

CONSTRUCTION ENGINEERING

A brilliant architectural design is one thing, but getting it built is another. Westbrook can help you get your project done by designing the rigging, falsework, formwork, erection procedures, temporary bridges, bridge float-ins or float outs and cofferdams. We also provide the following services:

Barge stability

Bridge falsework

- Bridge decks
- Concrete box girders

Overhang systems

Barge stability

Bridge falsework

- Bridge decks
- Concrete box girders
- Overhang systems
- Pier caps
- Pier shafts
- Single- and multi-span slabs
- Temporary falsework bents

Cofferdam design and analysis

Crane foundation engineering

- Cellular
- Rectangular

Engineered heavy lifts

- Rigging
- Pick beams

Erection procedures

Fall protection design

Foundation design

Girder erection sequencing

Hydraulic jacking systems

Load test frames

Phased construction planning

Pre-bid consultation and planning

Railroad span roll-out and float-out

Rehabilitation procedures

Temporary bridges

Temporary retaining structures

- Sheet piling walls
- Soldier pile walls

Value engineering



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