



PROJECT PROFILE

Private Pier, Whidbey Island, WA
Completion Fall 2011
Contractor Whatcom Waterfront Construction
Product: Fox Industries – FX 70 System



Challenge:

Timber piles had deteriorated through age and marine borers. Replacing aging piles was too expensive and time consuming of an option for owner.

Constraints:

Pier is used for recreation by owners, closure needed to minimized. Area is environmentally sensitive to area residents and wildlife.



Solution:

Structurally restore piles in place over a several year period. Systematically using the Fox Industries FX 70 System on 20 piles per year.

Fox Industries FX 70® System is specifically designed for this type of challenge. Installation requires no specialized equipment nor product-specific labor: the System has proven its value on thousands of projects in various climates and seas worldwide.

How it works: A pile is repaired through reinforcement with a permanent outer fiberglass jacket, custom manufactured from inert, corrosion-free materials. Each jacket is positioned on a pile, its vertical seam secured by FX 763 Trowel Grade Epoxy and SS Screws, and then a bottom seal is installed of FX 70-6 MP Marine Epoxy. After setting (minimum 12 hours) the annulus is filled with FX 225 Cementitious Non-Shrink Non-Metallic Underwater Grout. This grout is pumped through strategically placed pumping ports pre-positioned on the jacket. Once the annulus is filled, FX 763 Trowel Grade Epoxy is used to top-bevel the jacket.



Why use the FX 70® System: 1) Repair of the timber pile restores the pile to its original or greater structural capacity. 2) Repair process does not interrupt the use of the structure. 3) This system has been in use for over thirty years, constantly being improved by advances in technology and practical application from contractors.

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