

# Cost Estimating

Gerwick is well known for its conceptual designs and construction planning in the early stages of a project, with consulting services, including feasibility studies, preliminary designs, cost estimates, review of contract drawings and specifications, value engineering, and risk evaluation.

Gerwick has provided preliminary and final project cost estimates on many marine engineering projects at the feasibility level through final design, using the US Army Corps of Engineers MCACES cost estimating system and experience gained on numerous projects for the Corps of Engineers.

Our cost estimating expertise covers all aspects of marine engineering within the fields of:

- Bridges
- Inland Waterways
- Wharves and Piers
- Tunnels
- Pipelines, Outfalls and Intake Structures
- Ocean Structures
- Concrete Technology
- Buildings and Foundations

Gerwick provided cost estimating services to the URM-IWN Navigation Study for the US Army Corps of Engineers, St. Louis District. The project included a study on innovative techniques for the construction of 1,200-foot-long lock chambers for the Upper Mississippi River and Illinois Waterway. Gerwick developed conceptual drawings, construction procedures, schedules, and cost estimates. Several alternatives were evaluated on the basis

of cost, constructibility and compatibility with existing operations.

Gerwick provided cost estimating services for the Monongahela River Locks and Dam No. 4 Project for the US Army Corps of Engineers, Pittsburgh District. The analysis included three alternative innovative methods for constructing new lock river walls and two alternative innovative methods for construction of the guard walls. The scope of work included development of construction methods, design and analysis to sufficient detail to confirm viability and pricing, and development of quantities and a construction cost estimate for each option.

## Recent Projects:

- **Olmsted Locks and Dam, Olmsted, IL**
- **Lock 24 Renovation, Upper Mississippi River, Clarksville, MO**
- **Downstream Cofferdam, Kentucky Locks and Dam, Grand Rivers, KY**
- **Chicago Shoreline Storm Damage Reduction Project, Lake Michigan, IL**
- **Salinity Control Structure, Suisun Bay, CA**
- **Deepwater Pipeline, Vancouver, Canada**
- **Circulating Water Intake, Diablo Canyon Nuclear Generating Station, CA**
- **Lake Matthews Outlet, CA**
- **Pier 300, Port of Los Angeles, CA**
- **Wharf Embankment Strengthening Project, Port of Oakland, CA**
- **Replacement of Berthing Piers 10 and 11, San Diego Naval Station, CA**
- **Foundation Design, Benicia-Martinez Bridge, CA**
- **Tacoma Narrows Bridge, WA**
- **Seismic Retrofit, Presidio Viaduct, San Francisco, CA**
- **Westminster Avenue Bridge Seismic Retrofit, Los Angeles County, CA**