KEY BRIDGE REBUILD
RECONNECT • REVITALIZE • REIMAGINE

Maryland Transportation Authority
MDTA

# Virtual Community Update

December 16, 2025

# Topics

- Guest Presenters
- Project Update
- Commuter Options
- Advancing the Rebuild
- Pre-Construction Activities
- Engagement
- Questions & Answers

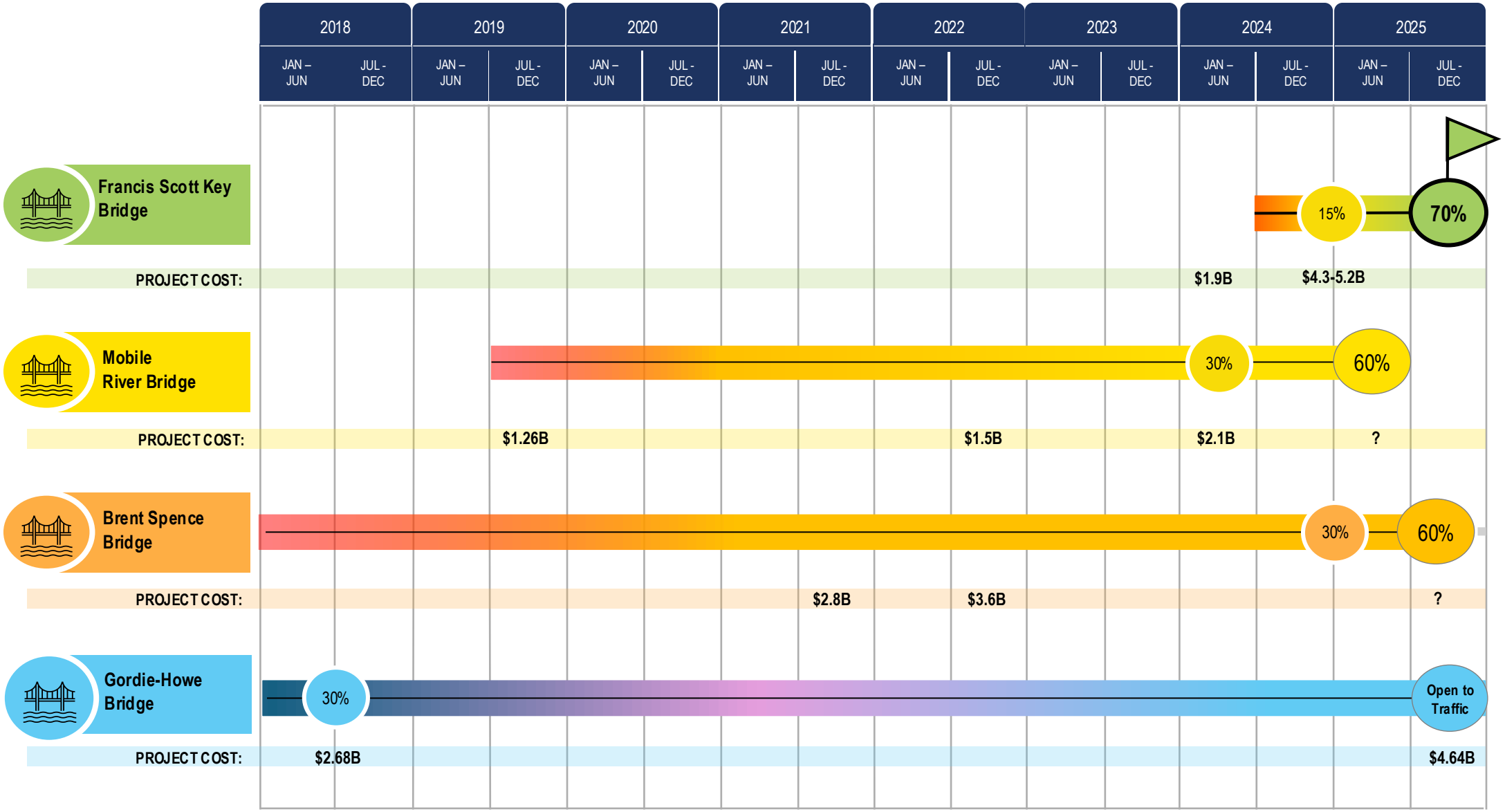
# Project Update

# Cost and Schedule

- **Updated Cost & Schedule**
  - Estimated cost range: $4.3–$5.2 billion
  - Anticipated open-to-traffic: Late 2030
- **Early Cost Estimates**
  - Initial estimate developed less than two weeks after the collapse
  - Required to secure federal funding with limited information
  - Design was at 0%, with no engineering studies completed
- **Accelerated Progress**
  - In just 14 months, the project advanced to 70% design
  - Progress typically takes 6–7 years on projects of this scale
  - Pre-construction activities and updated data informed refined estimates

# Cost and Schedule

- **Key Cost Drivers**
  - Enhanced pier protection meeting federal safety requirements
  - Higher and longer main-span to accommodate marine traffic
  - Volatile construction market conditions
- **Modern Standards & Requirements**
  - Designed to meet modern design standards, federal requirements, national best practices
  - Federal navigation clearance requirements, including a 230-foot height

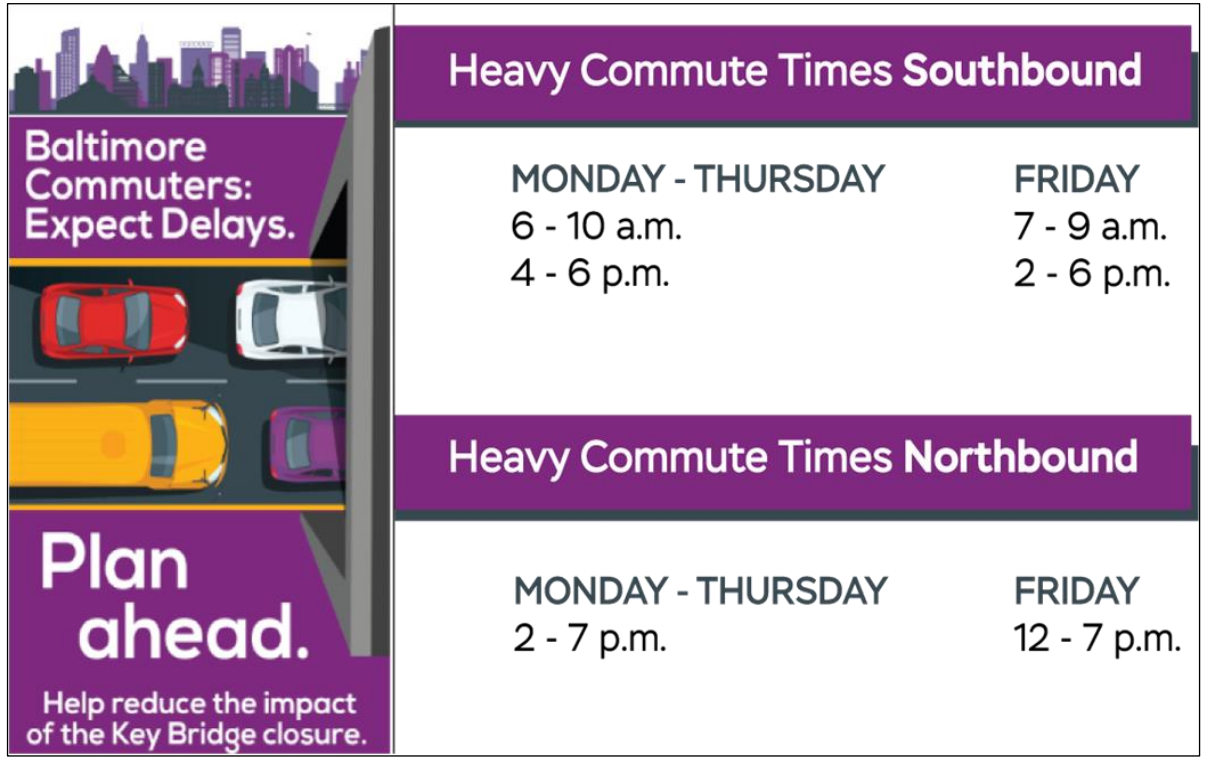

2018
2019
2020
2021
2022
2023
2024
2025
JAN – JUN
JUL - DEC
Francis Scott Key Bridge
15%
70%
PROJECT COST:
$1.9B
$4.3-5.2B
Mobile River Bridge
30%
60%
PROJECT COST:
$1.26B
$1.5B
$2.1B
?
Brent Spence Bridge
30%
60%
PROJECT COST:
$2.8B
$3.6B
?
Gordie-Howe Bridge
30%
Open to Traffic
PROJECT COST:
$2.68B
$4.64B

# Cost and Schedule

- **Construction Moving Forward**
  - Construction expected to begin next year, with efforts underway to address Baltimore-area traffic impacts
- **Commitment to Delivery**
  - Teams are working around the clock to deliver a safe, modern bridge the community can be proud of
- **Strong Federal & Project Partnerships**
  - Ongoing coordination with FHWA and design partner Kiewit on permitting, design, cost, and schedule
- **Protecting Taxpayers**
  - Maryland continues pursuing responsible parties to recover reconstruction costs and minimize taxpayer burden

# Traffic and Travel Impacts

- Thank you for adjusting routes, carpooling, and using transit
- Traffic has shifted to the Fort McHenry and Harbor tunnels
- Expect longer rush hours and delays on I-95 and I-895
- Traffic is monitored daily, with temporary solutions in place
- Targeted toll and roadway adjustments are helping improve traffic flow



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# Managing Mobility Post FSK Impact

December 16, 2025

# Goal: Relieve Impacts to Commuters

## Helping Travelers Post-FSK Bridge Collapse:

- Best real-time information possible
- Adjust transport operations
- Providing new travel options

## Deliver Measurably Better Benefits:

- Reducing congestion
- Increase convenience
- Minimize impacts on local communities

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# Related Mobility Offerings

- **Commuter Choice Maryland** free commuter benefits (resources and incentives)
- **Transit Royale App** provides real-time arrival information across transit modes
- **CHART Travel Time** Website displays travel routes and travel times
- **Signalization and Timing Improvements** to 30 signals during the initial 5-month period following the bridge collapse

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# Commuter Choice Maryland's Free programs and tools!

Commuters, visit:

**Baltimorecommutes.org**

Employers, contact:

**commuterchoice@mdot.state.md.us**

## Find Out About Your Options

Sign up for your free Commuter Connections account on baltimorecommutes.org.

## Baltimore Carpool Incentive Program

Earn $5 per day for the first 90 days of carpooling.

## Baltimore Vanpool Incentive Program

Vanpools receive $500 a month towards the cost of their vans.

## CharmPass for Commuters

Sign up during a select period to receive FREE transit passes.

## CommuterCash

Earn rewards for commuting with the CommuterCash app.

## Guaranteed Ride Home

6 free trips home per year for emergency situations.

## Employer Partner Program

Free recognition to employers for offering commuter benefits.

## Maryland Commuter Tax Credit

Claim a tax credit by offering employees commuter subsidies.

## FareShare for Employers

Receive up to $3,000 to purchase transit passes for your employees.

## Tools and Resources

Additional support including webinars, toolkits, guides, and more!

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# Ride Together Rewards: Transit Incentives Program, Carpool Incentive Program, Vanpool Incentive Program

- MDOT's **new Transit Incentive Program** is making it easier to ride the bus and train in the Greater Baltimore area with **two new incentives**.
  - **Commuter Incentive:** During select promotional periods, new transit users can download the CharmPass mobile app and receive FREE transit passes.
  - **Employer Incentive:** Employers can receive up to $3,000 to purchase transit passes for your employees through the FareShare program.
- Unlock a new commute with the **Vanpool Incentive Program**.
  - Vanpools in the Baltimore region now qualify for a **$500 monthly incentive** through the new Baltimore Commutes Vanpool Incentive Program!
- Utilize the **Carpool Incentive Program** for your commute and earn rewards for the first 90 days!
  - Employees who carpool to work in the Baltimore region now qualify for a **$5 daily incentive** during a **90-day special incentive period** through the new Baltimore Commutes Carpool Program!

**Visit: BaltimoreCommutes.org or mdot.maryland.gov/transitincentives**

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# Ongoing Effort to ID New Actions

- Coordination with TSO, SHA, MTA, MDTA and Local Jurisdictions, Partner Employers
- Areas coming online:
  - New transit incentive programs
  - Physical infrastructure enhancements
  - Targeted Corridor benefits
  - Increased engagement with employers

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# Join up to improve the commute!

## Commuter Connections
## tdm.commuterconnections.org/mwcog/

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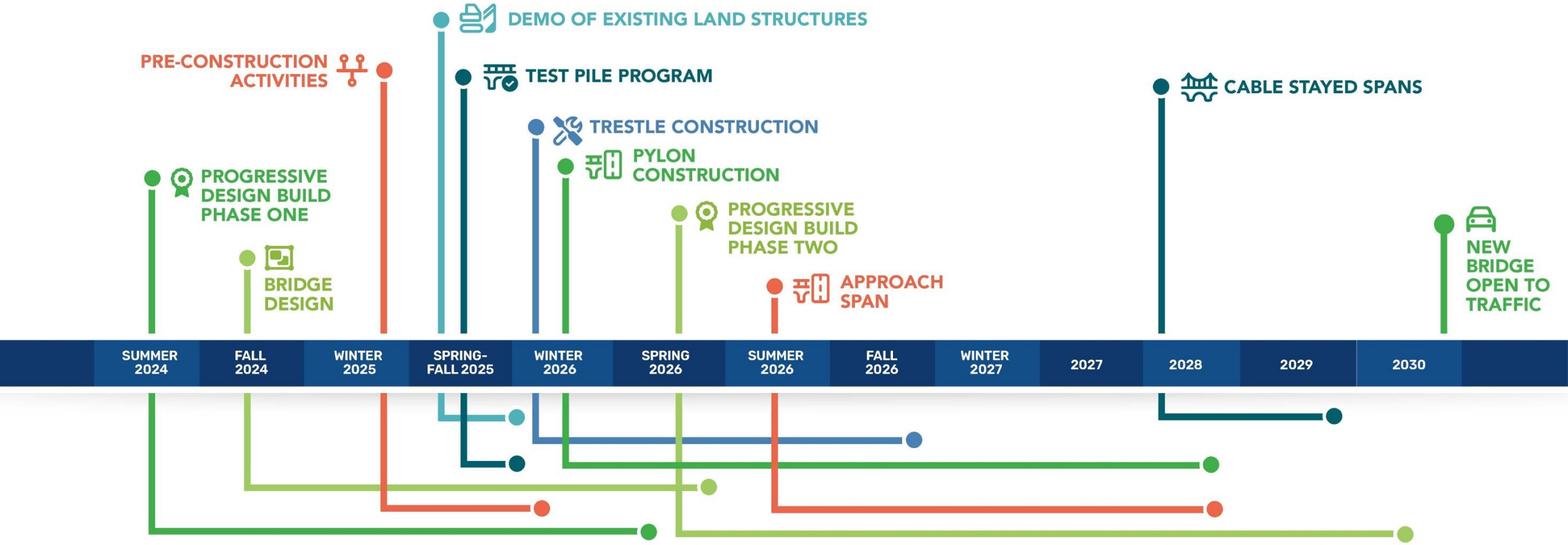
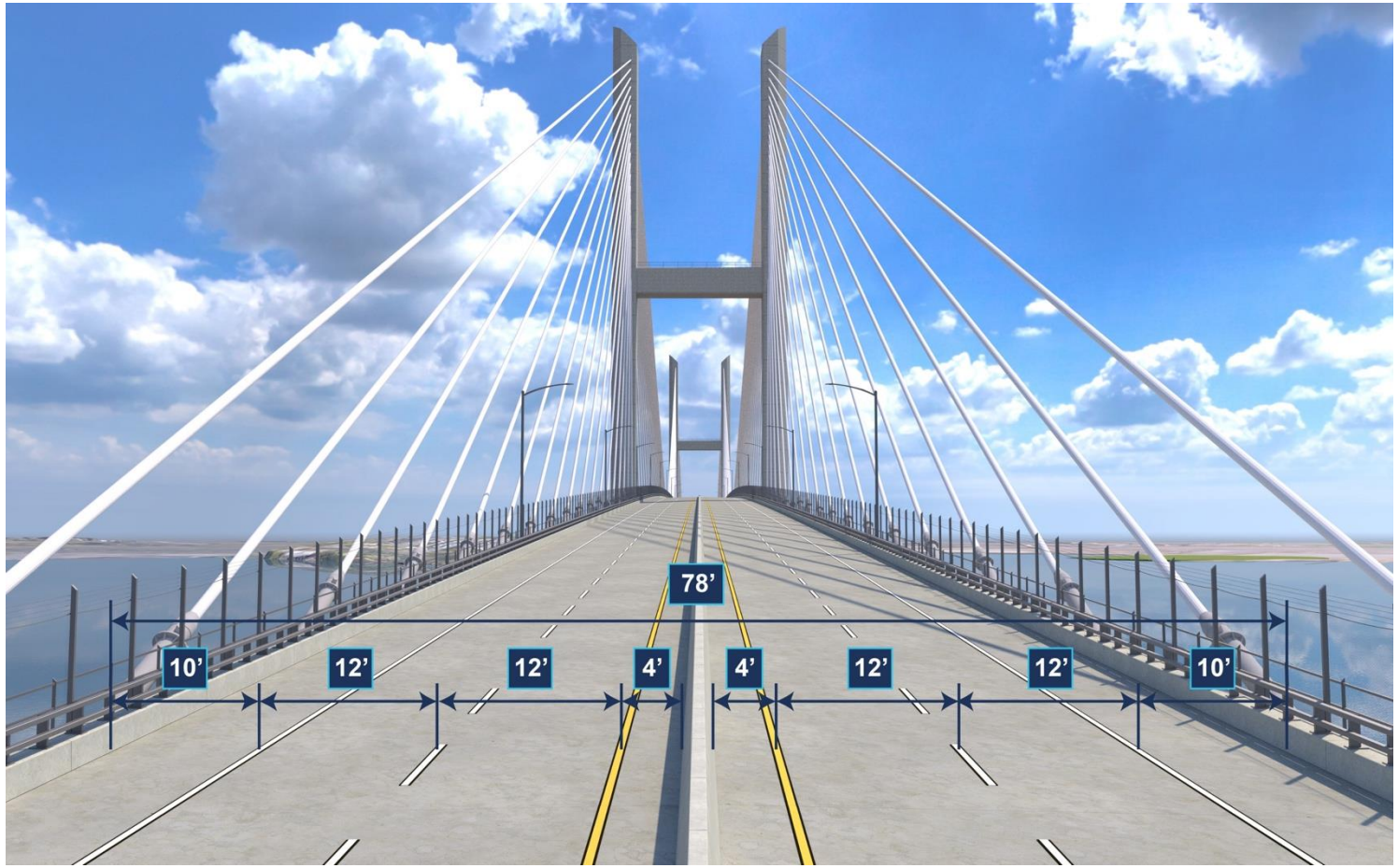
# Advancing the Rebuild

# Delivering the Safe and Efficient Reconstruction of the Key Bridge



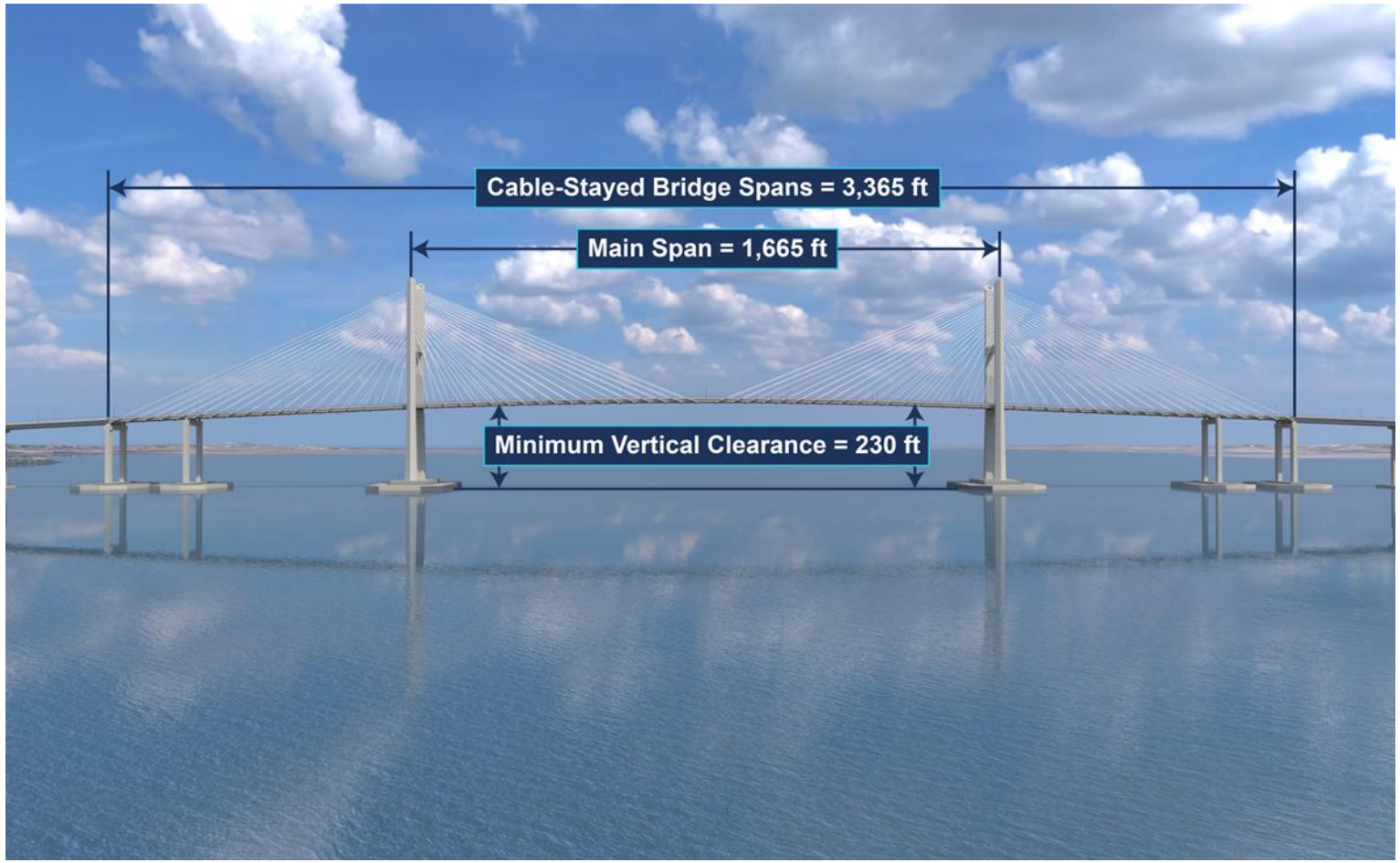

***SCHEDULE IS SUBJECT TO CHANGE**

# Typical Roadway Section



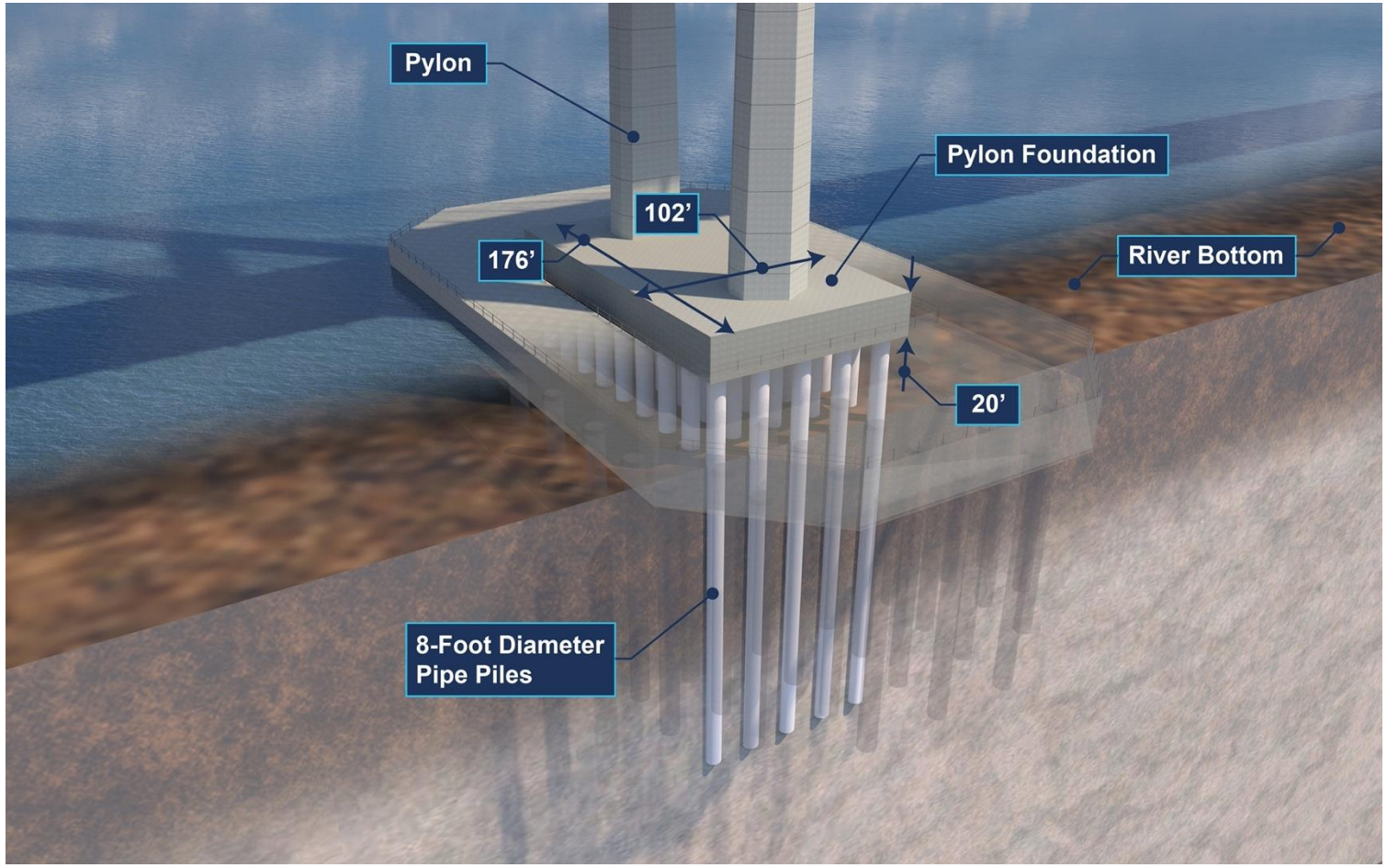

- The roadway has **two 12-foot lanes in each direction**, with a **10-footoutside shoulder** and **4-foot inside shoulder**, meeting **Interstate standards**.
- A **5-foot maintenance walkway** runs along each side of the cable-stayed span, with cables set back from traffic for **safety and improved wind stability**.
- **Barriers are 42” tall** to comply with current safety standards.

# Cable-Stayed Bridge



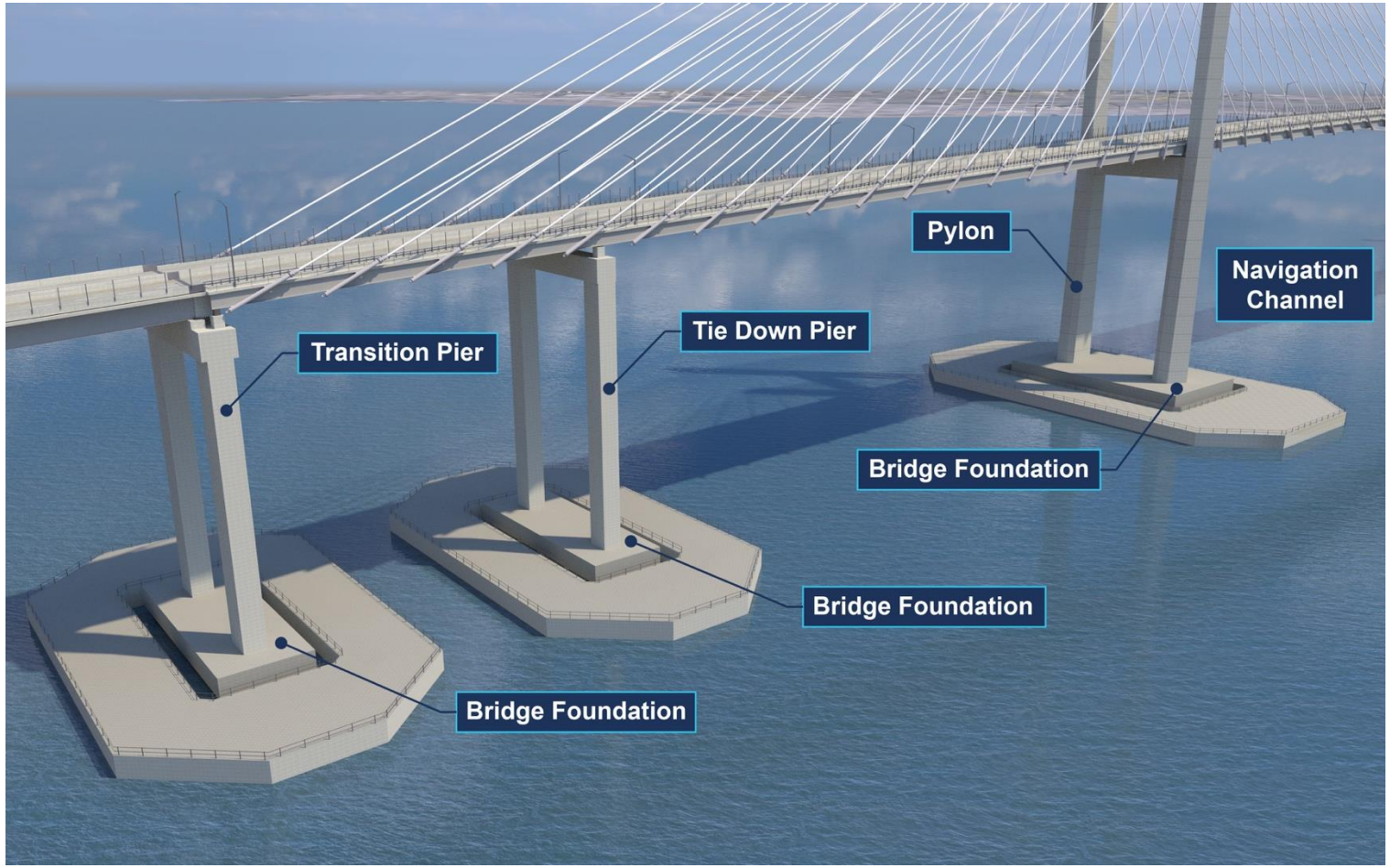

- The cable-stayed bridge is **3,365 feet long** and supported by **six piers**, including the two main pylons.
- The **1,665-foot main span** is the **longest cable-stayed span in the U.S.** and provides **230 feet** of clearance for marine traffic.
- The bridge is supported by **144 cables**, which distribute the deck's weight evenly.
- Each pylon tower rises **over 600 feet** above the river, with a column that **tapers as it ascends**.

# Pylon Foundations



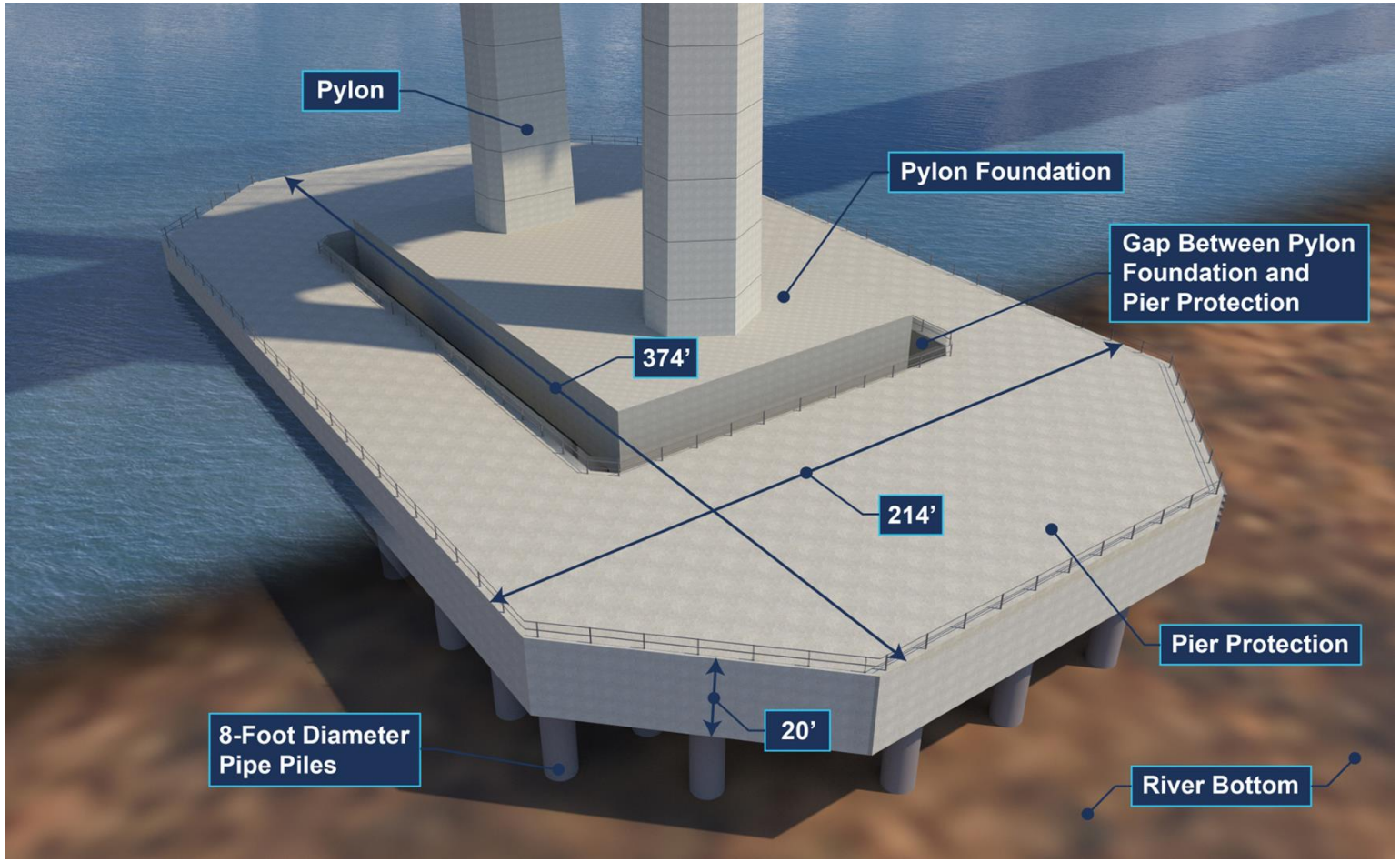

- Each foundation is supported by **45 massive steel piles**, each over **200 feet long** and **8 feet in diameter**, anchored deep into the Patapsco geological layer.
- The footing itself is **roughly the size of two NBA basketball courts** and stands **20 feet thick**.
- **More than 13,000 cubic yards** of concrete—about **26,600 tons**—goes into each footing.
- Constructing each foundation takes **over 1,300 truckloads of concrete**, placed in **three layers**.

# Cable-stayed Bridge Foundations




- The cable-stayed bridge foundations include **six total piers**.
- This includes the two main pylons along with a tie-down and transition pier on each side of the main span.
- **Tie-down piers** and **transition piers** each have **10 steel piles** that are **8 feet in diameter** in every foundation.
- In total, the cable-stayed bridge foundations use **130 piles**, each **8 feet in diameter**.

# Pier Protection System




- Each main pylon protection fender is longer and wider than an NFL **football field** and **over 20 feet thick**
- Each of these foundations is supported by **78 steel pipe piles**, each **8 feet in diameter**
- In total, the bridge's vessel protection system uses **276 concrete-filled steel piles**, each **8 feet in diameter**.

# Pre-Construction Activities

# Geotechnical Borings

- Investigation program included land and marine borings which are deep, narrow holes drilled into the ground to collect soil samples
- Samples provide data to develop safe, durable, and efficient structures tailored to site-specific ground conditions
- The boring program is complete

# Wind Tunnel Testing

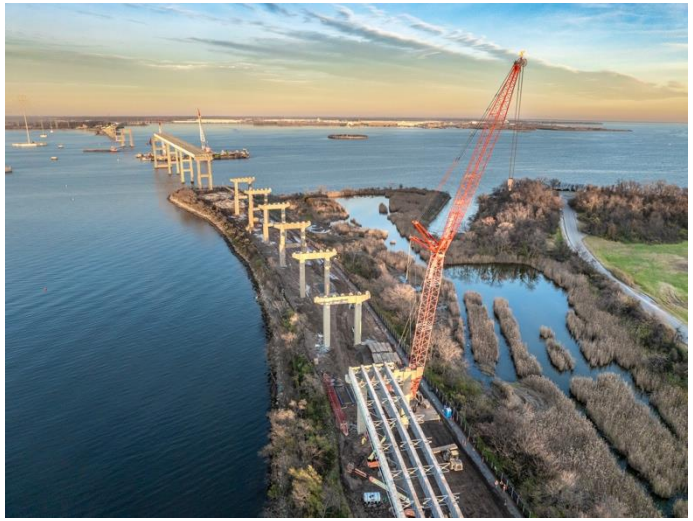
- Simulated real-world wind conditions to study how the structure responds
- Fine-tuned the bridge shape, ensuring it will withstand powerful winds and extreme weather, even with heavy traffic

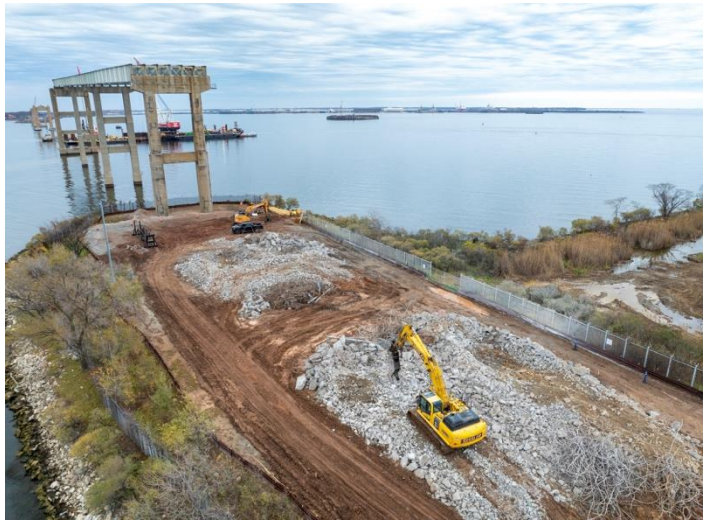
# Scour Testing

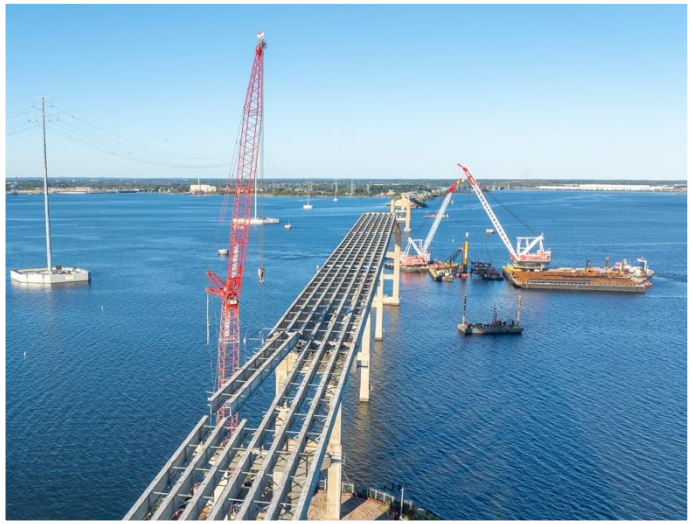
- Simulated real-world water flow around piles to study how the riverbed responds
- Identified potential challenges like scour
- Informed the pile design, ensuring it can withstand the impact of scour

# Mechanical Demolition

- Mechanical demolition is using heavy machinery to remove existing bridge structures
- Land and over water demolition will occur in separate phases
- Land demolition began in July 2025

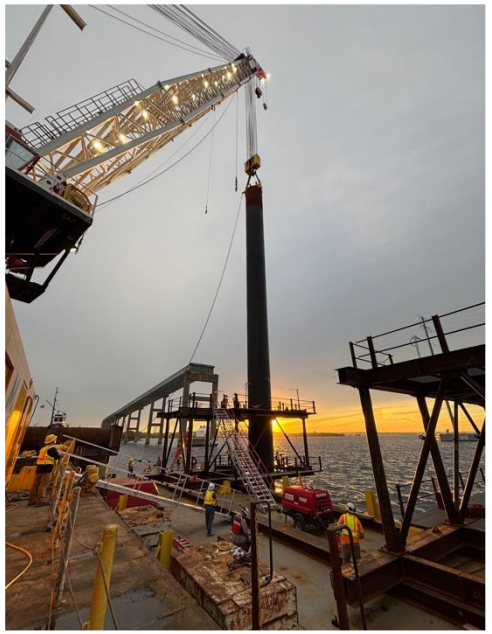


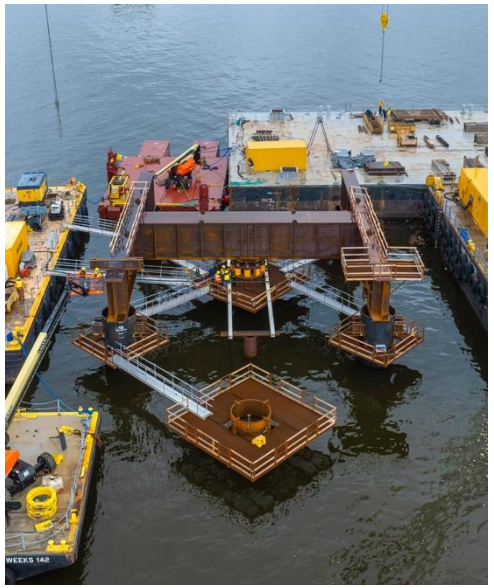




# Test Pile Program

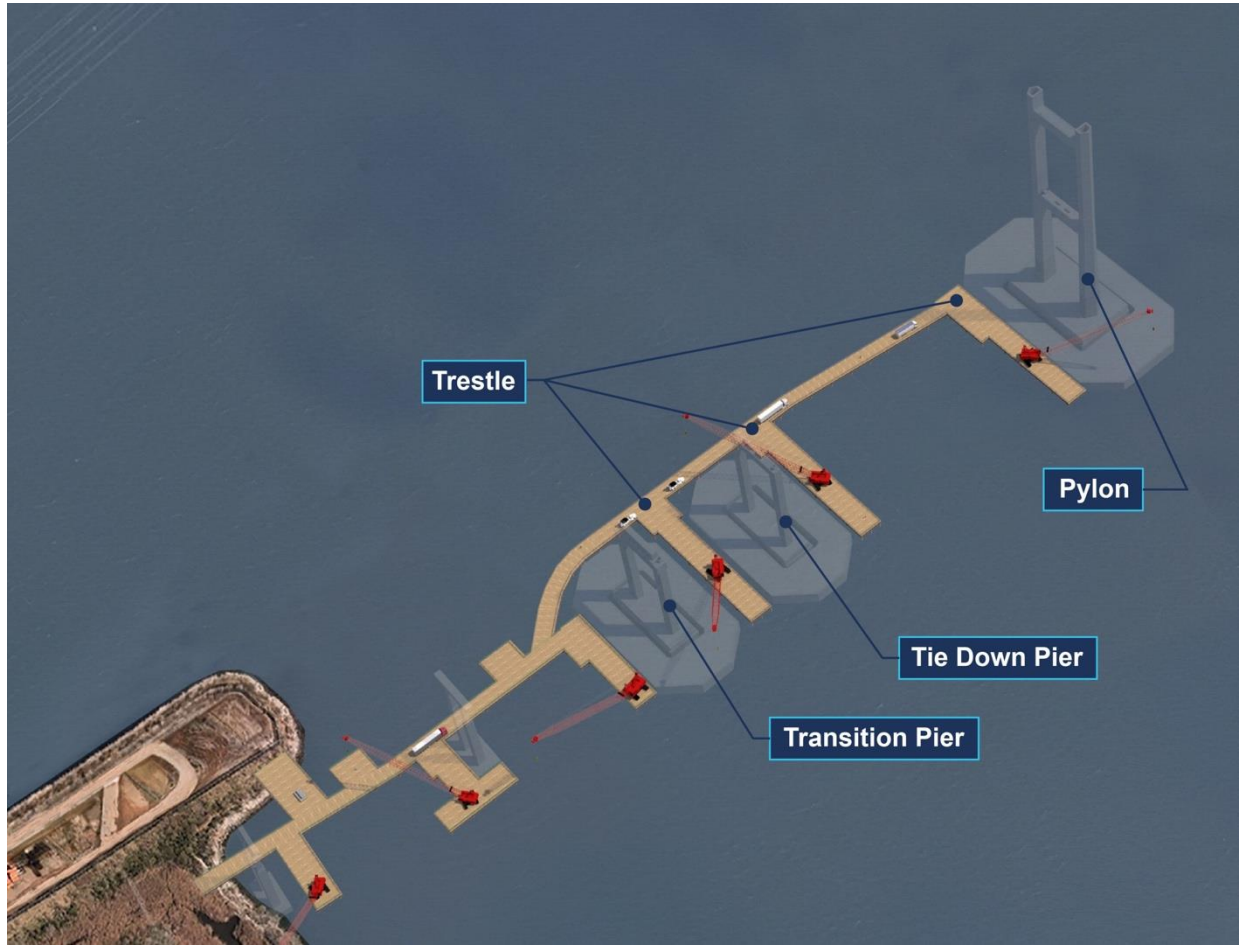
- Test pile driving is used to advance the design of the main span foundations
- Periodic test pile driving began in October 2025 and is expected to continue through early 2026
- Test piles are 8 feet in diameter and over 200 feet in length





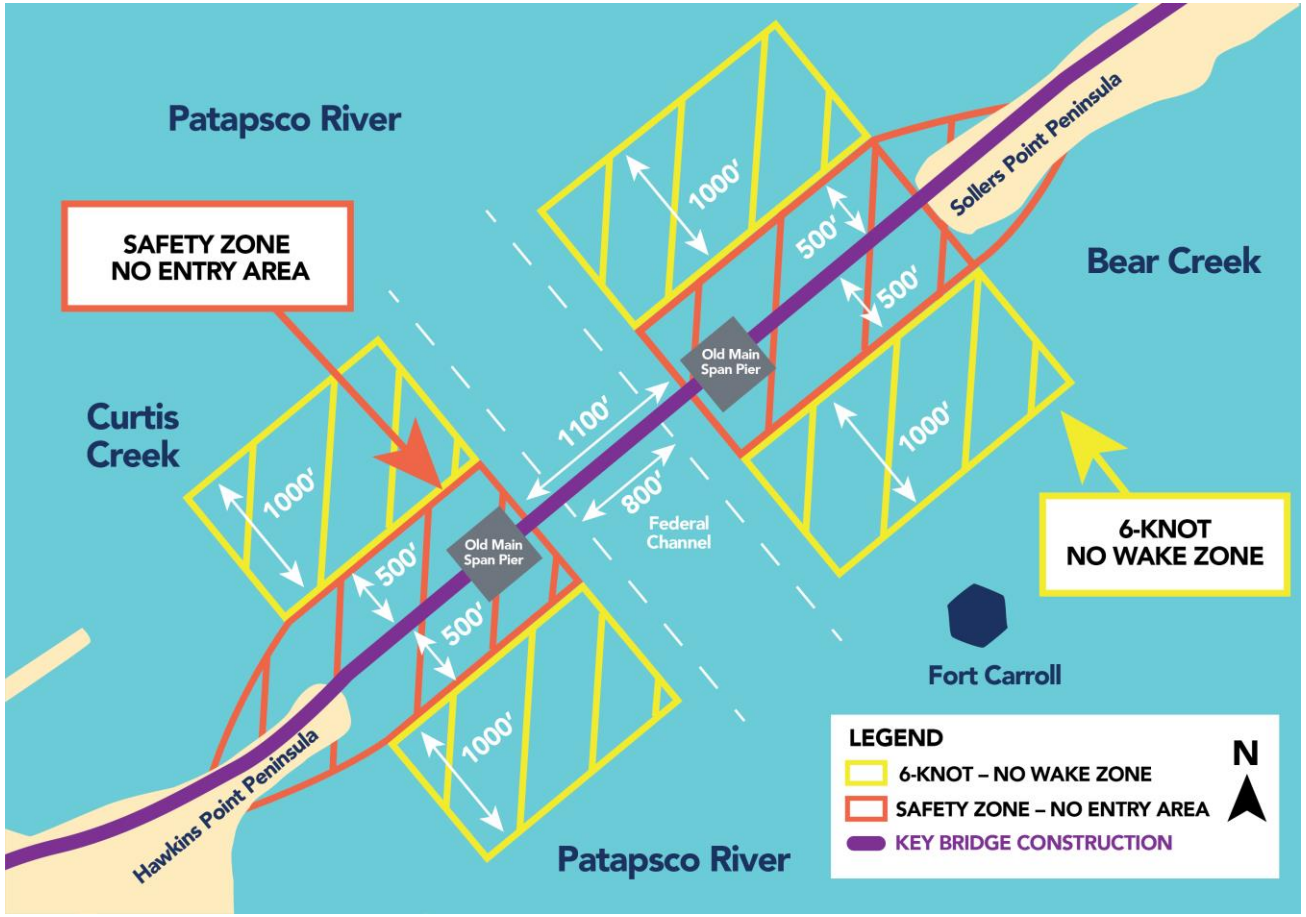
# Trestle Construction

- Work is underway at Hawkins Point to prepare for a temporary work platform or trestle.
- The trestle will let supplies, labor, and equipment reach the pier sites more efficiently, speeding up construction.
- In December, crews will begin driving piles to extend a trestle from Hawkins Point.
- In early 2026, crews will start building a second trestle from Sollers Point.



# Safety on the Water

- Safety remains the top priority as trestle and production pile work ramps up.
- Safety Zone – No Entry Area is in effect; coordinated with the USCG since July 2025.
- 6-Knot No Wake Zone established in August 2025 to protect boaters and construction crews.
- Federal Channel remains open, with no speed restrictions.



# Engagement

# Opportunities with Kiewit

- Phase 1 of the project is approaching completion
- Kiewit will begin soliciting subcontractor pricing (in Q4 2025) for inclusion in the Phase 2 cost estimate
- Kiewit is currently seeking to engage with local and small firms interested in subcontracting opportunities on the Project

Kiewit

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MARYLAND TRANSPORTATION AUTHORITY

Artistic Daytime Aerial View with Downtown and Port Beyond | www.keybridgerebuild.com

JOB SEEKER RESOURCES

**Kiewit** is proud to lead the construction of the **Key Bridge Rebuild Project**, a vital infrastructure effort that will reconnect communities, support economic growth, and create hundreds of local jobs. Kiewit is a proud signatory to multiple trade unions, and we value the expertise and professionalism that union craft workers bring to our projects. We're committed to fostering a safe, inclusive, and high-performing work environment for all team members.

SCAN QR CODE FOR LINKS TO ORGANIZATIONS BELOW

CONTACT THE FOLLOWING UNIONS TO LEARN MORE ABOUT CAREER OPPORTUNITIES

**INTERNATIONAL UNION OF OPERATING ENGINEERS 37**
5021 North Point Blvd. Sparrows Point, MD 21219
**Phone:** 443-242-6280

**UNION HALL, JOURNEYMAN LEVEL OPERATORS**
3615 North Point Blvd., Ste. A Baltimore, MD 21222
**Phone:** 410-254-2030

**EASTERN ATLANTIC STATES REGIONAL COUNCIL OF CARPENTERS**
5021 North Point Blvd Baltimore, MD 21219
**Phone:** 443-242-6280

**IRONWORKERS LOCAL UNION 5**
9301 Pepercorn Place
Largo, MD 20774
**Phone:** 301-599-0960

**LOCAL 710**
3200 Wilkens Ave
Baltimore, MD 21229
**Phone:** 410-444-1550

LOOKING FOR EMPLOYMENT ASSISTANCE?

- Baltimore County Economic and Workforce Development
- Civic Works
- Construction Trades Workforce Initiative
- Mayor's Office of Employment Development
- Triple Crown Academy

QUESTIONS?
Email: **Baltimore_Area_Workforce_Team@kiewit.com**

KIEWIT BELIEVES IN INVESTING IN THE COMMUNITIES WHERE WE WORK AND LIVE.
Kiewit is an Equal Opportunity Employer.

# Access Bid Opportunities

## Express Your Bidding Interest*

View the list of current solicitations and indicate the scope packages your company is interested in bidding at: **https://bit.ly/KeyBridge-BidderInterest**

**** Bid opportunities are updated regularly. Please be sure to resubmit a bidder interest form to indicate your interest as scope packages are issued.***

Scan the QR code to join our subcontractor and supplier database.

### Key Bridge Rebuild Project - Bidder Interest Form

Bid opportunities are updated regularly, please be sure to resubmit a bidder interest form to indicate your interest as scope packages are issued.

Company Name *

Name *

First Name

Last Name

E-mail *

ex: email@yahoo.com

example@example.com

Phone Number

(000) 000-0000

Please enter a valid phone number.

**UPCOMING BID PACKAGES - Package Group 1**

Please select the scope packages you are interested in bidding:

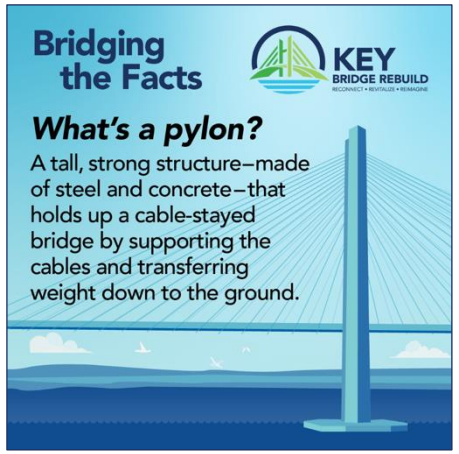
- Barge Outfit Supplies
- Bubble Curtain Materials
- Civil Works Sub
- Collar Sealing/Grouting Supplies
- Concrete Subcontract - N & S Approach Moment Slab/MSE Coping (Mechanically Stabilized Earth)
- Dock Road Bridge Demo
- Engineered Equipment Supply
- Erosion and Sediment Control
- Fall Protection Supplies

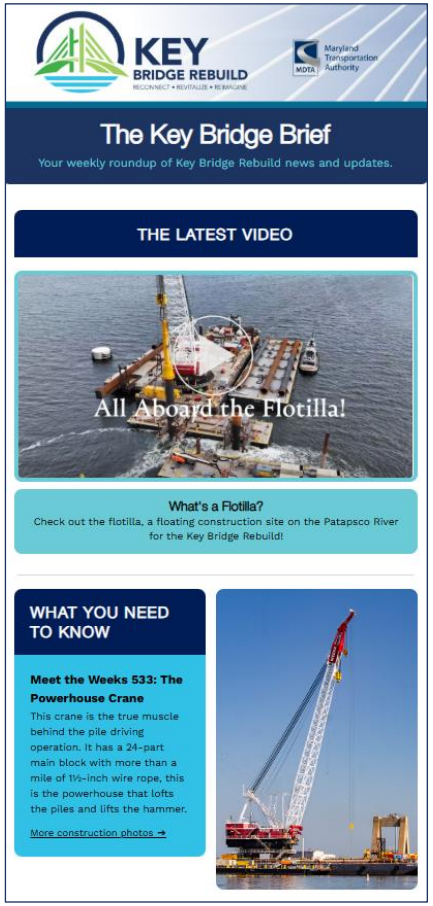
# Engagement

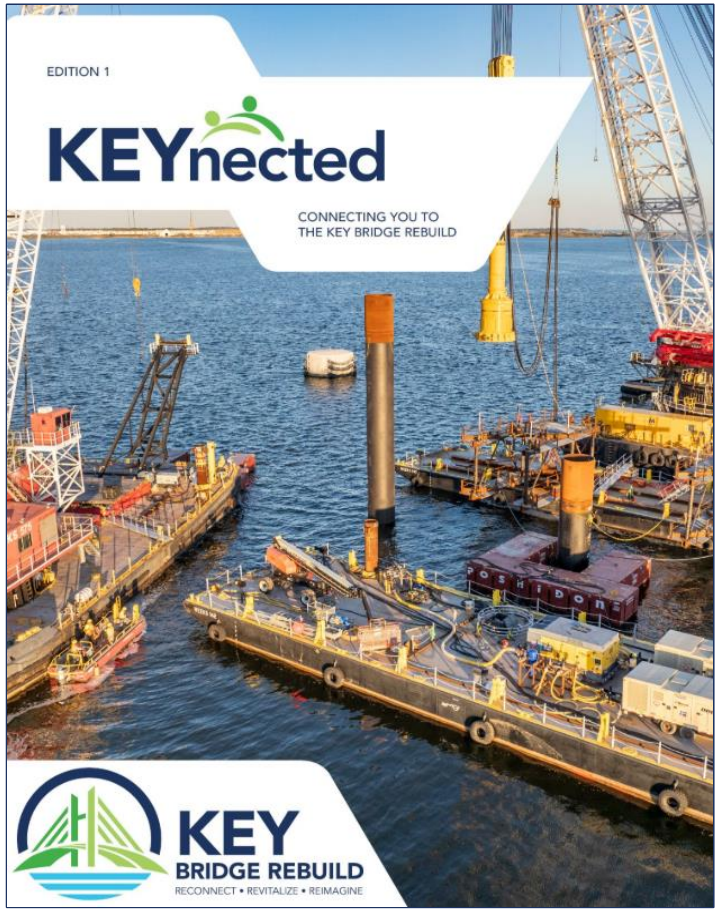
- 100+ pop-up events
- 50+ speaking engagements
- 860+ surveys taken
- 6,180+ connections with communities
- 4,200+ email subscribers
- 26,000+ Facebook subscribers

# Be on the look out!

- Bridging the Facts Facebook series
- Weekly Key Bridge Brief eblast
- KEYnected Project Newsletter



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# Stay Connected

- **Sign up** for project alerts by email or text
- **Invite us** to speak in your community
- **Share feedback** through email or project hotline
- **Follow us** on Facebook for project updates

KeyBridgeRebuild.com

800-515-7030
Public Information Hotline

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info@KeyBridgeRebuild.com

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