



Project Description:

Complete demolition and rebuild of Tsawwassen Berth 4 while adjacent berths were active.

Demolition consisted of timber, concrete and steel structures, including:

- 11 Line Dolphins, 2 Turning Dolphins and 1 Port Wingwall and associated Catwalks.
- Portal Frame, Ramp Towers, Upper & Lower Ramps and Aprons.

Rebuild consisted of supply, fabrication and installation of new Berth design, including:

- 9 Monopiles 78"Ø complete with Parallel Motion Fender Systems.
- 2 Turning Dolphins comprised of 6 - 78"Ø piles each with a concrete pile cap and fenders.
- 1 Stop Dolphin and 1 Port Wingwall complete with fendering.
- 2 Concrete abutments and Portal Frames.
- Fabricated steel Catwalks, Ramp Towers, Upper & Lower Ramps and Aprons.
- Cathodic protection system.
- Remediation of existing sheet pile wall.

Location: Tsawwassen, BC

Owner: British Columbia Ferry Services Inc.

General Contractor: Vancouver Pile Driving Ltd.

Start: December 2009

Completion: March 2011

Value: \$ 20,000,000

