



VRCA Award of Excellence 2008 Winner



Location: Kelowna, BC
 Owner: BC Ministry of Transportation
 General Contractor: WRB Group (SNC Lavalin Inc & VPDL Joint Venture)
 Marine Contractor: Vancouver Pile Driving Ltd.
 Start: July 2005
 Completion: August 2010
 Value: \$ 40,000,000

Project Description:

- Construct a 30m wide by 100m long by 7m deep Graving Dock (Drydock) using sheet piles on the shore of Okanagan Lake for fabricating the concrete pontoons.
- Supply and install 89 piles at 2 abutments and 5 piers. The steel pipe piles of the pier are 36"Ø with 3/4" thick wall. The pile lengths vary 130 ft. to 210 ft. long. Pile penetration into the lakebed varies from 115 ft. to 160 ft. The water depth at the piers is approximately 25 ft.
- Fabricate and install new floating bridge sections from west to east consisting of 9 new floating concrete pontoons. This includes removing, shortening and reattaching the existing north anchor cables as well as temporarily connecting the new bridge to the old bridge.
- Construct and install 4 new 70 Ton concrete anchors at the east end of the bridge.
- Decommission, remove and dispose of the 850m Okanagan Lake Floating Bridge including 10 concrete pontoons anchored in place with twenty 70 Ton concrete anchors, 3 steel truss spans & 1 steel truss lift span complete with counterweights & towers and 2 concrete piers.

