

# Alternative Delivery

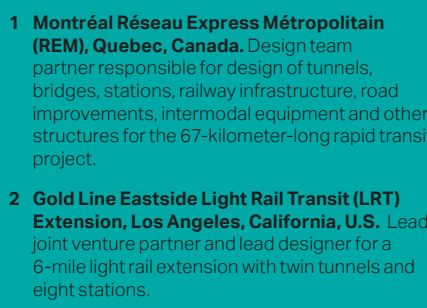
Transportation design solutions to meet today's mobility challenges



# With more than 6,500 transportation professionals across North America, AECOM offers the resources, knowledge and experience to design the most critical infrastructure projects.

For the last 20 years, we have been ranked No. 1 in Transportation on the annual *Engineering News-Record (ENR)* Top 500 Design Firms list. As industry leaders, we are able to bring tailored teams of specialized professionals to help you deliver even the largest and most complex projects on time and within budget.

When you count on us to design the most critical infrastructure assets, you gain a distinct advantage with access to our connected expertise, local technical strength, international depth, and seasoned national experts who are dedicated to the success of alternative delivery projects. That's what sets us apart—that's the AECOM difference.



**Cover:**

**Gordie Howe International Bridge, Windsor, Ontario, Canada and Detroit, Michigan, U.S.**  
Lead designer for a 1.5-mile, six-lane bridge with a main span of 2,800 feet. It will be the longest cable-stayed bridge in North America and will set a record for the world's longest composite steel and concrete cable-stayed bridge deck.

**1 Montréal Réseau Express Métropolitain (REM), Quebec, Canada.** Design team partner responsible for design of tunnels, bridges, stations, railway infrastructure, road improvements, intermodal equipment and other structures for the 67-kilometer-long rapid transit project.

**2 Gold Line Eastside Light Rail Transit (LRT) Extension, Los Angeles, California, U.S.** Lead joint venture partner and lead designer for a 6-mile light rail extension with twin tunnels and eight stations.

**3 Waterloo (ION Stage 1) LRT, Waterloo and Kitchener, Ontario, Canada.** Lead designer for the DBFOM of 19 kilometers of light rail track with 19 street-level stops.

**4 UP Express Air Rail Link Spur, Toronto, Ontario, Canada.** Lead designer for 3 kilometers of elevated heavy rail spur alignment and new station at Pearson Airport. The alignment crosses above existing transportation access infrastructure and connects with an existing automated people mover. The rail is designed to accommodate future electrification.

**5 Denver Union Station Transit Improvements, Denver, Colorado, U.S.** Lead designer for major transportation infrastructure improvements, including LRT station/platforms and systems design, bus facility design and commuter rail transport systems infrastructure design. The modern transit hub enabled nearby development and was awarded DBIA's *Project of the Year* in 2014.

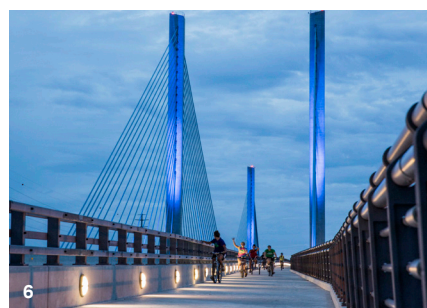
**6 East San Fernando Valley Light Rail Transit Southern Segment Progressive Design-Build, Los Angeles, California, U.S.** Lead designer for 6.7 miles of street-running rail with 11 stations, and 40 at-grade crossings, and a vehicle maintenance facility. Once completed the project will improve connections and access to the growing San Fernando Valley.

**7 Penn Station Critical Improvements – Phase 1: East End Gateway & Phase 2: Long Island Rail Road Concourse, New York, New York, U.S.** Lead designer for Penn Station's new iconic entrance at 33rd Street and Seventh Avenue and significant improvements to the concourse beneath it. The new gateway entrance and concourse renovation delivers an impressive transformation and provides the ability to accommodate future demand.

## AECOM has provided final design on more than 100 transportation design-build and P3 projects totaling over \$50 billion in construction value.

We customize our design approach to meet the distinct needs of each project. We partner with developers, concessionaires and design-builders to provide planning, modeling and detailed design for every type of project delivery method and transportation mode.

We recognize that thorough and thoughtful planning produces the most effective results. Our highly experienced transportation professionals work with you to develop creative and innovative design solutions that help meet schedules and control overall project costs, making us all more likely to become preferred bidders.



**1 Brent Spence Bridge Corridor Project Progressive Design-Build, Cincinnati, Ohio and Covington, Kentucky, U.S.** Lead designer for six miles of roadway improvements to Interstates 71 and 75 in Kentucky and Ohio, and a new companion bridge adjacent to the existing Brent Spence Bridge. Once completed, the project will reduce congestion, improve traffic flow, increase safety, and maintain regional and national transportation corridors.

**2 I-15/I-215 Devore Interchange, San Bernardino County, California, U.S.** Lead designer for system-to-system interchange. Design accommodated future lane additions in the median. Worked closely with the construction team to develop innovative, cost-saving solutions.

**3 West Calgary Ring Road – North Project, Calgary, Alberta, Canada.** Lead designer for the construction of 3 kilometers of divided freeway and reconstruction of 5 kilometers of the TransCanada Highway. Project includes 18 bridges, two interchanges and one flyover.

**4 San Diego Airport Terminal Development Program Landside Improvements Progressive Design-Build, San Diego, California, U.S.** Lead designer for landside improvements including bridges, roadway, parking lots, passenger processing facility, transit plaza, geotechnical design program, drainage, utility, landscape and aesthetic design.

**5 Frederick Douglass Memorial Bridge Project, South Capitol Street Corridor – Phase 1, Washington, DC, U.S.** Lead designer for DDOT's largest construction project that will replace the existing bridge and introduce new improvements, including a new multiple-arch bridge.

**6 Charles W. Cullen Bridge at the Indian River Inlet, Rehobeth Beach, Delaware, U.S.** Lead designer for a 2,600-foot-long, three-span, cable-stayed signature bridge with concrete superstructure. The bridge was engineered for long-term durability with a 100-year service life, and structural integrity to withstand major scour, storm surge and hurricane winds.

**7 Oak Hill Parkway, Austin, Texas, U.S.** Lead designer for the reconstruction of approximately 6 miles of US 290 and 1.2 miles of SH 71, including new direct connectors in the interchange between the two highways. These improvements provide improved mobility and long-term congestion management gateway to the fast-growing suburban communities of southwestern Travis County.

**8 I-595 Corridor Improvements P3, Broward County, Florida, U.S.** Lead designer for a DBFOM to widen 10.5 miles of six-lane freeway to add three reversible tolled lanes, including two system-to-system interchanges and seven interchanges. Project received multiple awards and is an example of how innovation can solve real congestion problems.

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