

Manhattan Tunnel Project

Update on Impacts to Hudson River Park
Hudson River Park Advisory Council – 9/9/25

For Indicative, Illustrative, Contemplative Purposes Only

DELVE
underground
ENGINEERING, PLLC

FK
FRONTIER-KEMPER
CONSTRUCTORS, INC.

Tutor
Perini

**GATEWAY DEVELOPMENT
COMMISSION**

Agenda

- Engagement to Date
- Draft Bikeway/Walkway Relocation Plans
- Draft 12th Avenue Lane Shifts
- Timeline for Engagement with Key Stakeholders
- Marine Temporary Structures

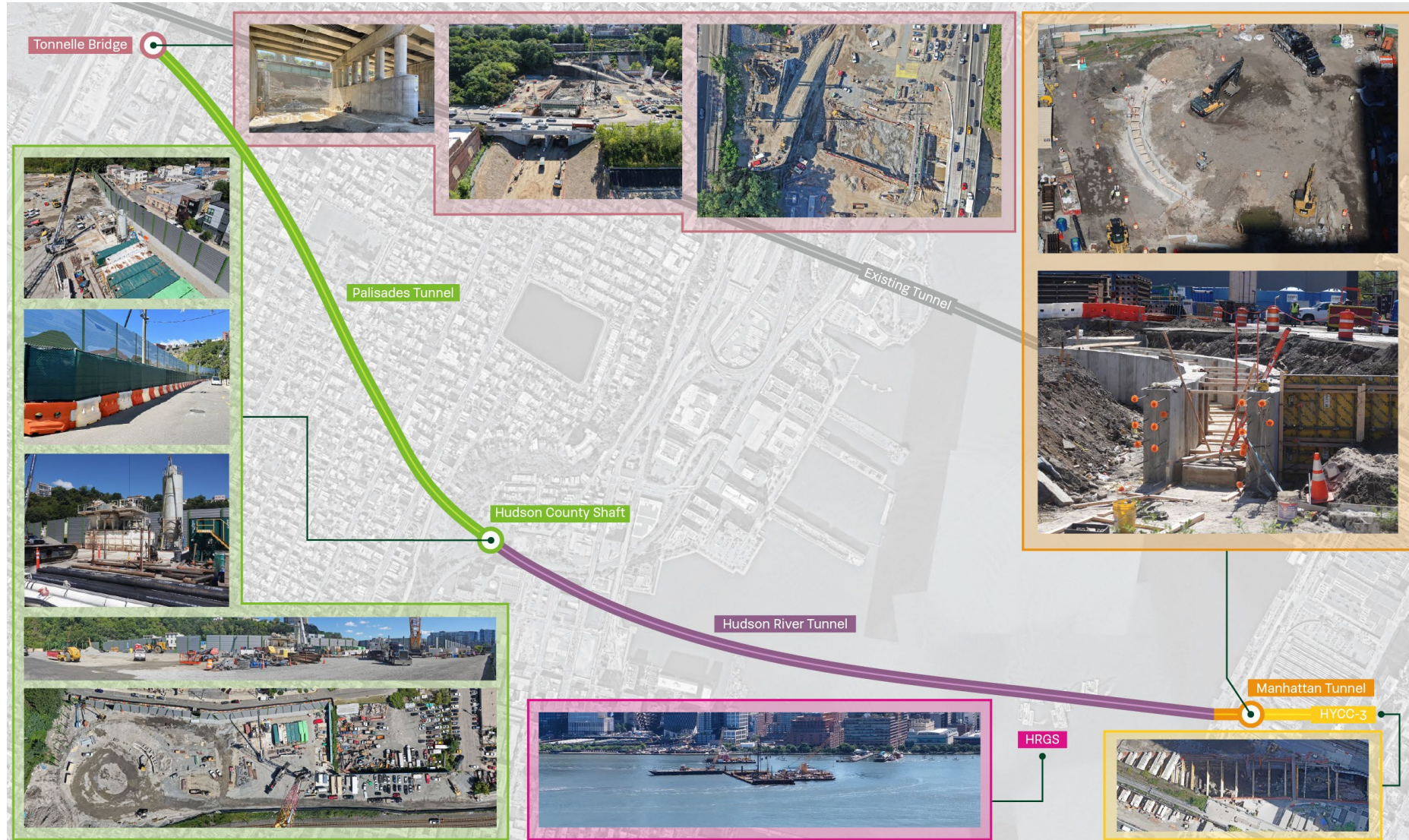
Engagement To Date



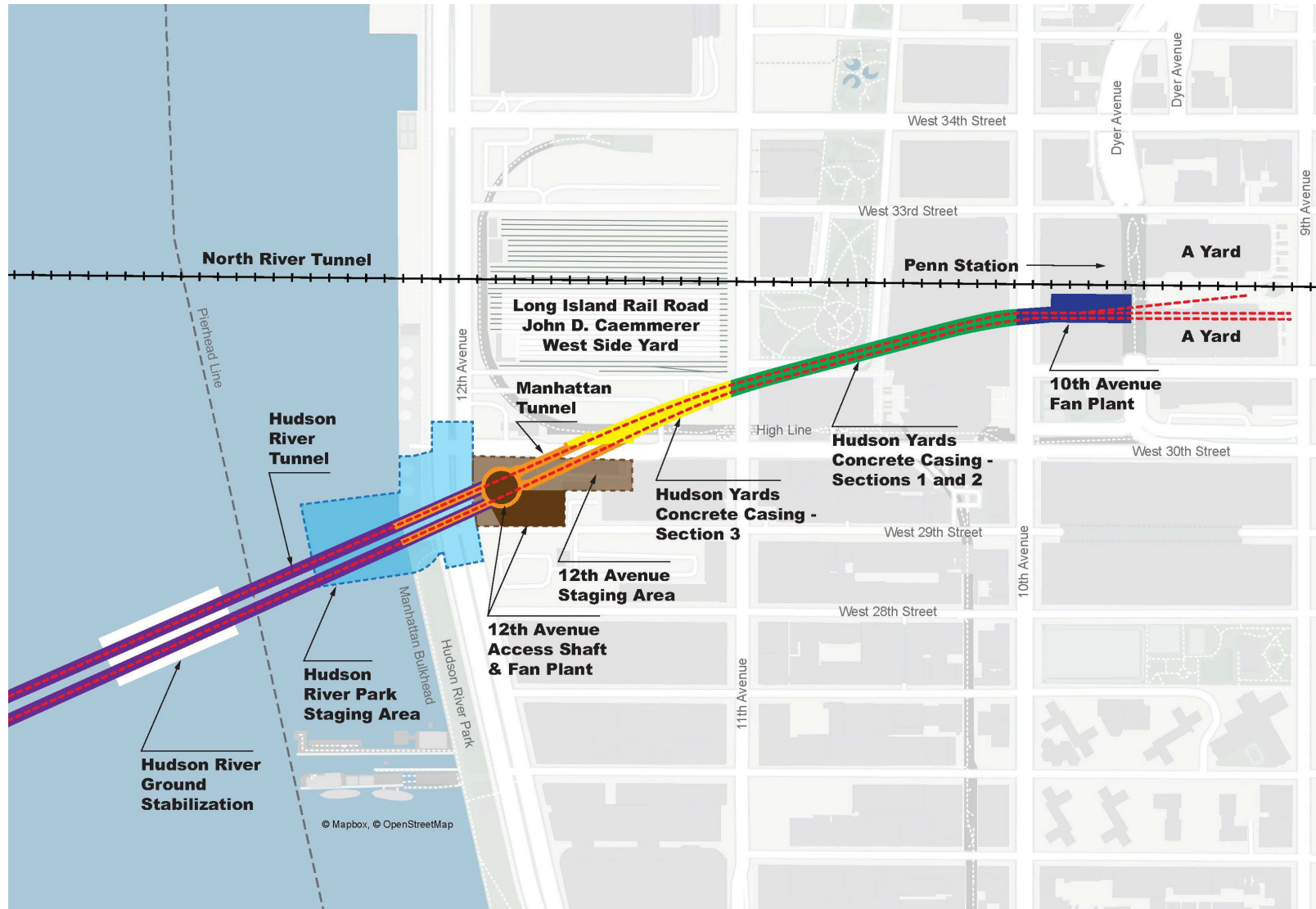
Prior Community Engagement

- **6/13/24:** GDC presented to CB4 Waterfront, Parks, and Environment (WPE) Committee regarding Proposed Changes to Project Work as part of NEPA Section 4(f) Process
- **7/12/24:** CB4 submitted Comment Letter subject “Hudson River Gateway Tunnel Project” as part of Section 4(f) Process
- **4/10/25:** GDC presented to CB4 WPE Committee regarding Proposed Changes to Project Work as part of NEPA Section 4(f) Process
- **5/19/25:** CB4 submitted Comment Letter subject “Hudson Tunnel Project Impacts and Community Benefits” as part of Section 4(f) Process
- **6/18/25:** CB4 and GDC leadership met to discuss outreach and engagement options
- **Fall 2025:** CB4 to submit list of focus items for outreach and engagement to GDC

Project Overview Map – Active Construction



Project Overview Map – Manhattan



GDC/HRPT Coordination

- As the design and work has progressed in Hudson River Park (HRP), GDC and the Manhattan Tunnel Design-Build Contractor (Frontier-Kemper-Tutor Perini [FKTP]) have been holding regular coordination meetings with Hudson River Park Trust (HRPT)
- GDC is committed to working closely with HRPT, the HRPT Advisory Council, and the local community throughout the life of the project to ensure as little interruption to HRP users as possible





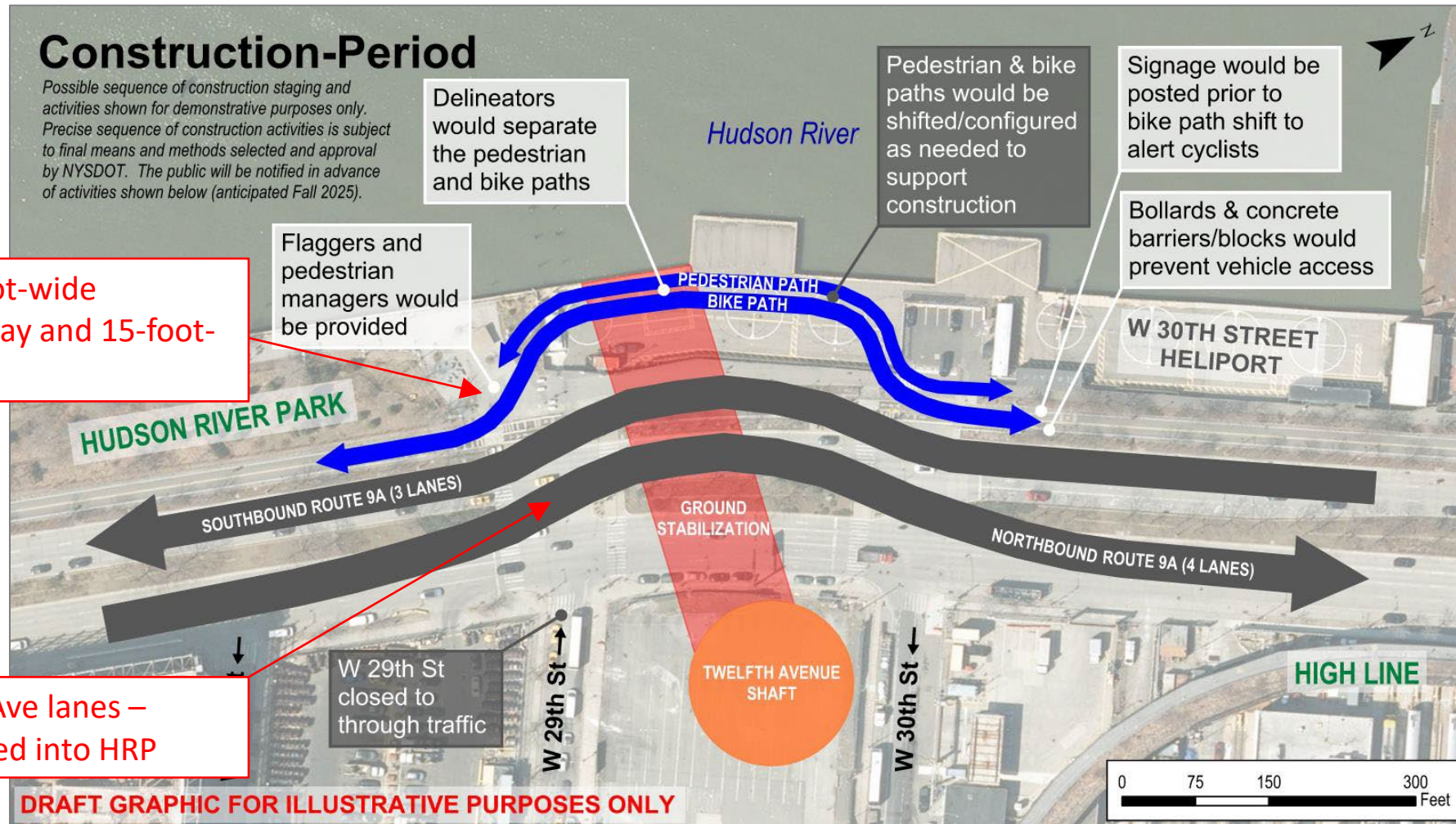
Conceptual Draft Plan

- In April 2025, GDC proposed modifications to the project particular to the Hudson River and Manhattan waterfront portions of the Project Area
- Key modifications as of April 2025:
 - Ground stabilization in HRP and across 12th Avenue
 - Ground stabilization at the Bulkhead
 - Longer duration of work in HRP
 - Modified construction footprint in HRP

Conceptual Draft Plan

Construction-Period

Possible sequence of construction staging and activities shown for demonstrative purposes only. Precise sequence of construction activities is subject to final means and methods selected and approval by NYSDOT. The public will be notified in advance of activities shown below (anticipated Fall 2025).



April 2025: 12-foot-wide pedestrian walkway and 15-foot-wide bikeway

April 2025: 12th Ave lanes – sequentially shifted into HRP

Delineators would separate the pedestrian and bike paths

Pedestrian & bike paths would be shifted/configured as needed to support construction

Signage would be posted prior to bike path shift to alert cyclists

Bollards & concrete barriers/blocks would prevent vehicle access

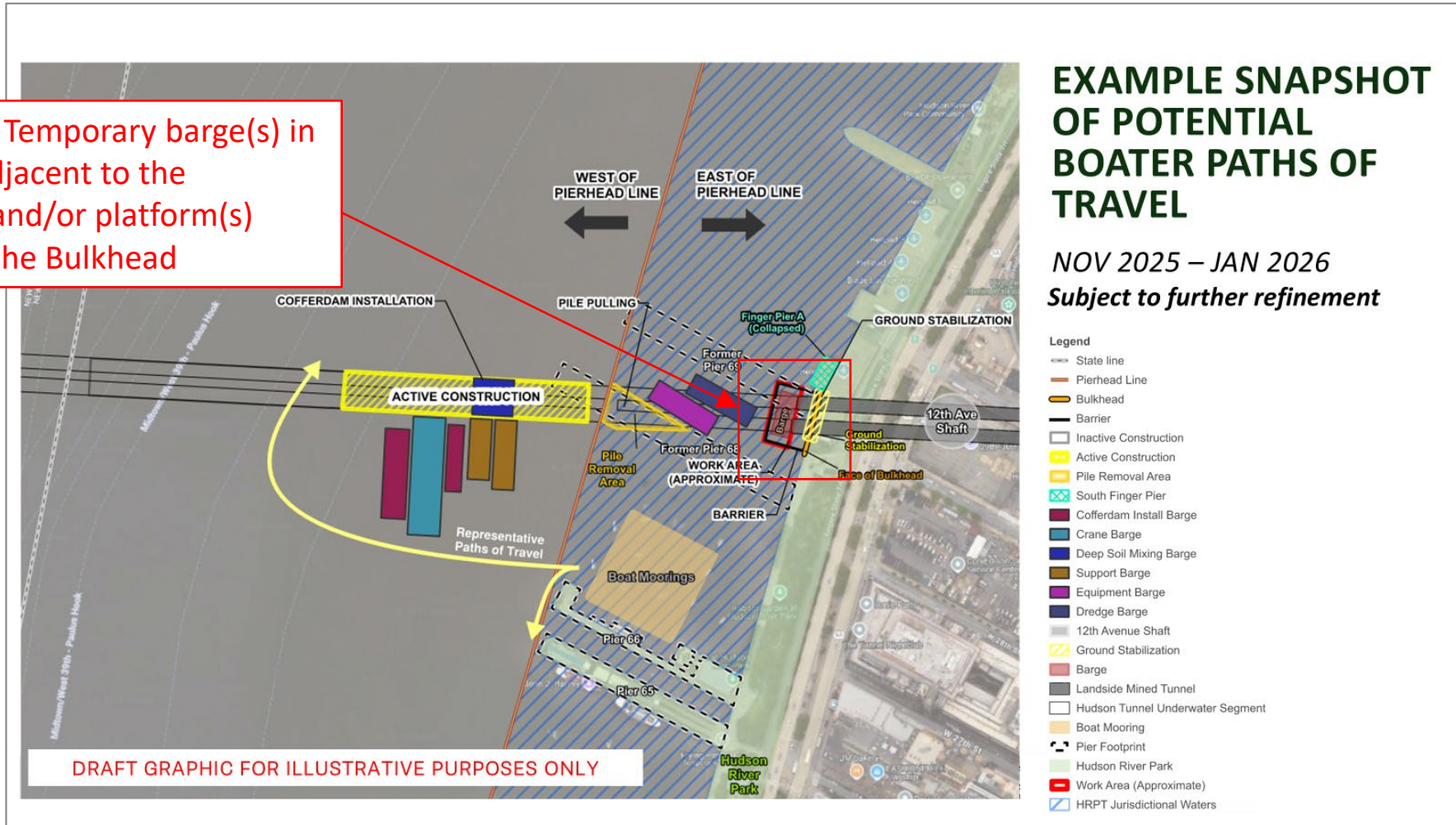
Flaggers and pedestrian managers would be provided

DRAFT GRAPHIC FOR ILLUSTRATIVE PURPOSES ONLY

Source: April 2025 GDC presentation to Community Board 4 Waterfront, Parks, and Environment Committee

Conceptual Draft Plan

April 2025: Temporary barge(s) in the river adjacent to the Bulkhead, and/or platform(s) straddling the Bulkhead



EXAMPLE SNAPSHOT OF POTENTIAL BOATER PATHS OF TRAVEL

NOV 2025 – JAN 2026

Subject to further refinement

Source: April 2025 GDC presentation to Community Board 4 Waterfront, Parks, and Environment Committee

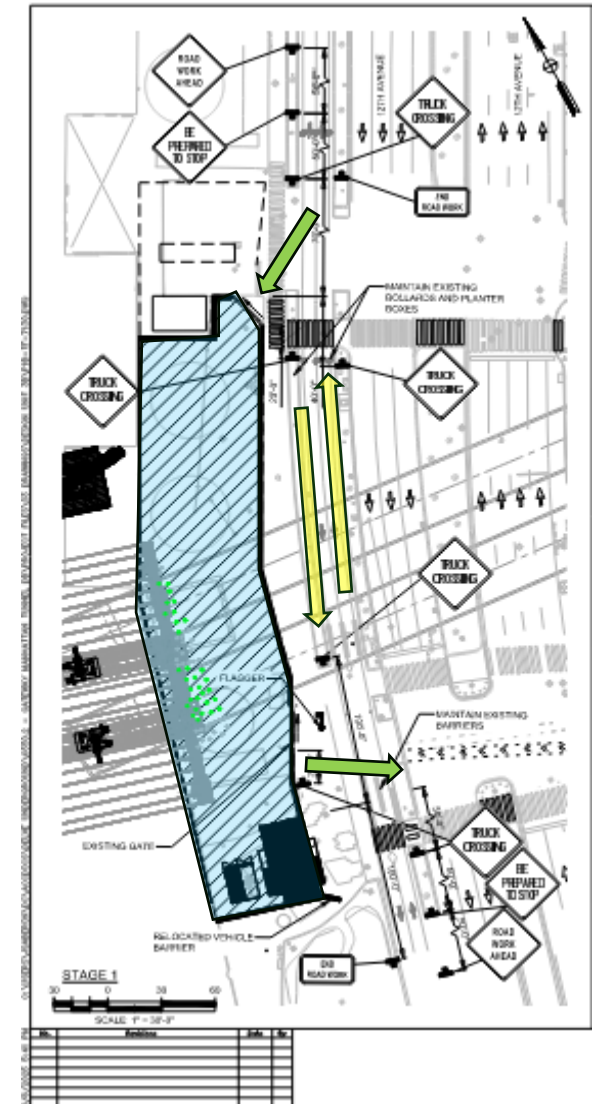
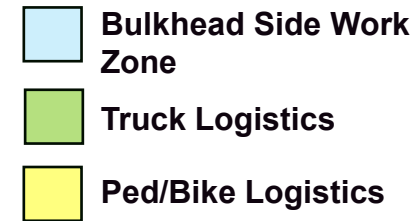
Draft Bikeway/Walkway Relocation Plans

Draft Overview of Ped/Bike Lane Adjustment 2025-2027

- Three stages (approximate dates subject to change):
 - Stage 1: Q3 2025 - Q4 2025
 - Stage 2: Q1 2026 - Q2 2026
 - Stage 3: Q2 2026 - Q4 2027
- Internal Maintenance and Protection of Traffic (MPT) Focus Meetings:
 - GDC coordination with contractor, HRPT, NYCDOT, NYSDOT, PANYNJ, Amtrak
 - Continued conversations and MPT plan refinement before sharing publicly
- All trees that are removed will be replaced/replanted at the conclusion of the project

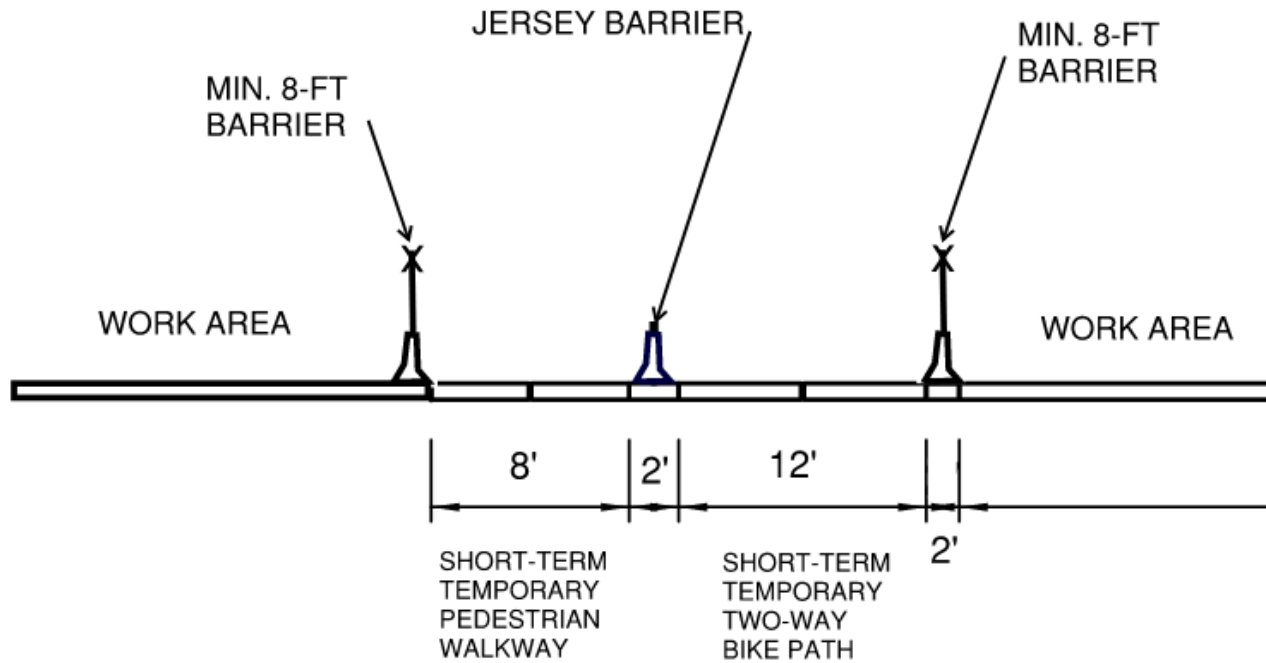
Bike/Ped Stage 1: Q3 2025 – Q4 2025

- **Overview:** No major changes to bikeway or walkway configuration as the contractor performs preparatory work for Stage 2
- **Bikeway/Walkway Width:** 15 feet/10-17 feet
- **Truck Traffic:** Less than 15 trucks per day will enter and exit at northern and southern ends of Bulkhead Side Work Zone
- **Safety Measures:** Flaggers, signage
- **Contractor Finalizing:** Configuration of bike connections to W. 29th and W. 30th, possibility of bike speed reduction signage

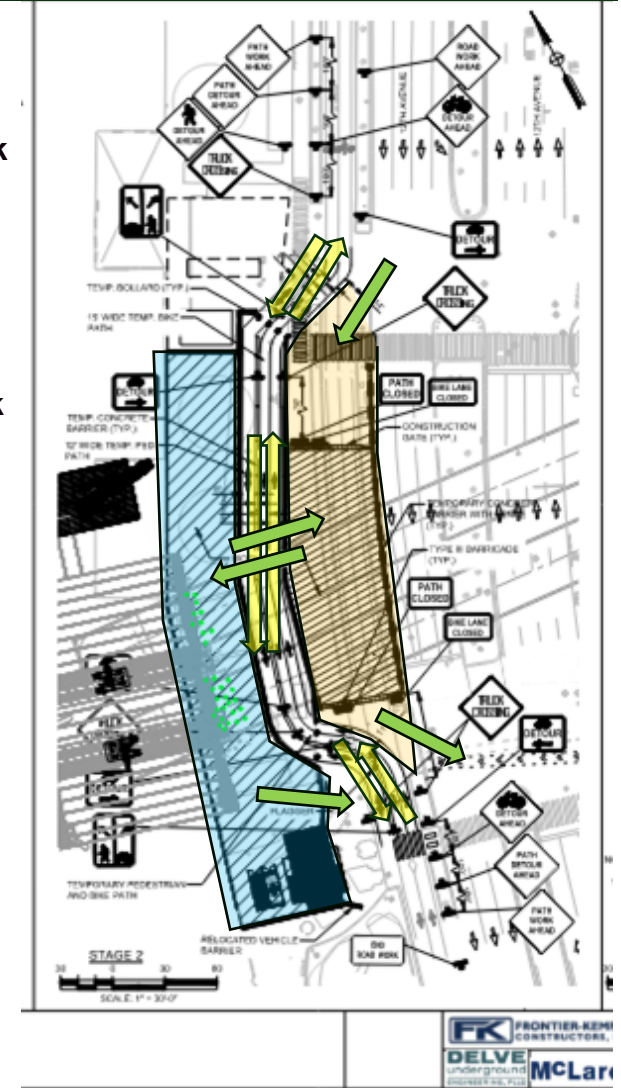


Bike/Ped Stage 2: Q1 2026 – Q2 2026

Proposed Cross-Section of Stage 2

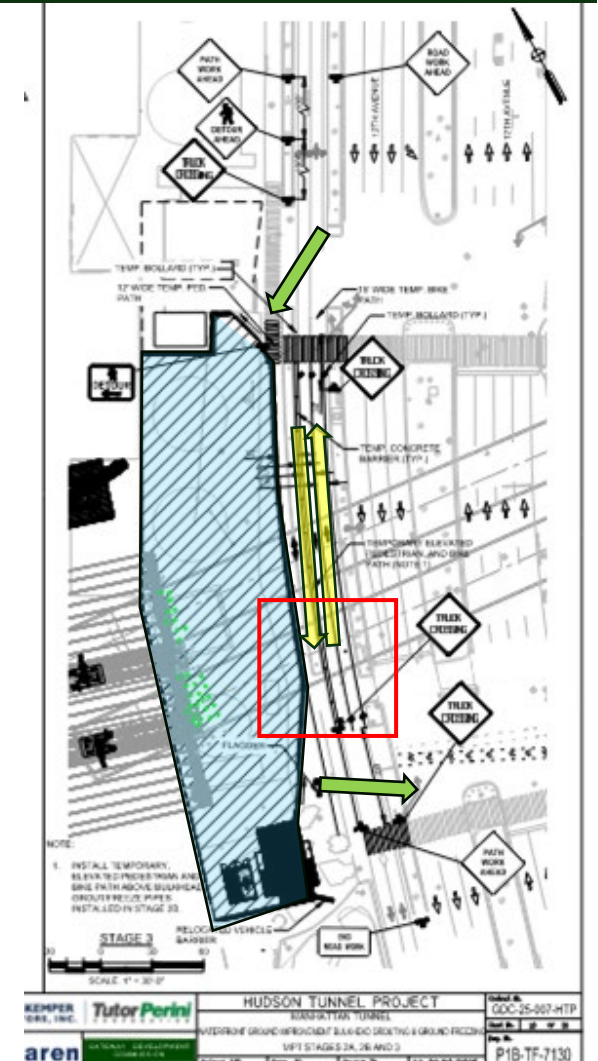
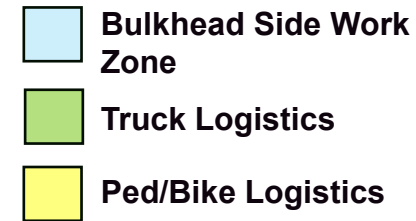


- Bulkhead Side Work Zone
- Truck Logistics
- Ped/Bike Logistics
- Roadway Side Work Zone



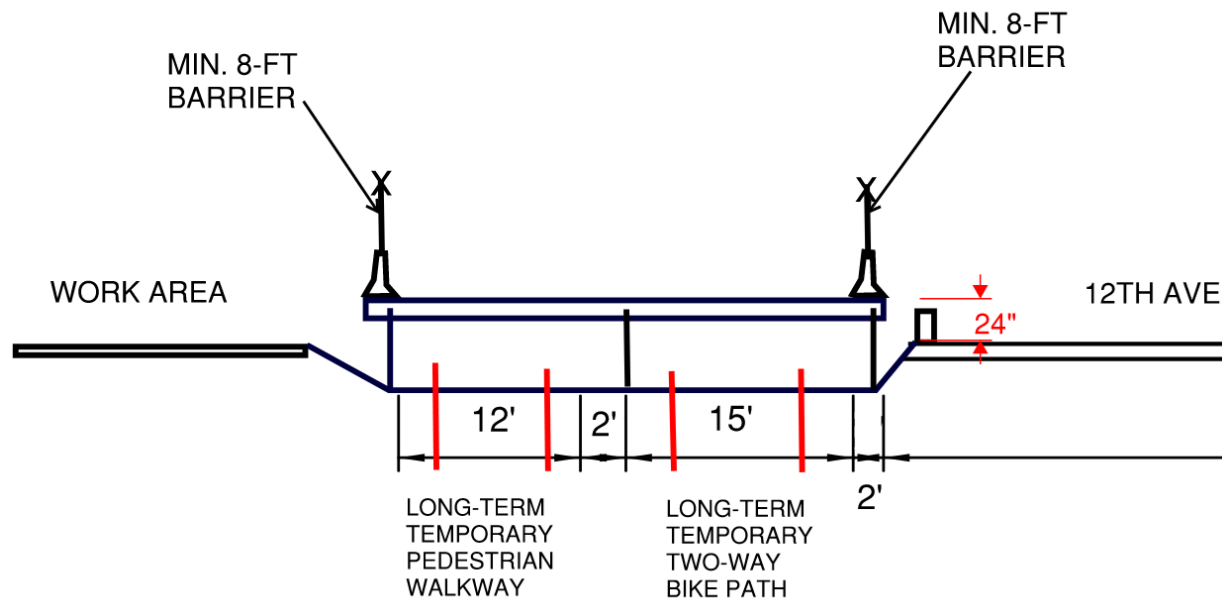
Bike/Ped Stage 3: Q2 2026 – Q4 2027

- **Overview:** Bikeway and walkway will return to original configuration; a 100-foot-long, 2-foot-high elevated structure along the paths to accommodate freeze pipes will be installed with 40-foot-long on and off ramps
- **Bikeway/Walkway Width:** 15 feet/12 feet
- **Truck Traffic:** Trucks will enter and exit at northern and southern ends of work area
- **Safety Measures:** Flaggers, signage
- **Contractor Finalizing:** Configuration of bike connections to W. 29th and W. 30th

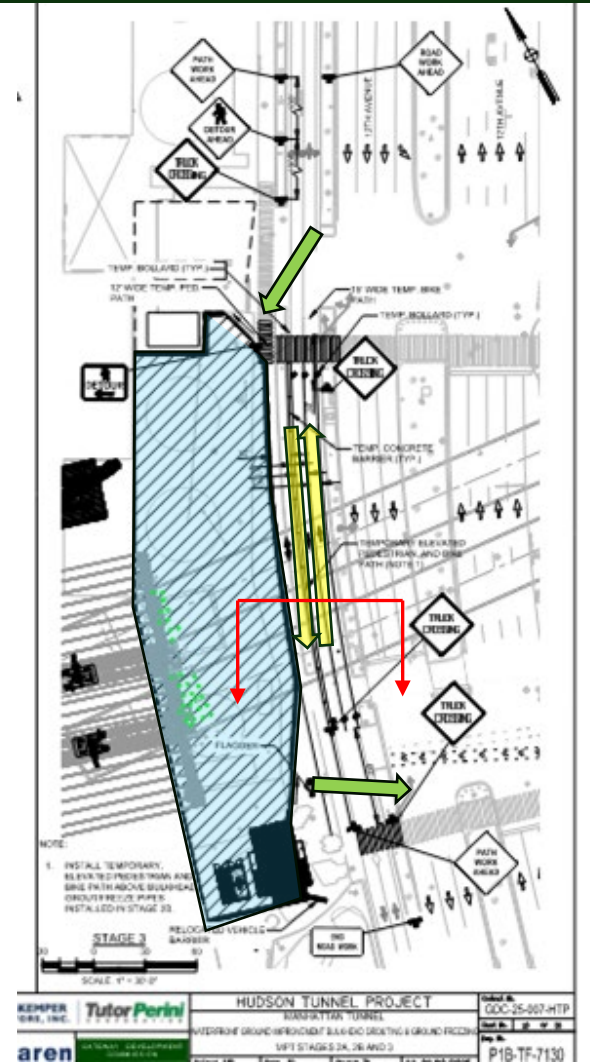


Bike/Ped Stage 3: Q2 2026 – Q4 2027

Proposed Cross-Section of Stage 3



- Bulkhead Side Work Zone
- Truck Logistics
- Ped/Bike Logistics



Draft 12th Avenue Lane Shifts

Draft 12th Avenue Lane Shifts 2025 – 2027

- **Overview:** GDC's contractor will shift traffic on 12th Avenue to accommodate ground freezing within the roadway
 - Roadway lanes will be 11/12 feet wide during all stages
- **Five stages** between Q3 2025 and Q1 2027
- **Pedestrian Impacts:**
 - Eastern sidewalk on 12th Avenue will be closed and pedestrians will be detoured across the street into HRP
 - Northern crosswalk at 12th Avenue/W. 29th Street will be closed
 - Pedestrian refuges will be established mid-crossing at 12th Avenue/W. 30th Street and 12th Avenue/W. 29th Street
- All trees that are removed will be replaced/replanted at the conclusion of the project

12th Avenue Stage 1: Q3 2025 – Q1 2026

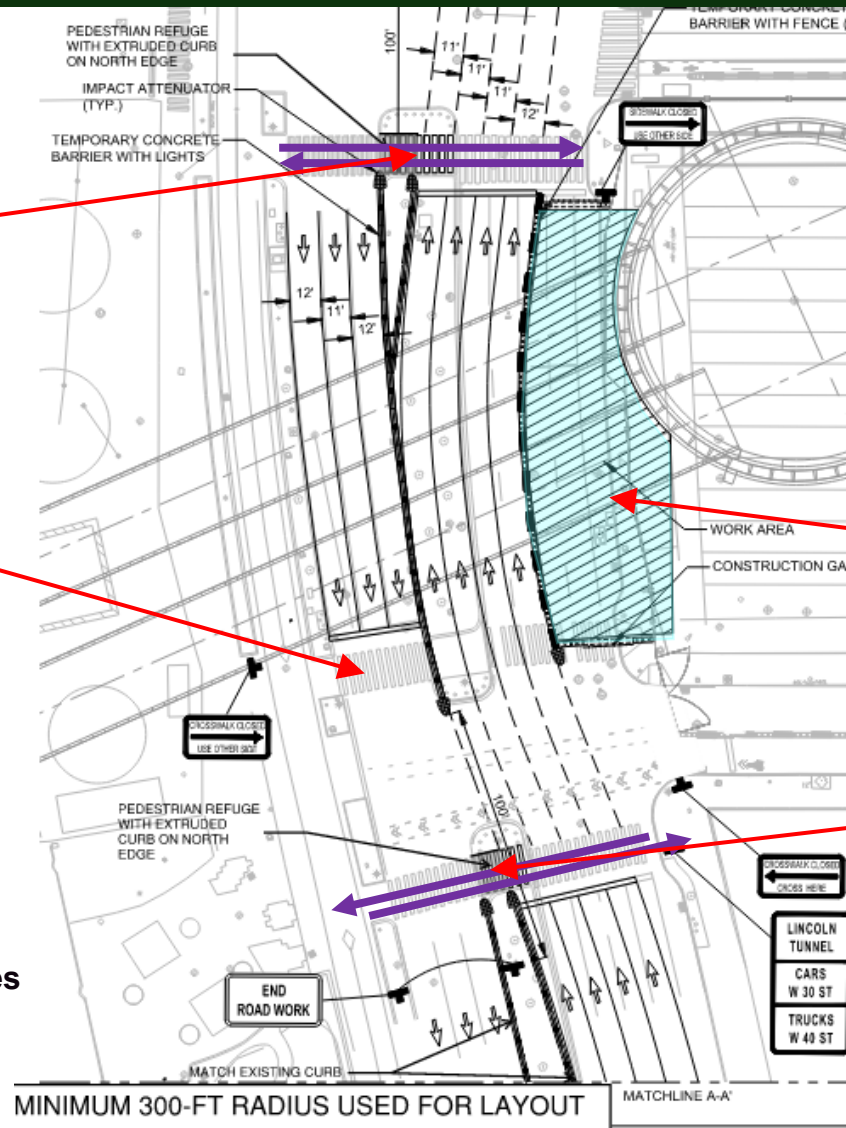
Pedestrian refuge area mid-crossing

Northern crosswalk at 12th Avenue/W. 29th Street closed

Eastern sidewalk on 12th Avenue closed

Pedestrian refuge area mid-crossing

-  Pedestrian Travel Routes
-  Roadway Work Zone





12th Avenue Stage 3: Q2 2026 – Q3 2026

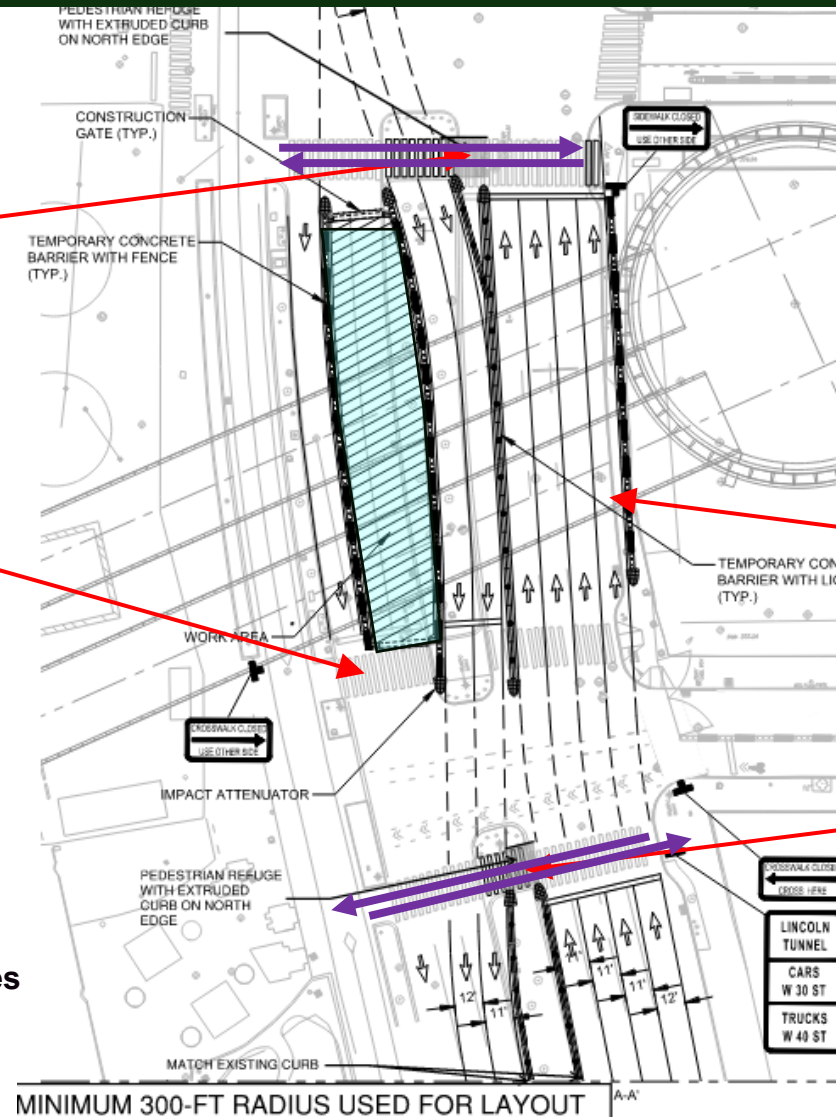
Pedestrian refuge area mid-crossing

Northern crosswalk at 12th Avenue/W. 29th Street closed

Eastern sidewalk on 12th Avenue closed

Pedestrian refuge area mid-crossing

-  Pedestrian Travel Routes
-  Roadway Work Zone



12th Avenue Stage 4: Q3 2026 – Q4 2026

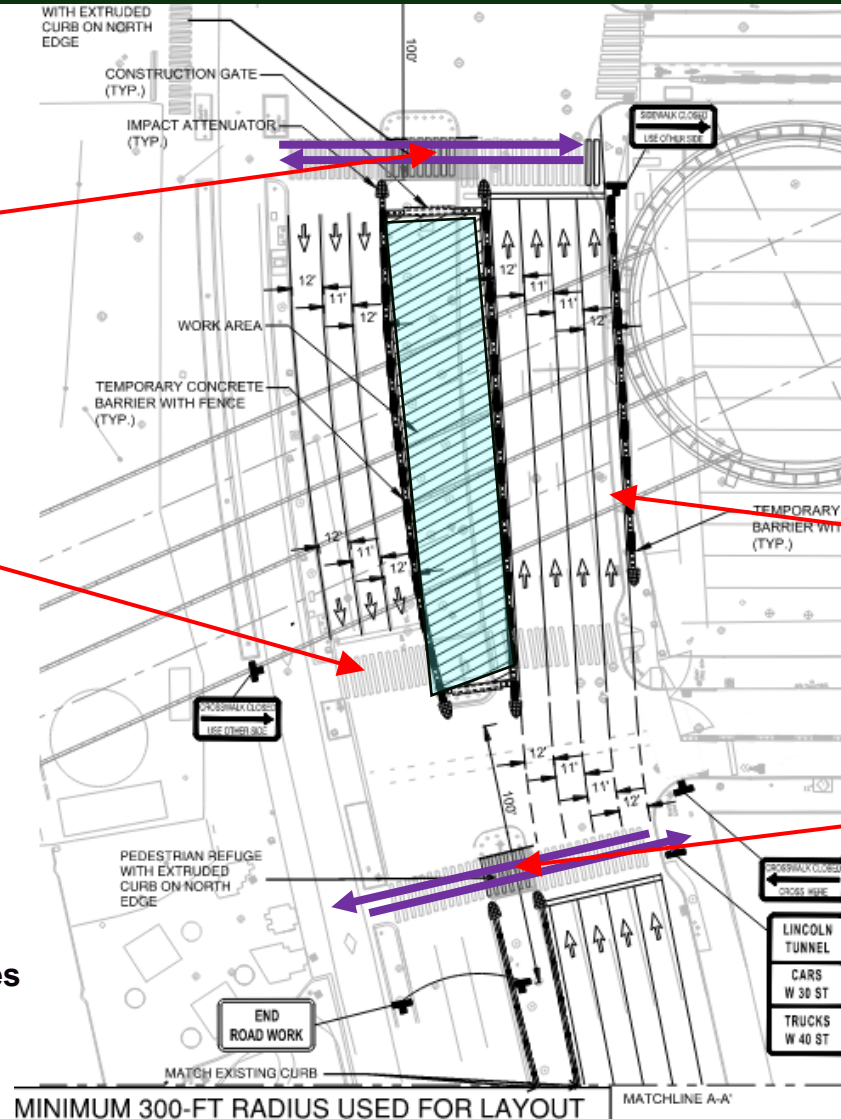
Pedestrian refuge area mid-crossing

Northern crosswalk at 12th Avenue/W. 29th Street closed

Eastern sidewalk on 12th Avenue closed

Pedestrian refuge area mid-crossing

-  Pedestrian Travel Routes
-  Roadway Work Zone





12th Avenue Stage 5: Q4 2026 – Q1 2027

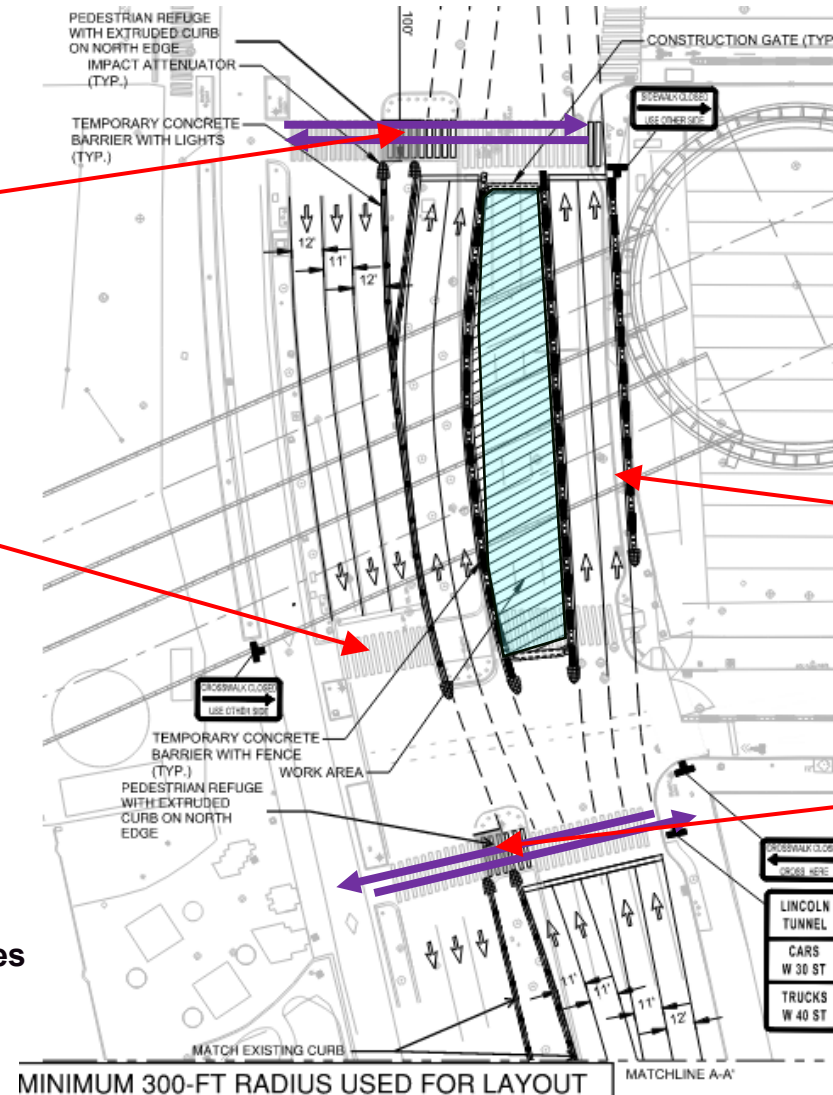
Pedestrian refuge area mid-crossing

Northern crosswalk at 12th Avenue/W. 29th Street closed

Eastern sidewalk on 12th Avenue closed

Pedestrian refuge area mid-crossing

-  Pedestrian Travel Routes
-  Roadway Work Zone



Timeline for Engagement with Key Stakeholders



Stakeholder Engagement on Bike/Ped Changes

GDC is considering the following timetable for engagement with key stakeholders to describe changes to the bikeway/walkway in Hudson River Park and outline strategies to keep all those who enjoy the Park safe – bicyclists, pedestrians, tourists, and construction crews on site:

Date	Entity	Activity
9/9/2025	Hudson River Park Advisory Council	Focused presentation at bimonthly meeting.
9/11/2025	Community Board 4 Waterfront, Parks and Environment Committee	Focused presentation at upcoming Committee meeting; request for joint presentation.
9/25/2025	Hudson Tunnel Project Manhattan Construction Task Force Meeting	Describe bike/peds changes during monthly presentation.
Ongoing	Public Outreach	Distribute construction notices; press outreach; outreach to cycling community; social media posts; continued engagement with HRP Advisory Council and Community Board 4.

Public Outreach

- **Cycling Community**
 - GDC will inform transportation advocacy groups and cycling clubs about upcoming changes in advance of implementation so these groups can accurately respond to questions and route accordingly
 - Targets for outreach will include: Open Plans, Transportation Alternatives, Bike New York, Complete George, Los Deliveristas Unidos, and New York Cycle Club (NYCC)
- **General Public**
 - All closures and configuration shifts will be communicated via Construction Notices sent to GDC's mailing list and posted on GDC's website at www.gatewayprogram.org/manhattan-tunnel-project in advance of work beginning

Ways to Engage

- The project team is eager to hear about experiences in the Park during all stages of construction to help refine plans to better accommodate all users. The public can use the following channels to share feedback:
 - Phone: 1-800-239-9497
 - Email: ManhattanConstruction@gatewayprogram.org
- Keep track of construction progress on GDC's website
 - Join Construction Notice and Boater Safety mailing lists on project pages:
 - [Manhattan Tunnel page](#)
 - [Hudson Yards Concrete Casing-3 page](#)
 - [Hudson River Ground Stabilization page](#)
 - Join GDC's general mailing list on the [Media Center page](#)
 - Check out GDC's live project Earthcams at <https://www.gatewayprogram.org/>

Join GDC's Manhattan Construction Notice Mailing List

The Gateway Development Commission sends out regular Construction Notice to GDC's Manhattan Construction Notice mailing list, please fill out the form below.

Subscribe * indicates required

Email Address *

First Name

Last Name

Phone Number

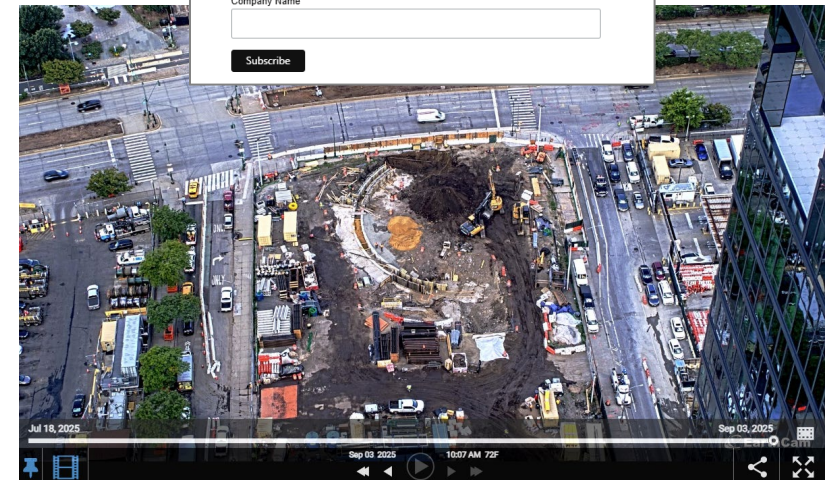
Address

Address Line 2

City State/Province/Region Postal / Zip Code

Country

Company Name

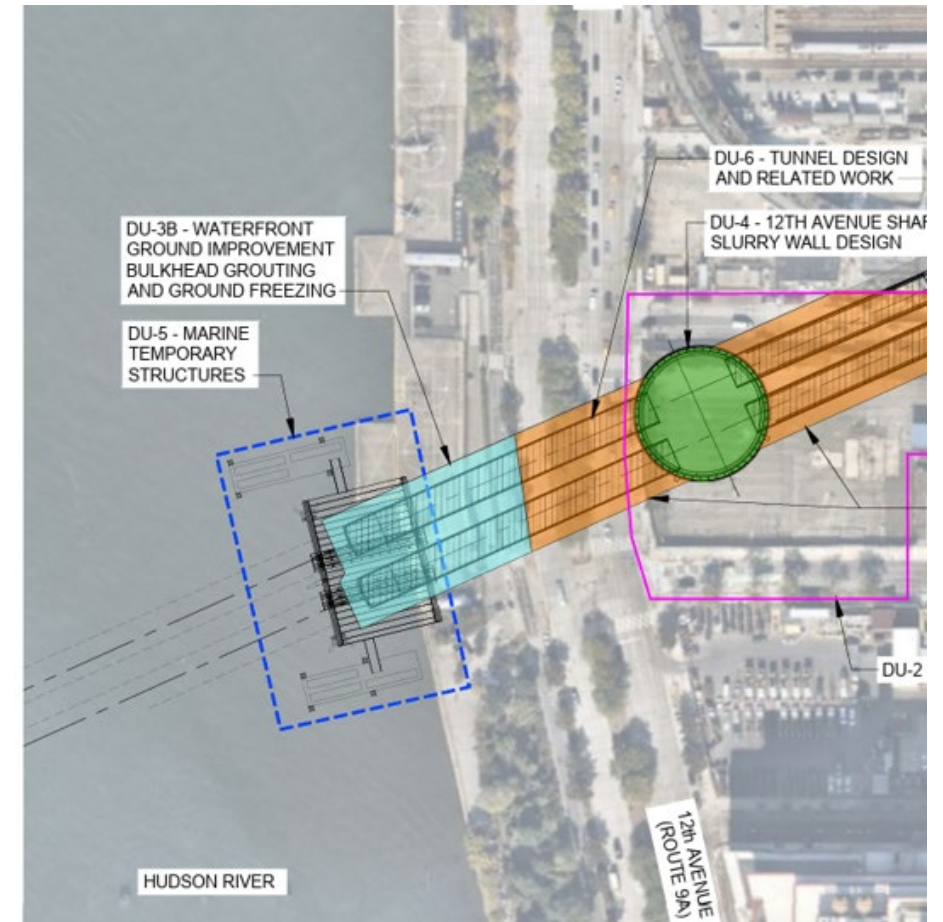




Marine Temporary Structures



Marine Temporary Structures (MTS)

- **Overview:** GDC's contractor will install marine structures to hold equipment that will stabilize the ground for future tunnel boring under a separate contractor
- **Timeline:** Construction to take place as early as Q3 2025 – Q1 2026, platforms anticipated to be removed Q1 2028
- **Safety:** Contractor coordinating with U.S. Coast Guard and U.S. Army Corps of Engineers, GDC working with HRPT and local stakeholders
- **Coordination:** Consultation with NYS Department of Environmental Conservation (DEC), National Oceanic Atmospheric Association National Marine Fisheries Service (NOAA NMFS) and Endangered Species Act (ESA) and Essential Fish Habitat (EFH)



Marine Temporary Structures (MTS)



-  Footprint of Marine Temporary Structure
-  Work Area in Hudson River Park

Marine Temporary Structures (MTS)



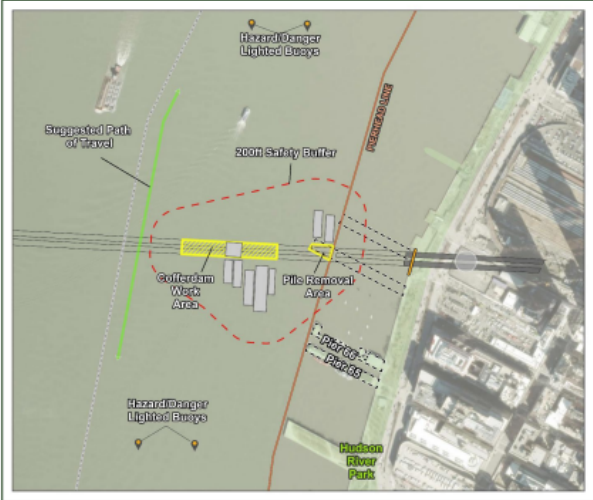
Marine Temporary Structures (MTS)

- Boater safety
 - Install solar lighted signal system on Marine Temporary Structures
 - Follow USACE and USCG regulations
 - Dissemination of Boater Safety Alerts
 - Weekly updates to USCG Notice to Mariners
- Engagement with the boating community
 - Monthly meetings with Hudson River Community Sailing
 - Planned educational presentation to HRCS participants in fall
 - Coordination with ferry and commercial operators

JULY 30, 2025 | HUDSON RIVER GROUND STABILIZATION GATEWAY DEVELOPMENT COMMISSION

Boater Safety Alert

Boaters should be aware of divers, environmental monitoring, and relocated buoys in the vicinity of HRGS construction. Boaters should only use the western side of the navigable channel, maintain a 200' buffer to structures and barges, and use extreme caution around all areas of the work.




The Hudson River Ground Stabilization (HRGS) project will fortify a section of the riverbed to enable tunnel boring machine operations for the future Hudson River Tunnel. New elements will include:

- Divers to be mobilized as part of the pile removal operation in the footprint of Former Piers 68 and 69.
- Normandeau Associates, Inc. to conduct environmental monitoring from a 25' survey vessel in the area around the cofferdam.
- Southern hazard/danger buoys to move eastward to accommodate the shifting cofferdam footprint.

All boaters should only use the western side of the navigable channel, maintain a 200' buffer to structures and barges, and use extreme caution around all areas of the work. For more information, please reference the United States Coast Guard (USCG) Notice to Mariners (available at [USCG.mil](https://www.uscg.mil)).

Safety is our #1 priority. The Gateway Development Commission will continue to keep the boating community updated as this project progresses.



The Gateway Development Commission provides this information as a public service. Any reliance you place on such information is therefore strictly at your own risk. Nothing in these guidelines shall supersede the actual construction conditions and regulations set forth by the U.S. Coast Guard.

Questions?