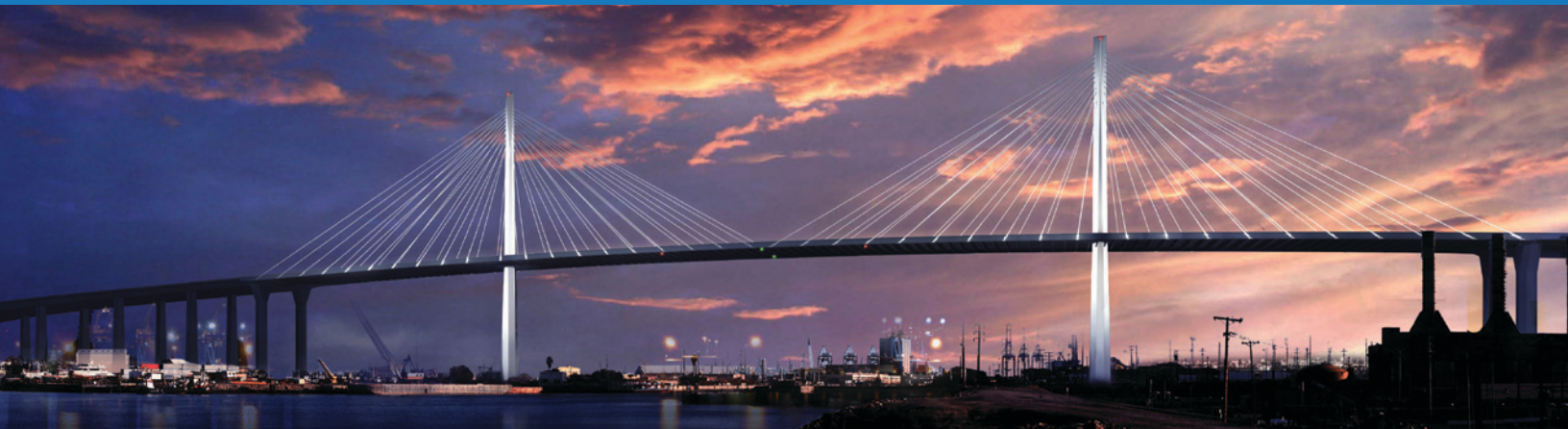




Long Beach's 'Bridge to Everywhere'

THE NEW LONG BEACH CABLE-STAYED BRIDGE

The primary bridge at the Port of Long Beach has become a vital part of the nation's infrastructure, with 15 percent of the nation's waterborne cargo trucked across it each year. The bridge is a critical access route for the Port of Long Beach, downtown Long Beach and surrounding communities.



To better meet today's growing traffic volumes, the California Department of Transportation (Caltrans) and the Port of Long Beach are replacing the Gerald Desmond Bridge. The project includes funding contributions from the U.S. Department of Transportation and the Los Angeles County Metropolitan Transportation Authority (Metro).

The new bridge has a cable-stayed design, a first for California, and a 100-year lifespan. With 205 feet of clearance over the water, the new bridge will be high enough to accommodate larger cargo ships. With three lanes in each direction plus safety lanes, it will be wider and better able to serve the approximately 68,000 vehicle trips that cross the current bridge each day.

The Gerald Desmond Bridge has been designated as a National Highway System Intermodal Connector Route and part of the Federal Strategic Highway Network. It is a critical structure serving the ports of Long Beach and Los Angeles, City of Long Beach, Los Angeles and Orange counties, and the nation. Construction of the new bridge began in 2013 and is expected to last into 2020. During construction, the current bridge will remain in use for motorists and will be taken down once the new bridge is completed.



**Gerald Desmond Bridge
Replacement Project**

Caltrans • Metro • Port of Long Beach • US Department of Transportation

PROJECT BENEFITS

- Three lanes in each direction for improved traffic flow
- Emergency lanes on both sides to reduce traffic delays and safety hazards from accidents and vehicle breakdowns
- A 205-foot vertical water clearance enabling vessels to more easily access the Port's Inner Harbor
- A decrease in the bridge's steep grades to reduce engine wear on trucks and other vehicles
- The Mark Bixby Memorial Bicycle-Pedestrian Path with scenic overlooks

WHAT IS A DESIGN-BUILD PROJECT?

The Gerald Desmond Bridge Replacement Project is a "design-build" project that combines project design and construction into one contract, as opposed to the standard process done in three stages: design, bid, build. By being more efficient, design-build projects have the potential to be built faster and at a lower cost than traditional bridge construction projects.

PUTTING SOUTHERN CALIFORNIA TO WORK

The bridge project will generate about **3,000 jobs** throughout construction.

NEW BRIDGE FACTS

HEIGHT OF TOWERS (2): 515 feet*

SUPPORT COLUMNS: More than 90 combined for east and west approach spans

FOUNDATIONS: More than 350 below-ground piles support the above-ground columns and go as deep as 175 feet below the surface

TOTAL LENGTH: Approximately 8,800 feet, including 2,000 feet for the cable-stayed span

CABLES: 40 for each tower. Each cable consists of 45-109 strands, depending on cable location

STEEL: 18 million pounds of structural steel, 75 million pounds of rebar (approx.)

CONCRETE: 300,000 cubic yards (approx.)

**Once built, this height will make it the second-tallest cable-stayed bridge in the U.S. with the highest vertical clearance of any cable-stayed bridge in the U.S.*

A MODERN PORT

The bridge, expected to cost approximately \$1.47 billion, is part of a 10-year, \$4 billion set of improvements enabling the Port of Long Beach to remain modern, competitive and big-ship ready.

GET THE LB BRIDGE MOBILE APP!



The Gerald Desmond Bridge Replacement Project is creating a new, iconic bridge in the City of Long Beach, and we want you to stay connected!

Our free mobile app has up-to-the-minute traffic conditions, photos, videos, access to live cameras, text alerts and weekly audio alerts in English and Spanish. Download the app by searching "LB Bridge" in the App Store or Google Play.

STAY CONNECTED

Sign up for construction alerts and follow the project at: www.newgdbridge.com

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