

In-the-Wet Construction Techniques

Glostén has developed specialized expertise in construction techniques to serve clients performing challenging in-water projects.

Project:

Braddock Dam

Client:

INCA Engineers

Owner:

USACE

Contractor:

J.A. Jones/Traylor Brothers JV

Scope: Glostén assisted our client with developing installation methods in the preliminary design phase, and went on to serve on the Independent Design Review Team throughout the remainder of the project.



*Braddock Dam Shell Segment 1 being delivered down the Monongahela River.
At this time, the grout and tremie injection pipes were already installed.*

Project Description:

Glostén assisted construction efforts for the Braddock Dam, located on the Monongahela River near Pittsburg. The dam segment shells were fabricated in a casting basin 25 miles upstream, and then floated to the Braddock site, where they were ballasted down onto pre-drilled shafts. Grout underfill, then tremie concrete, and then infill mass concrete were installed on site.

Page 2, *In-the-Wet Construction Techniques*

Project:

Hood Canal Floating Bridge

Owner:

Washington State Department of
Transportation

Contractor/Client:

General Construction Company

Scope: Glostien performed the ballasting and stability calculations, including crane stabilization, for mating the underwater cross pontoon with the draw span flanking pontoons.



In this picture, the submerged cross pontoons are supported by cranes with tall bridle legs, in preparation for floating the drawspan flanking pontoons over and mating. To accomplish this, the bridle leg tension needed to be high enough to provide stability to the submerged pontoon.