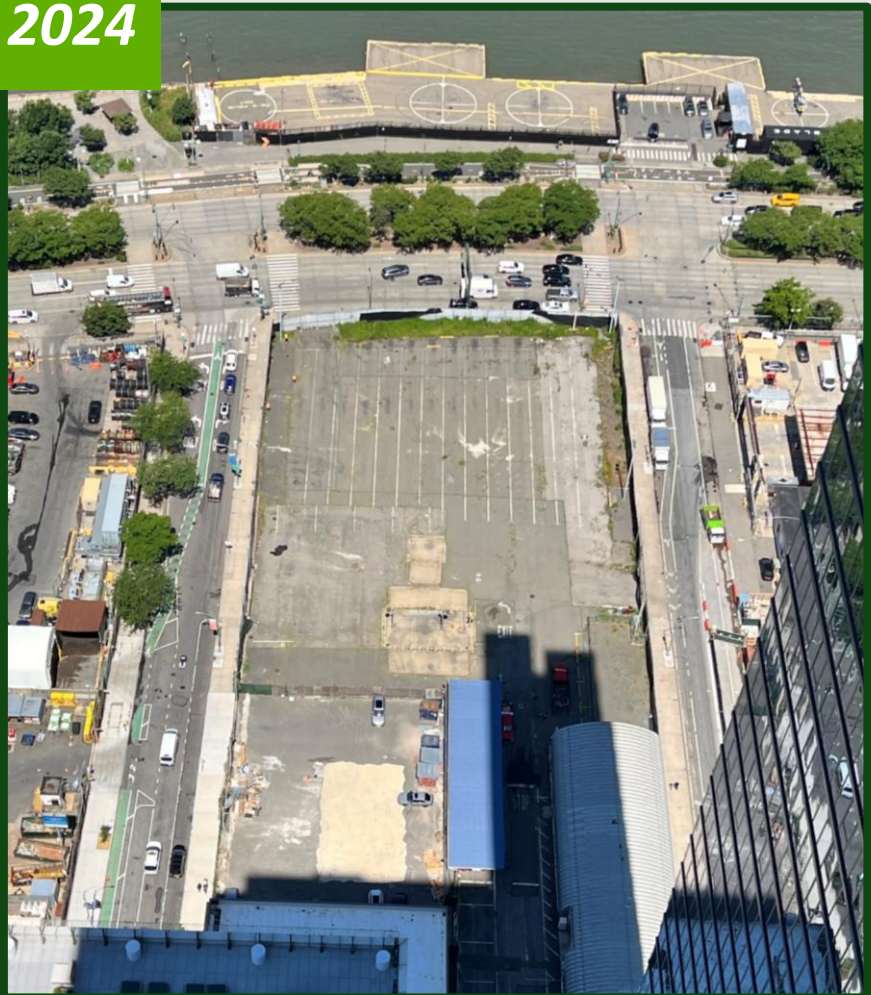


2026

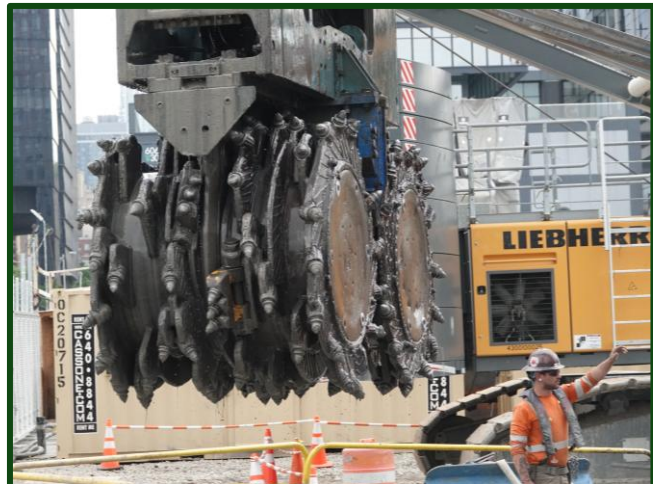
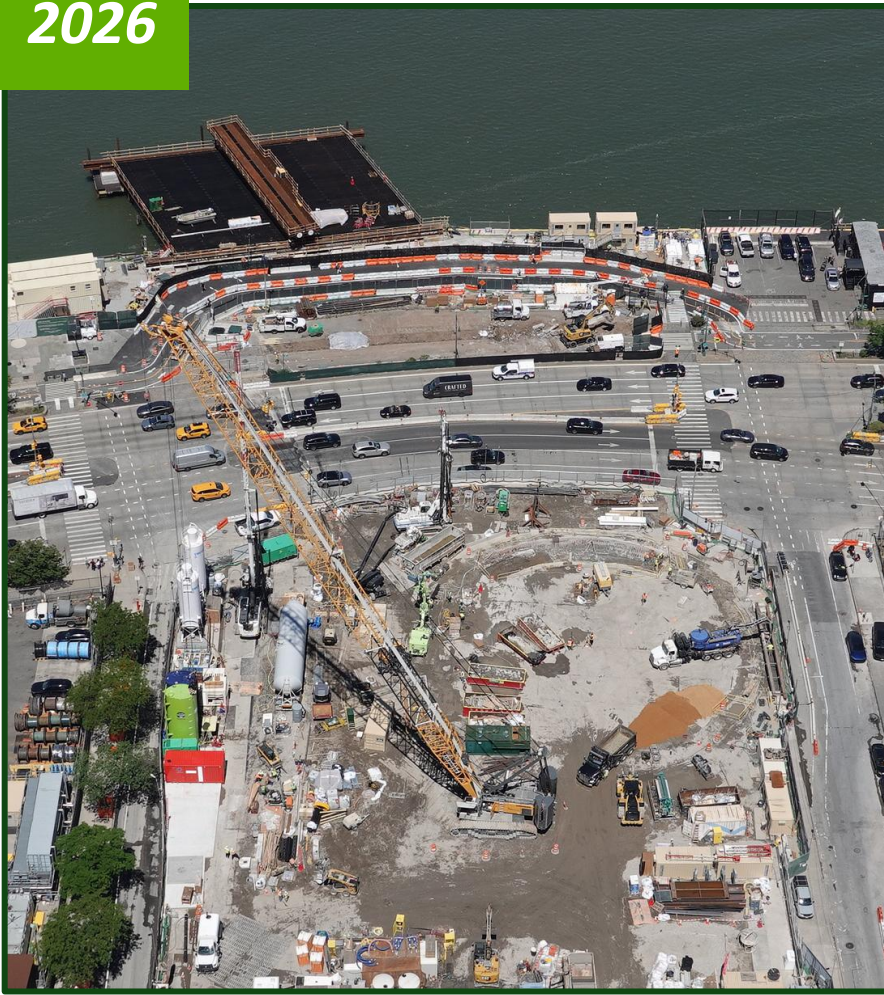


Manhattan Tunnel Project

2024



2026

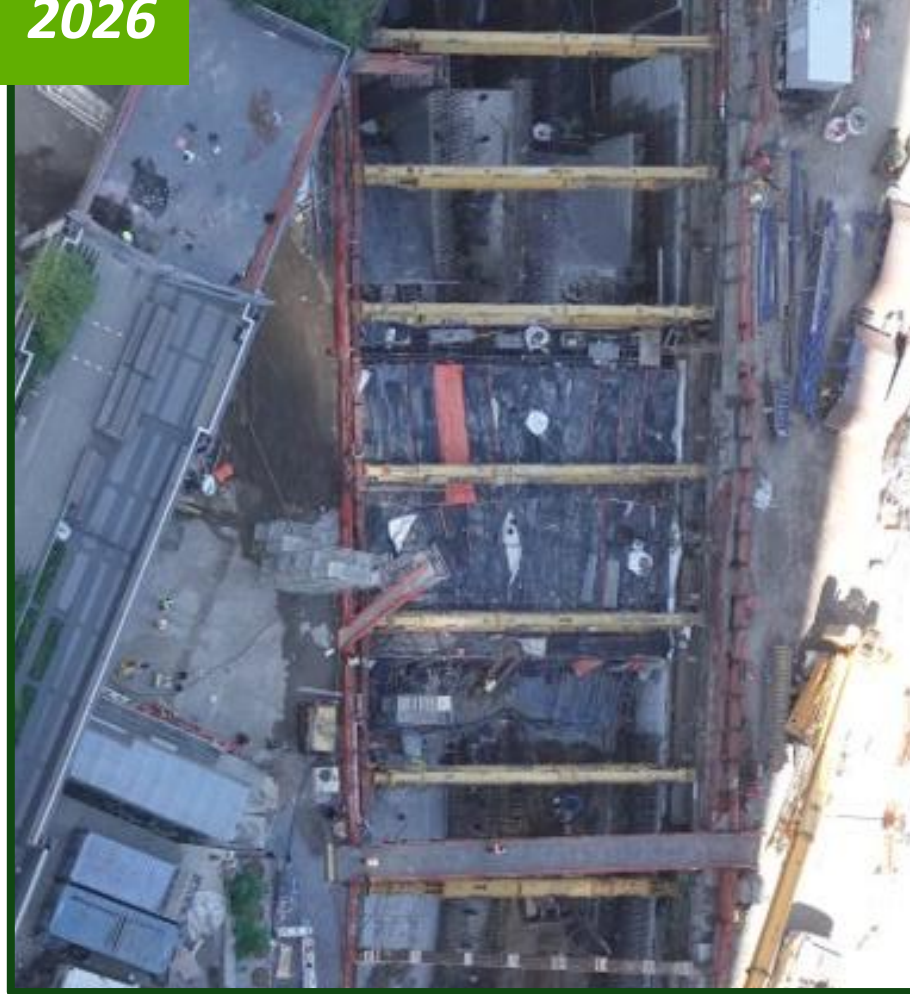


Hudson Yards Concrete Casing – Section 3

2024

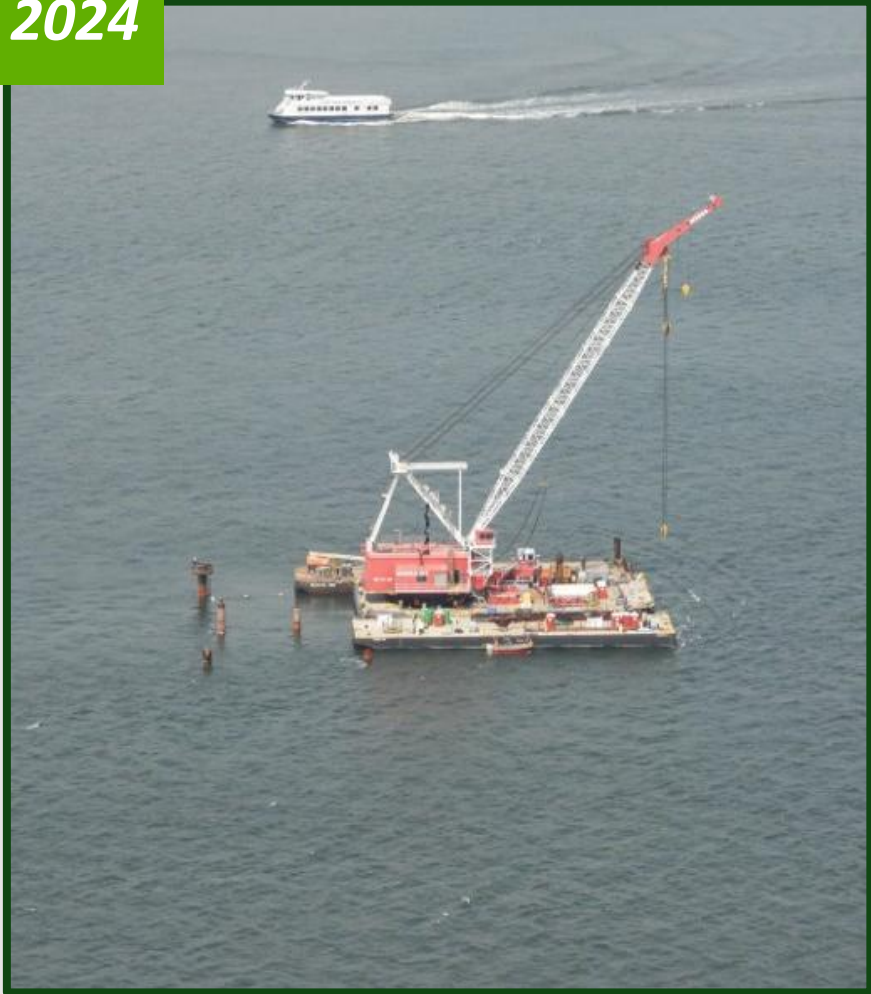


2026



Hudson River Ground Stabilization

2024



2026



Recent Contract Awards

NJ Surface Alignment

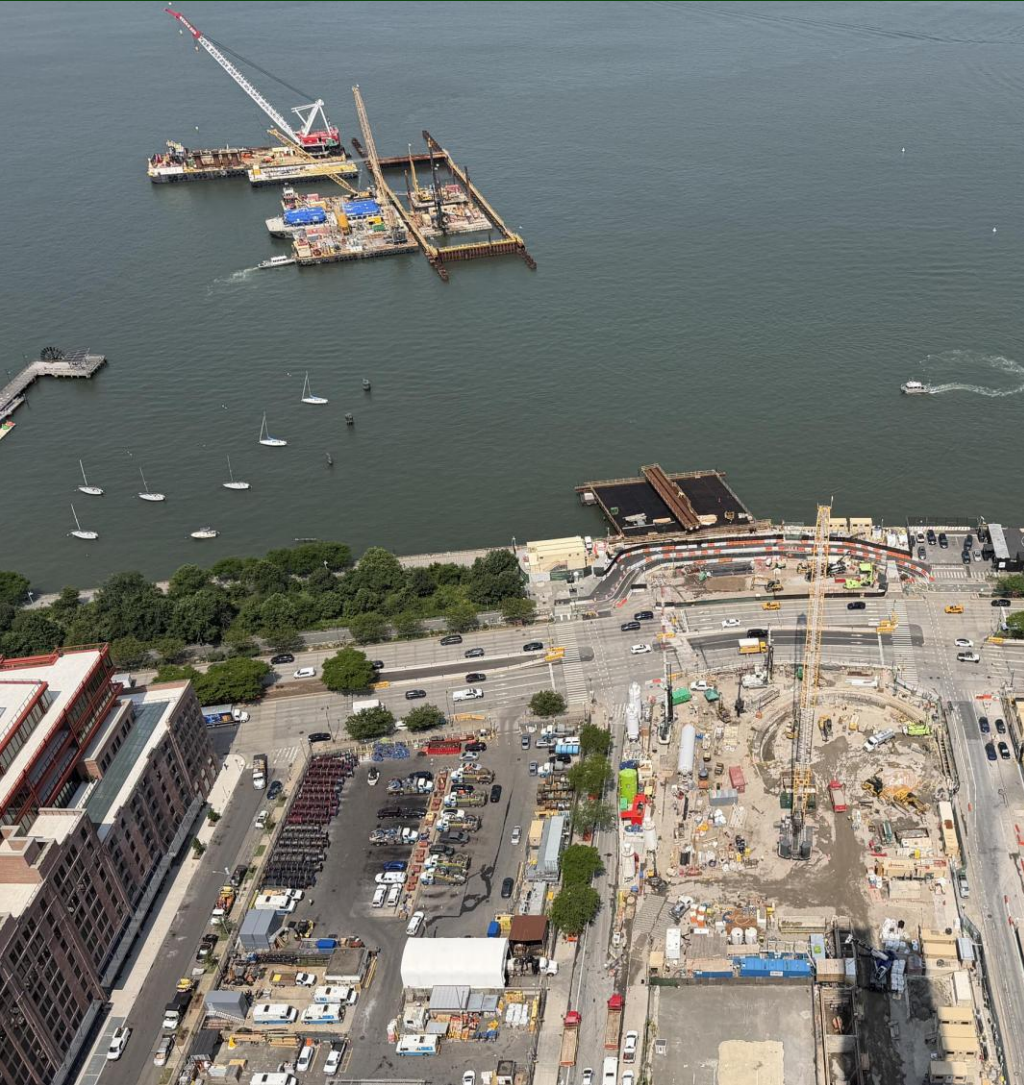


Hudson River Tunnel Section



Hudson River Ground Stabilization Change Order

Hudson River Ground Stabilization Change Order

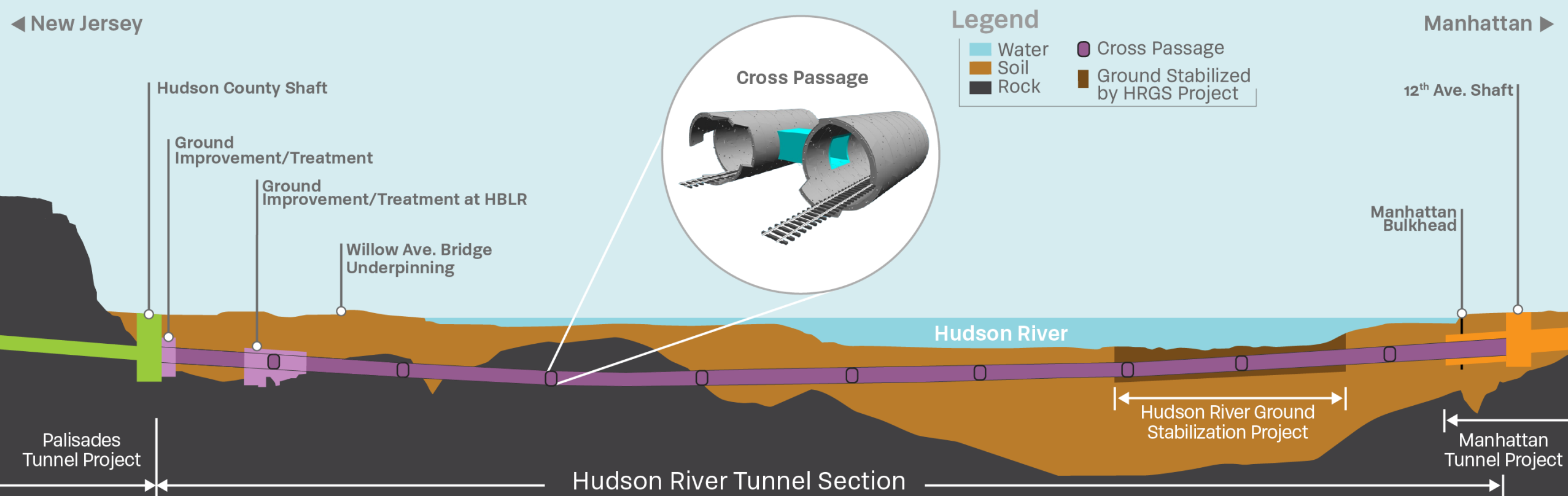


- **Additions to project scope of work include:**
 1. Removal of approximately 500 submerged piles from the demolition of Pier 68.
 2. Soil stabilization near the Manhattan shoreline.
- **Proactive measure to support efficient tunnel boring under the Hudson River.**
- **Continuation of current Hudson River Ground Stabilization Project.**

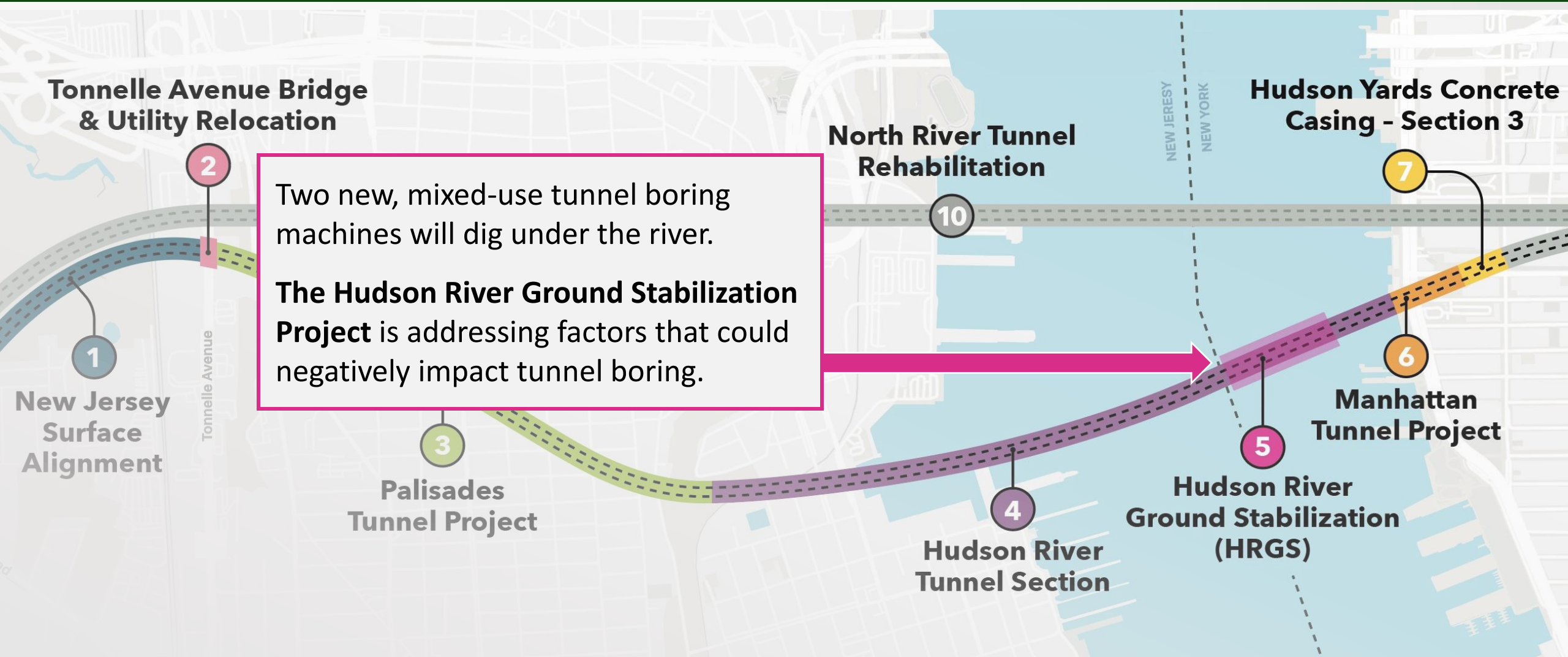
Tunneling Under the Hudson River

GDC awarded the contract to build the section of the new tunnel under the Hudson River in April.

This is one of the most challenging construction packages because it requires tunneling through mixed conditions, including rock, soft soil, and fill that was used to expand the Manhattan shoreline.



Preparing for Tunnel Boring Under the River

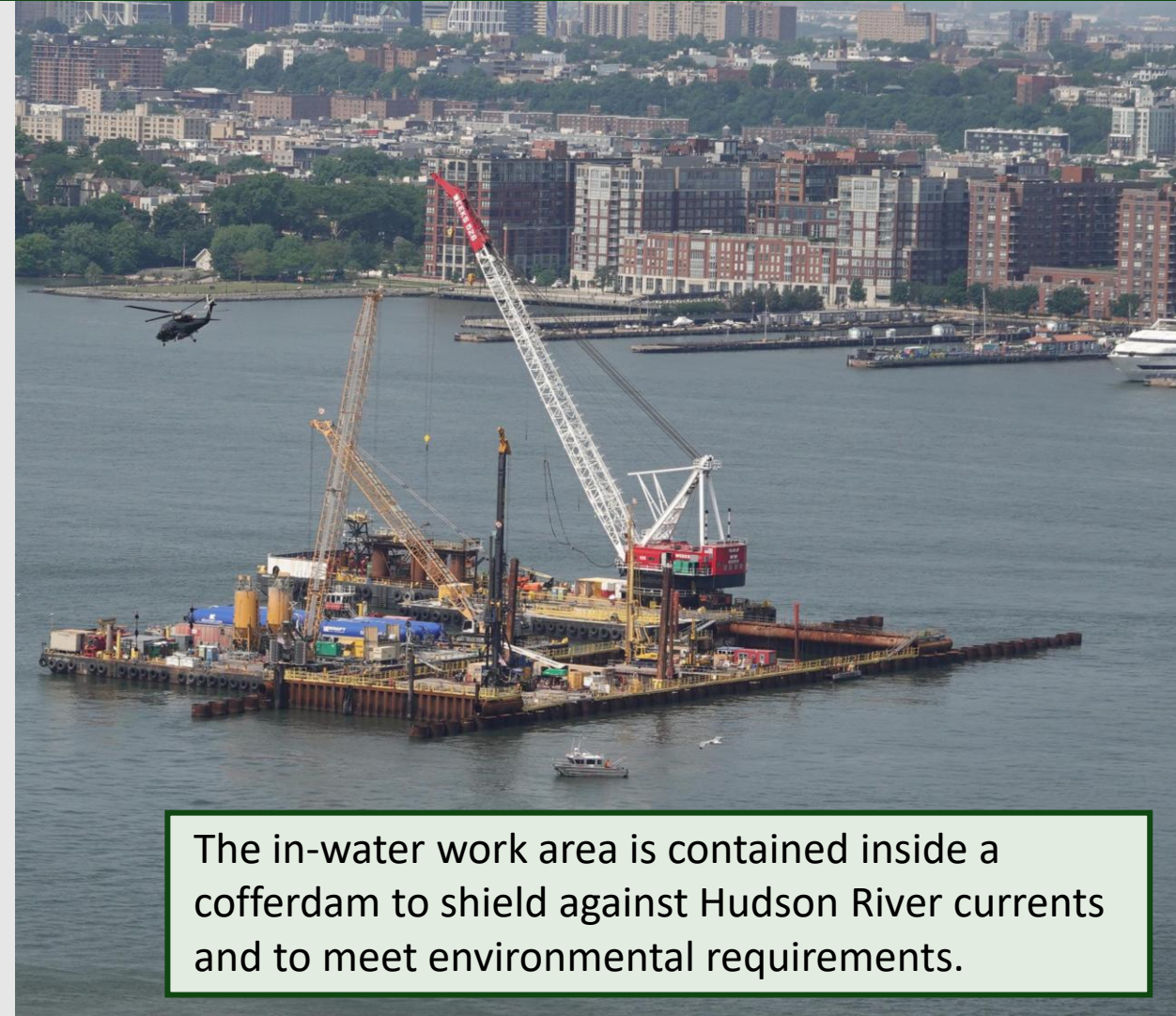


The Hudson River Ground Stabilization Project

The current scope involves work on a specific section of the riverbed where the tunnel is closest to the surface.

Three core work elements:

1. **Installing and moving a temporary cofferdam** in the river to contain the work area.
2. **Mixing concrete into the riverbed** to strengthen the soft soil in preparation for tunnel boring.
3. **Removing obstructions** that could negatively impact the tunnel boring machines.



The in-water work area is contained inside a cofferdam to shield against Hudson River currents and to meet environmental requirements.

History of Pier 68



- **Built in the late 1800s as a freight pier** for the Delaware, Lackawanna and Western Railroad.
- Damaged in a fire in 1964 and subsequently demolished.
- **Pier structure removed, but piles that supported it remain in the riverbed.**
- Some piles are visible and many more are submerged and buried.

Test Project

At the direction of the GDC in 2025, the Hudson River Ground Stabilization contractor performed a test project to better understand the work involved in locating and removing the Pier 68 piles.



Lessons from the Test Project

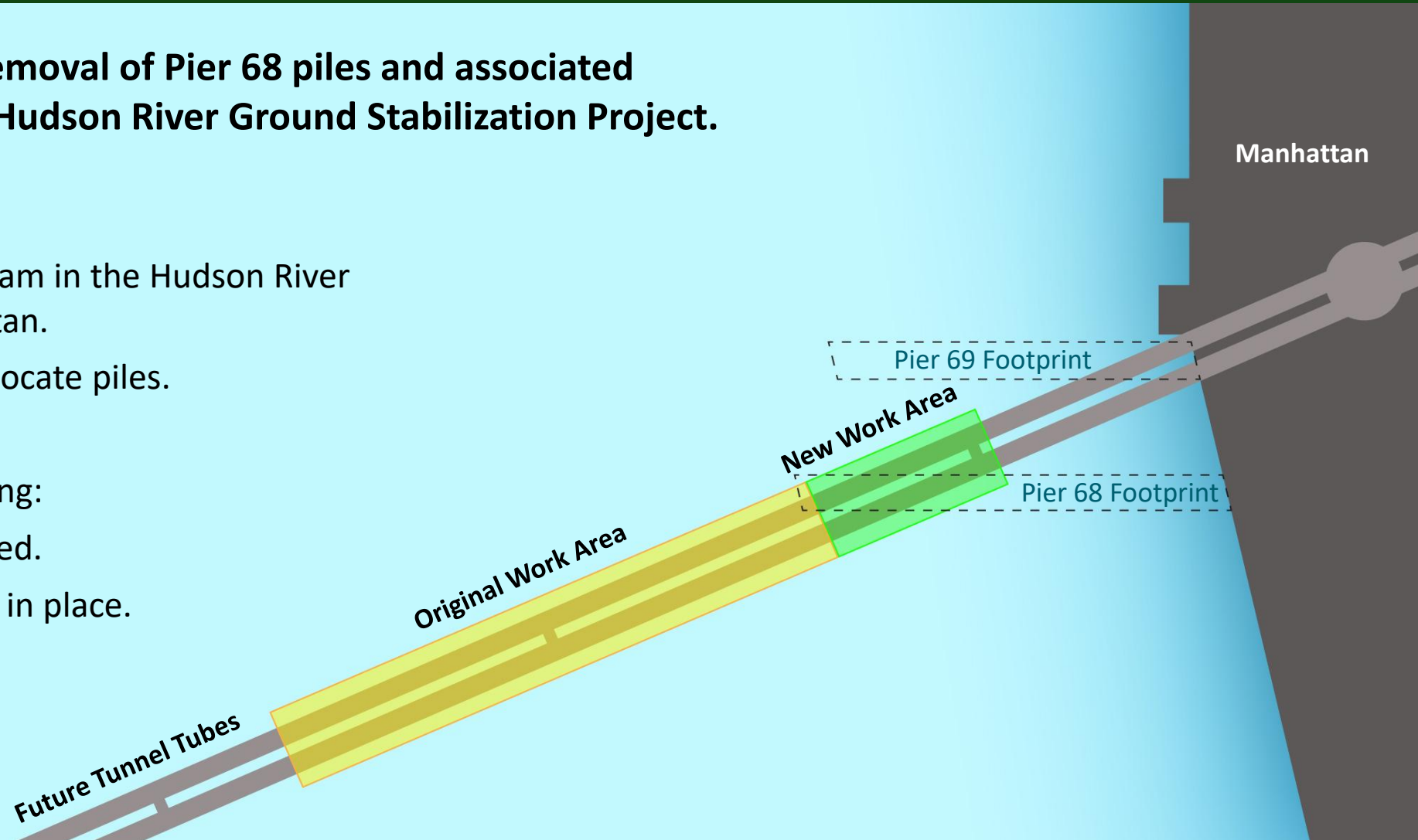
- Work must be done inside a cofferdam due to river currents and environmental requirements.
- Piles that cannot be removed must be grouted in place.
- Ground stabilization is necessary because voids left behind when piles are removed weaken the riverbed.

Change Order Scope of Work

The change order adds the removal of Pier 68 piles and associated ground improvement to the Hudson River Ground Stabilization Project.

Change Order Work Elements

- Extend the temporary cofferdam in the Hudson River 265 feet east toward Manhattan.
- Perform a riverbed survey to locate piles.
- Remove submerged piles.
- Ground improvement, including:
 - Strengthening the riverbed.
 - Grouting remaining piles in place.



Hudson River Ground Stabilization Contract GDC24-004-HTP Change Order



Contractor: Weeks Marine

Contract Price: \$88 Million

Market Case Estimate: \$105.7 Million

Anticipated Schedule:

- Begin work in late 2026
- Complete work in 2028

Adding this work to the scope of the existing Hudson River Gound Stabilization contract is the most cost-effective approach:

- Weeks Marine is mobilized and performing similar work including the test project.
- The change order work will be a seamless continuation of the current project.



Public Comment

Action Items

#0726-01: Authorization of Increase in Contract GDC24-004-HTP, Performance of Expert Professional Design-Build Services for the Hudson River Ground Stabilization Project.

#0726-02: Approval of Increase of Market Case Estimate for the Hudson River Ground Stabilization Project.



GATEWAY DEVELOPMENT COMMISSION