

Cable-Stayed & Arch 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
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



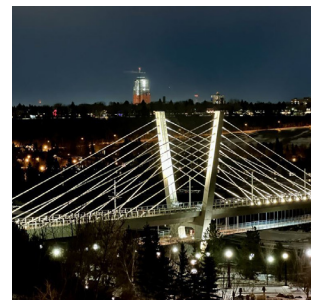
Queensferry Crossing over the Firth of Forth

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
Ongoing

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.

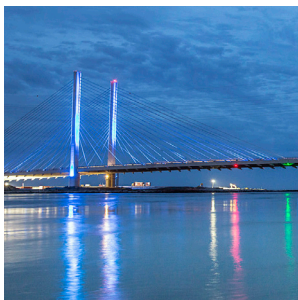
Cable-stayed bridges



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

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

Arch bridges



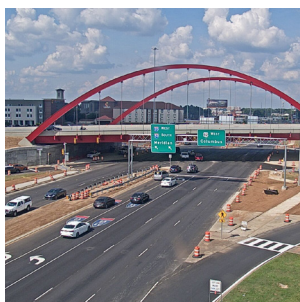
Swift Island Bridge

Albemarle, North Carolina, United States
Inspection, feasibility study, final structure design, and construction support
2021



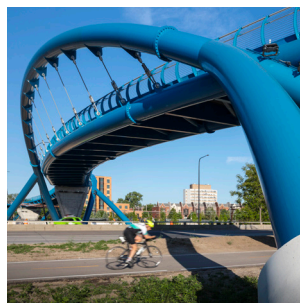
Columbus Gateway Bridge

Columbus, Ohio, United States
Conceptual, preliminary, and final design and construction engineering
1997



McFarland Boulevard Bridge

Tuscaloosa, Alabama, United States
Concept development, final design, and construction support
2021



41st Street Pedestrian Bridge

Chicago, Illinois, United States
Preliminary and final design
2019



I-49 Connector

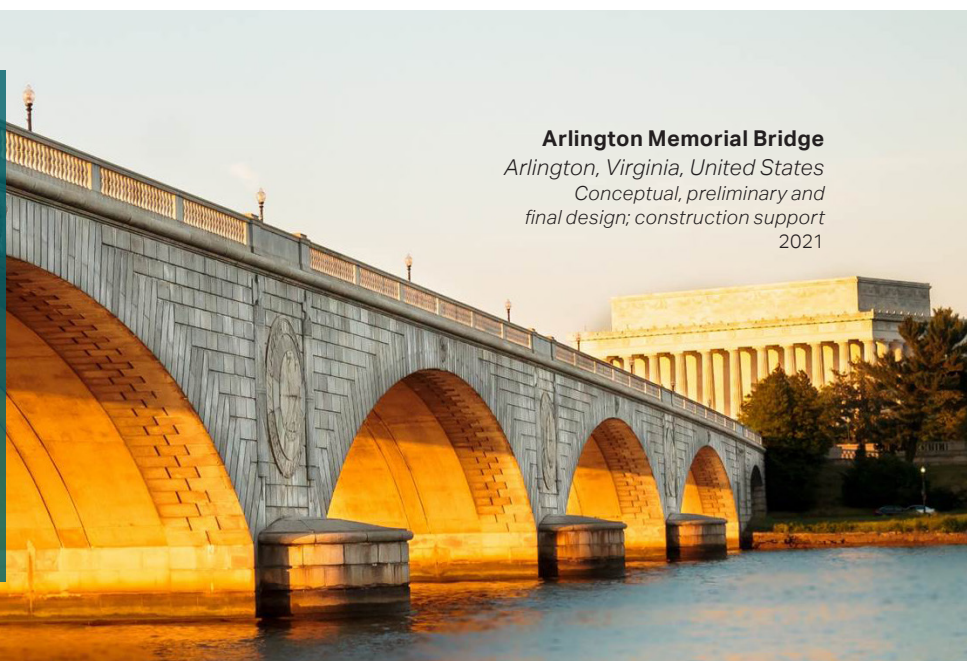
Lafayette, Louisiana, United States
Conceptual design
Ongoing

Heritage

The historic Arlington Memorial Bridge in Washington DC, with its' graceful and elegant arches was threatened with closure because of advanced corrosion and deterioration. The design build team of Kiewit/AECOM used design innovations, advanced materials and unique construction techniques to preserve this bridge for future generations. An almost invisible engineering effort, the structural replacements and repairs were designed to restore the crossing without evidence of any visual changes.

Arlington Memorial Bridge

Arlington, Virginia, United States
Conceptual, preliminary and final design; construction support
2021



Arch bridges



River Usk Bridge

Newport, Wales
*Design, construction support,
erection engineering*
2004



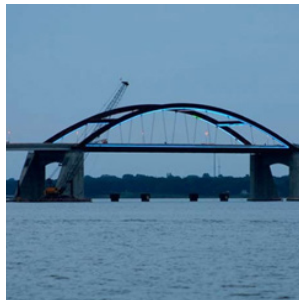
2nd Street Bridge

Austin, Texas, United States
Design and construction support
2016



George Washington Carver Bridge

Des Moines, Iowa, United States
*Corridor study; corridor environmental
assessment; conceptual, preliminary and
final design; construction services*
2005



Lewisville Lake Toll Bridge

Little Elm and Lake Dallas, Texas,
United States
*Conceptual, preliminary and final
design; construction support*
2009



Arapaho Road Bridge

Addison, Texas, United States
*Conceptual, preliminary and final design;
construction support*
2006



Frederick Douglass Memorial Bridge
Washington, DC, United States
*Conceptual and final design;
construction support*
2023

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.

About AECOM

AECOM is the world's trusted infrastructure consulting firm, delivering professional services throughout the project lifecycle – from advisory, 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 and digital expertise, 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 US\$14.4 billion in fiscal year 2023. See how we are delivering sustainable legacies for generations to come at aecom.com and [@AECOM](https://twitter.com/AECOM).

