

Bridges

Ben C. Gerwick, Inc. specializes in structural, civil, geotechnical, and seismic retrofit design services for large and small bridges. Our firm has pioneered the development and application of large diameter tubular piling, and off-site prefabrication and overwater installation of large foundation substructure elements. Our firm offers unique capabilities for cost-effective design of bridge foundations and substructures. Our innovative solutions offer additional savings by reducing the time for construction, while minimizing risks and improving safety.

Additional services include seismic and soil-structure-interaction analyses, FE modeling, assessment of ice loads, debris impact loads, ship impact protection systems, waterway traffic studies, ship collision risk analyses, cofferdams, float-in construction, hydraulic modeling, coastal engineering, geotechnical engineering, and foundation solutions for areas with weak soils.



Richmond - San Rafael Bridge, California.



Confederation Bridge, Canada



New Tacoma Narrows Bridge, Washington



New Arthur Ravenel, Jr. Bridge across the Cooper River, Charleston, SC



Ice loading on bridge piers, Confederation Bridge, Canada



Bath - Woolwich Bridge, ME.