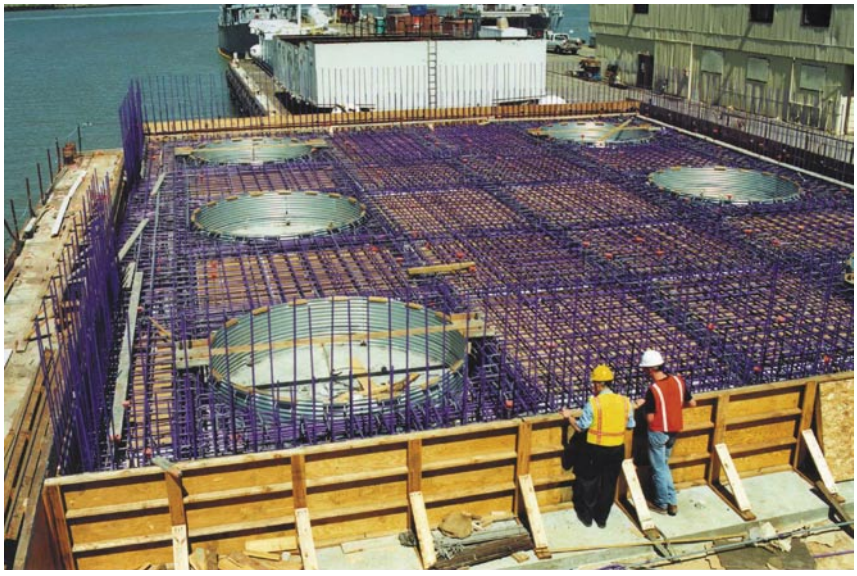
Drilled Shafts



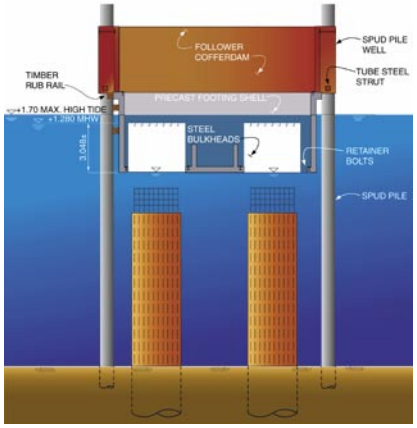
Casting of float-in cofferdam for Installation of drilled shafts for support of the four main tower legs of the New Carquinez Bridge, Crocket, CA.

Ben C. Gerwick, Inc. has completed foundation designs utilizing drilled shafts on numerous projects in the U.S. and provided expertise on projects worldwide. This area of foundation engineering involves the difficulties of maintaining the interface between the superstructure, substructure, and foundations, where severe restrictions and tolerances are often imposed.

Ben C. Gerwick Inc. is well known for its innovative design solutions and constructability support in dealing with these difficult problems. Some of the concepts developed and utilized by Ben. C. Gerwick, Inc. include precast concrete float-in structures set-down on pre-installed drilled shafts. This method facilitates construction and reduces construction costs.

The method has been successfully applied on bridge projects, for the construction of locks and dams, fish bypass structures, and for other structures in the marine environment requiring deep foundations.

Installation of drilled shafts for the new Cooper River Bridge, Charleston, SC.



Set-down of float-in cofferdam segment on pre-Installed drilled shafts, Bath-Woolwich Bridge, ME.

Recent Projects Involving Drilled Shafts:

- **Cooper River Bridge (S-G-C), Charleston, SC**
- **East Bay Replacement Bridge (S-C), San Francisco, CA**
- **3rd Carquinez Bridge (S-C), San Francisco Bay, CA**
- **1st, 2nd and 3rd Benicia-Martinez Bridges (S-C), San Francisco Bay, CA**
- **Braddock Dam, Lock #2 (S-G-C), Monongahela River, PA**
- **Monongahela Lock & Dam #4 (S-G-C), Pittsburgh, PA**
- **Charleroi Locks Addition (S-G-C), Monongahela River, PA**
- **Sonora Bypass Bridge (G-C), CA**
- **Richmond-San Rafael Bridge (S-G-C), Richmond, CA**
- **Bath-Woolwich Bridge (S-C), ME**
- **Westminster Avenue Bridge (S-C), Los Angeles County, CA**
- **Alameda Corridor CIDH Wall, CA**
- **Fish Bypass Structures (C), Bonneville, OR**
- **Wakota Bridge, MN**
- **Kap Sui Mun Bridge, Hong Kong**
- **Panama Canal Bridge #2**

Legend:
S - Structural Engineering
G - Geotechnical Engineering
C - Construction Engineering

Ben C. Gerwick, Inc. 09-113e-02a