Cost Estimating | Quantity Surveying
EXPERIENCED INFRASTRUCTURE & POWER EXPERTS

GaroviBRIDGE is a cost estimating firm in the heavy civil infrastructure and power sectors. With a history of over 35 years of Cost Estimate development, our estimators have generated Cost Estimates and Quantity Surveys for complex infrastructure and power projects ranging from $2 million to $6 billion, both in North America and internationally for owners, designers, contractors, consulting groups, law firms and parties in legal disputes.

We differentiate ourselves from other cost estimators and quantity surveyors by providing our services by way of a detailed, step-by-step approach with the judgment of our experienced construction experts. With an extensive resume of performed projects, GaroviBRIDGE possesses in-depth historical databases of local, national and international labor, material and equipment costs that are referred to on each Cost Estimate we develop.

Our fields of expertise include:

- Highway & Railway Bridges
- Power Plants
- Superstructures
- Marine Foundations
- Sitework & Excavation Support
- Complex Concrete Work

We provide our services to:

- Owners
- Designers
- Contractors
- Consulting Groups
- Law Firms
- Parties in Legal Disputes
VERSATILE COST ESTIMATES FOR INTERNATIONAL PROJECTS

We understand the importance proper cost estimating holds over the performance and efficiency of infrastructure and power projects. Our team of highly experienced cost estimators works in conjunction with our clients in developing, evaluating and analyzing costs and project feasibility while balancing the uncertainties of time, quality and risk. Our estimators stress the importance of controlling costs effectively through a deep understanding of international construction prices and demands.

We strengthen our clients’ infrastructure and power divisions by providing:

- Cost Estimates for projects anywhere in the world in any currency
- Cost Estimates for various design levels, from conceptual to final tender
- Value Engineering, productivity analysis & price evaluation
- Construction review
- Claim & litigation support

**Estimating Approach**

GaroviBRIDGE employs a detailed process of project analysis through evaluating the scope of work along with the labor, man-hours, equipment and material required for each project. These factors are adjusted to the corresponding rates and conditions of the project’s location in the area’s specific currency. Dependable detail is of the utmost importance, which is why we incorporate various means & methods construction techniques, productivities and construction logistics in our cost analysis.

**Contact**

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GaroviBRIDGE develops its Cost Estimates through the generation of 8 thorough price reports, individually representing the costs of our projects’ required materials, equipment, and man-hours in an accessible price breakdown. At the end of Cost Estimate development, each generated report is combined into a consolidated PDF report or a comprehensive Cost Estimate book upon client request.

With each project section and item systematically placed with the appropriate corresponding labor, materials and equipment adapted to the project’s unique location and local conditions, the detail of GaroviBRIDGE’s Cost Estimates is simply unmatched amongst traditional unit-cost estimating methods.

GaroviBRIDGE’s Cost Estimate report breakdown is comprised of:

- Cost Estimate Summary
- Item Cost Summary
- Item Total Cost Summary
- Cost Estimate Line Detail
- Labor Hour Summary
- Equipment Hour Summary
- Material Quantity Summary

Contact
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With accurate Quantity Surveys being the basis of budgeting, estimating and assessing projects, it is imperative to understand exact dimensions, forms and configurations of project elements, regardless of project size. Our detailed Quantity Surveys allow our clients to base their Cost Estimates off the most realistic and reliable quantities possible.

Our surveyors obtain quantities by generating 3-D models of each project structure, in order to analyze the most accurate volumes possible and extract similarly detailed quantities. This systematic covering of each project element promotes an unmatched level of detail in our quantity survey generation.

Contact

James M. Watt | jwatt@garovibrige.com
Golden Gate Bridge North Anchorage (San Francisco, CA, USA)

Soyo-Cabinda Transportation Link (Congo River, Angola)
Energy Projects

- Dominion North Anna Unit 3 Nuclear Power (Virginia, USA)
- US Department of Energy: NIF (Livermore, CA, USA)
- Toshiba Nuclear STP Plant (Bay City, Texas, USA)
Performed Cost Estimations & Quantity Surveys for Domestic & International Infrastructure & Power Projects

- Texas DOT Horseshoe Project—Quantity Survey of 11 Bridge Structures
  - Dallas, TX, USA

- Texas DOT I-35E Project—Quantity Survey of 18 Bridge Structures
  - Dallas, TX, USA

- Texas DOT SH-99 Grand Parkway Project—Quantity Survey of 30 Bridge Structures
  - Houston, TX, USA

- Indian Point Nuclear Power Project, Intake Structure
  - New York, USA

- Deh Cho Bridge over the Mackenzie River
  - Fort Providence, Canada

- Dominion North Anna Unit 3 Nuclear Power Plant
  - Virginia, USA

- Structural Steel for five Railroad Stations: Hail, Majmah, Al-Qurayyat, Al-Quassim, Al-Jawf
  - Saudi Arabia

- CALTRANS 03-3555U4 Bridge Undercrossing
  - Placerville, CA, USA

- Winona Bridge: Seven bridge design alternates
  - Mississippi River, MN, USA

- Zilwaukee Bridge: Bearing replacement
  - MI, USA

- Transbay Transit Center: Bus-Ramp design and constructability analysis
  - San Francisco, CA, USA

- State of California CALTRANS Route 5/120 overhead bridge widening and San Joaquin River Bridge widening
  - Stockton, CA, USA

- API1000 Nuclear Power Plant: Concrete structures for Project Unit 1 & 2
  - Wales, UK
    - Shield Building, Auxiliary Building and Mat,
    - Annex Building, Radwaste Building, Turbine Building, Diesel Generator Building

- STP 2700 Megawatt Nuclear Power Plant: Concrete structures for Project Unit 3 & 4 Reactor Building
  - Bay City, Texas, USA
    - Control Building, Radwaste Building, Turbine Building, Ultimate Heat Sink and Reactor
    - Service Pumphouse, Intake and Discharge Structure

- New York State Department of Transportation I-287 Tappan Zee Bridge: Substructure and Superstructure
  - Hudson River, NY, USA

- CALTRAIN Rail Road Bridges and MSE Walls
  - San Bruno, CA, USA

- Metro Subway Station on Hollywood Boulevard / Highland
  - Los Angeles, CA, USA

- Metro Subway Station at Universal City
  - Los Angeles, CA, USA

- RIO TINTO Mine Camp Sports Facility
  - Liberia

- BHP Billiton TOTO Mine Camp
  - Ghana

- Lowry Avenue Bridge: Five design alternates and final tender
  - Minneapolis, MN, USA

- Soyo-Cabinda Transportation Link: Waterway Channel dredging, deep Marine Foundation, Pile Cap and Pier construction
  - Congo River, Angola

- CALTRANS 02-328034 Bridge over the Sacramento River
  - Sacramento, CA, USA
Performed Cost Estimations & Quantity Surveys for Domestic & International Infrastructure & Power Projects

- Lesley and Sheppard Metro Subway Stations and Tunnel Bridge
  Toronto, Canada

- Underground Autobahn section connecting Swiss and French freeway systems
  Basel, Switzerland

- US Department of Energy Site 300: Concrete Bunker
  Livermore, CA, USA

- Water Treatment Plant: Earthwork, Utilities and Concrete Structures
  Alpnach, Switzerland

- Golden Gate Bridge: North Anchorage Housing, North Pylon retrofit and Roadway-Deck replacement
  San Francisco, CA, USA

- CALTRAIN Stations and six railroad bridge deck replacements
  Palo Alto, CA, USA

- Complex Railroad Bridge above triple-track freight rails
  Muttenz, Switzerland

- Bay Area Rapid Transit station
  Union City, CA, USA

- California Department of Water Resources South Bay Pump Plant
  Tracy, CA, USA

- CALTRANS 04-0120F4 SAS San Francisco Oakland Bay Bridge Cap Beam W2 and Cross Beam E2
  San Francisco, CA, USA

- CALTRANS 04-0120E4 SAS San Francisco Oakland Bay Bridge Marine Foundation for Tower T1 and Pier E2
  San Francisco, CA, USA

- CALTRANS 04-012C4 SAS San Francisco Oakland Bay Bridge Pier W2 Deep Foundation in rock formation and piers
  San Francisco, CA, USA

- CALTRANS 04-0120R4 Dismantling of the 1936 Steel Truss Section of the San Francisco Oakland Bay Bridge and new South-South detour foundation and roadway
  San Francisco, CA, USA

- NV Freight Train Corridor Slurry Wall Structure
  Reno, NV, USA

- Benicia-Martinez Bridge: Marine Foundation for 18 Piers
  Benicia, CA, USA

- Carquinez Suspension Bridge: South Anchorage, piers and towers
  Crockett, CA, USA

- Railroad bridge over double-track railway system
  Muenchenstein, Switzerland

- US-Army Corps of Engineers Mississippi River Montgomery Point lock and dam
  Roseville, MS, USA

  single sided climbing formwork system

- Prestressed Concrete Bridges over two rivers
  Giswil, Switzerland

- Large Scale Telecom Utility work
  Obwalden, Switzerland

- BAY AREA RAPID TRANSIT Contract No. 15SU-120: Retrofit of eighteen bridges
  Oakland, CA, USA

- Bernal Avenue Bridge
  Pleasanton, CA, USA

- CALTRANS 04-294914 fifteen retaining walls
  Fremont, CA, USA
Railway / Highway Restoration after landslide, Giswil, Switzerland

CALTRANS 04-4A1404 one Bridge, three Retaining Walls, CA, USA

Demolition, excavation, Concrete Structure for Railway Station underground Utility System, Sammen, Switzerland

Bridge construction for NB Expressway system, Switzerland

CALTRANS 04-1A2S04 Bridge over I-980, CA, USA

Retrofitting and renovation of two 100-year-old Railway Iron Bridges, Brunig, Switzerland

Concrete work for agricultural school, Giswil, Switzerland

Concrete work for high school, Sammen, Switzerland

Connector Bridge, Ukiah, CA, USA

Utility work for Swiss Army Air Field, Alpnach, Switzerland

US Department of Energy NIF National Ignition Facility: Target Bay and Switch Yard concrete structures, Livermore, CA, USA

US Department of Energy NIF National Ignition Facility: Laser Bay Building foundation and steel structure, Livermore, CA, USA

US Department of Energy NIF National Ignition Facility: Control Building foundation and concrete structure, Livermore, CA, USA

First Street Bridge, Napa, CA, USA

CALTRANS 04-0A5314 Retrofit of six bridges, CA, USA

Two Pump Stations, San Francisco, CA, USA

CALTRANS 04-4A6704 two Bridges, CA, USA

Earth Moving and Foundation for Air Plane Hangar, Switzerland

Road Construction for Forest Service, Obwalden, Switzerland

CALTRANS 04-0A81U4 three bridges, two box culverts, two retaining walls, CA, USA

Earth Moving and Foundation for Factory, Kerns, Switzerland

Road Construction for Forest Service, Obwalden, Switzerland

Earth Dam and Concrete Structure for river Retention System, Ennetmoos, Switzerland

CALTRANS 04-129654 three bridges, CA, USA

Alameda County Transportation Retaining Walls, Fremont, CA, USA

Earth Embankment Dams, Nidwalden, Switzerland
Performed Cost Estimations & Quantity Surveys for Domestic & International Infrastructure & Power Projects

- CALTRANS 04-290844 Bridge retrofit and Retaining Walls FWY580, CA, USA
- Drill and Blast Mountain Roadwork, Obwalden, Switzerland
- Bunker with Emergency Hospital, Sachseln, Switzerland
- Large diameter Industrial Utility Tunnel and Shafts, Basel, Switzerland
- Cable Stayed Pedestrian Bridge, San Jose, CA, USA
- Ohio River Bridges, Indiana, USA
For additional information on our services and teaming opportunities,

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