

# Cable-Stayed Bridges

# Innovate

We think without limits to deliver the most recognizable, technologically advanced bridges in the world.

# Collaborate

We connect more than 675 bridge specialists in 75 offices across North America to pursue smart, creative solutions to our clients' most pressing challenges.

# Sustain

We design bridges with a focus on long service life and ease of maintenance, creating sustainable assets for the communities we serve.



This page:  
Peace Bridge over River Foyle,  
Derry/Londonderry, Northern Ireland

Cover:  
Charles W. Cullen Bridge at the Indian River Inlet  
Rehoboth Beach, Delaware, United States



Ranked #1 in Transportation and #2 in Bridges by Engineering News-Record, AECOM is consistently recognized as an industry leader pushing the frontiers of bridge technology.

**Organized globally. Delivered locally.**

AECOM is a fully integrated infrastructure and support services firm. With nearly 49,000 professionals serving clients in more than 50 countries, we are able to positively impact lives, transform communities and make the world a better place.

In North America, we have more than 675 structural specialists to help you tackle complex bridge projects. From designing the highway and transit bridges of our future, to rehabilitating important heritage structures, our expertise spans the entire bridge life cycle. As a top-ranked firm by ENR in Transportation and Bridges, we bring together teams of practice leaders, engineers, technicians, inspectors and project managers to tackle the world's most complex bridges.

We take great pride in our people — a winning team that brings passion and dedication to every project, and works diligently to deliver reliable, sustainable and visionary bridges for our clients. Our approach seamlessly combines world-class bridge design with project knowledge and sensitivity to local issues. We draw on our global expertise and our experience with innovative design solutions and state-of-the-art materials and meld them with our local offices, where we have firsthand familiarity with community and regional standards, materials and design methodologies.

# Cable-stayed bridges



**Pearl Harbor Memorial Bridge over the Quinnipiac River**

New Haven, Connecticut, United States  
*Conceptual, preliminary and final design; construction support*  
2015



**Ironton-Russell Bridge over the Ohio River**

Ironton, Ohio, United States  
*Conceptual, preliminary and final design; construction support*  
2015



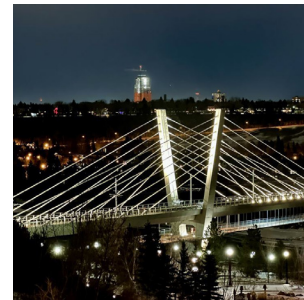
**Queensferry Crossing over the Firth of Forth**

Scotland  
*Independent Checking Engineer*  
2016



**Schuylkill River Pedestrian Bridge**

Philadelphia, Pennsylvania, United States  
*Conceptual, preliminary and final design; construction support*  
2021



**Tawatina Bridge on Edmonton Valley Light Rail Southeast Line**

Edmonton, Alberta, Canada  
*PPP Owner's Engineer; preliminary design, including base design for extradosed, cable-stay bridge*  
2021

**Gordie Howe International Bridge**

Windsor, Ontario, Canada and Detroit, Michigan, United States  
*Concept development, final design, erection engineering and construction support*  
2024



## North America Record

This CA\$5.7 billion public-private-partnership project includes ports of entry on the U.S. and Canadian sides, a major interchange with Interstate 75 of the U.S. side and a long-span bridge crossing the Detroit River. With a 2,800-foot main span, the bridge is North America's longest cable-stayed bridge and the seventh-longest in the world. The design uses a composite superstructure and an inverted Y-shaped tower that is 700 feet tall.

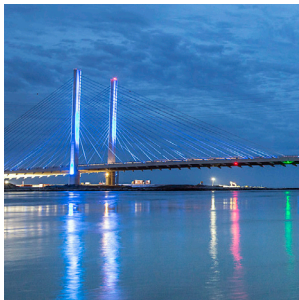
# Cable-stayed bridges



**Bridge of Honor over the Ohio River**  
Pomeroy, Ohio, United States  
*Conceptual, preliminary and final design;  
construction support*  
2008



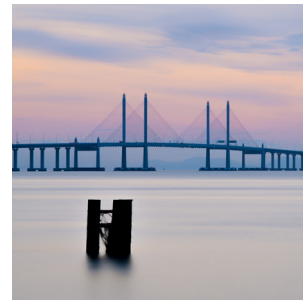
**Peace Bridge over River Foyle**  
Derry/Londonderry, Northern Ireland  
*Feasibility, conceptual and final design;  
construction support*  
2011



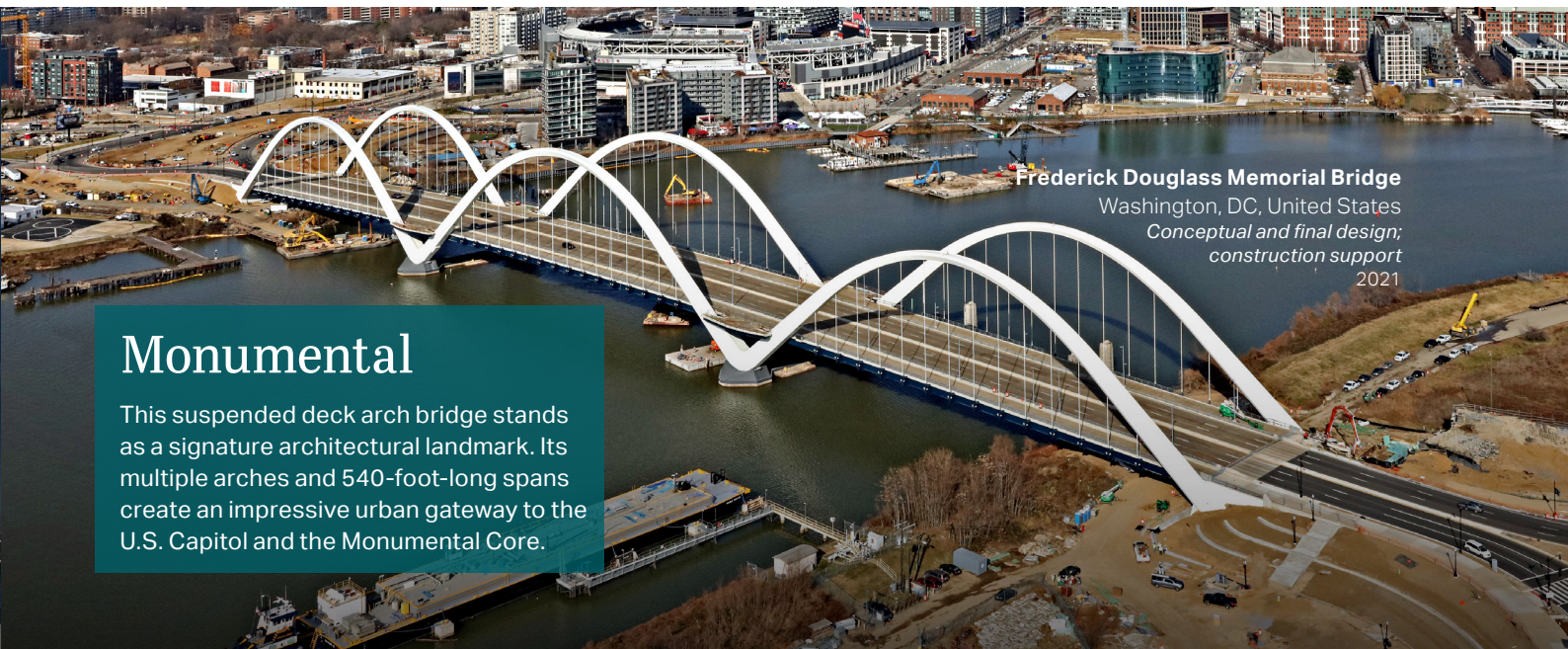
**Charles W. Cullen Bridge at the Indian River Inlet**  
Rehoboth Beach, Delaware, United States  
*Comprehensive design and erection  
engineering services under the  
design-build delivery method*  
2012



**Interstate-35 Bridges over the Brazos River**  
Waco, Texas, United States  
*Conceptual, preliminary and final  
design; construction support*  
2014



**Sultan Abdul Halim Muadzam Shah Bridge**  
Penang Malaysia  
*Construction engineering  
& ship impact studies*  
2014



**Frederick Douglass Memorial Bridge**  
Washington, DC, United States  
*Conceptual and final design;  
construction support*  
2021

## Monumental

This suspended deck arch bridge stands as a signature architectural landmark. Its multiple arches and 540-foot-long spans create an impressive urban gateway to the U.S. Capitol and the Monumental Core.

# Cable-stayed bridges



**Kap Shui Mun Bridge and Ma Wan Viaducts**

Hong Kong  
*Conceptual, preliminary and final design; construction engineering*  
1997



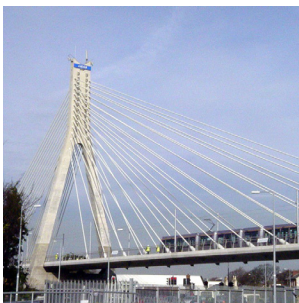
**East Fork White River Bridge**

Columbus, Indiana, United States  
*Conceptual, preliminary and final design; construction engineering*  
1999



**Mekong River Bridge at My Thuan**

Tien Giang and Vinh Long, Vietnam  
*Design development, detailed design, contract documentation; construction supervision*  
2000



**Taney Bridge**

Dublin, Ireland  
*Design and construction support, working under Roughan O'Donovan*  
2003



**Mary McAleese Boyne River Bridge**

County Meath and County Louth, Ireland  
*Design and construction support, working under Roughan O'Donovan*  
2003



**East 153rd Street Bridge**

New York, New York, United States  
*Conceptual, preliminary and final design*  
2007

## Iconic

Spanning the Houston Ship Channel at 2,475 feet — or the length of eight football fields — this is the longest cable-stayed bridge in Texas. The double-diamond tower configuration — as tall as a 45-story building — makes this one of the world's most recognizable cable-stayed bridges.



**Fred Hartman Bridge**  
*LaPorte, Texas, United States*  
*Conceptual, preliminary and final design; construction support*  
1995



### **Phu My Bridge**

Ho Chi Minh City, Vietnam  
*Feasibility and concept design & owner's  
representative during construction phase  
2009*



### **Sutong Bridge Contract 3**

Jiangsu Province, China  
*Construction engineering, erection analysis  
and design services to the main contractor  
2012*



**Stonecutters Bridge**  
Hong Kong  
*Construction engineering, erection  
analysis and design services to the  
main contractor  
2009*

### **About AECOM**

AECOM is the world's trusted infrastructure consulting firm, delivering professional services throughout the project lifecycle – from planning, design and engineering to program and construction management. On projects spanning transportation, buildings, water, new energy and the environment, our public- and private-sector clients trust us to solve their most complex challenges. Our teams are driven by a common purpose to deliver a better world through our unrivaled technical expertise and innovation, a culture of equity, diversity and inclusion, and a commitment to environmental, social and governance priorities. AECOM is a Fortune 500 firm and its Professional Services business had revenue of \$13.3 billion in fiscal year 2021. See how we are delivering sustainable legacies for generations to come at [aecom.com](http://aecom.com) and [@AECOM](https://twitter.com/AECOM).

