

Project Brief

Darnley Bridge

Wood Pile Shear Strengthening and Protection



Eastern Canada
2005



Shear strengthening, repair and protection of damaged wood pile piers for existing bridges in Eastern Canada.

Ice shear forces, scouring of ice, and aging caused shear and necking problems for the existing woodpiles, mainly in the tidal zone.

Repair of piles by filling with cementitious materials, where necessary, then wrapping the piles with Tyfo® SEH-51A/SW1-S composite system for shear strengthening and protection of existing piles from ice forces.

Compared to existing repairs using conventional materials, the repair was less costly, faster, more aesthetically appealing, and durable.

Fyfe Co. LLC

8380 Miralani Drive, Suite A, San Diego, CA 92126

Tel: 858.642.0694 **Fax:** 858.444.2982 **E-Mail:** info@fyfeco.com **www.fyfeco.com**