

S L U T I O N S

PROJECT:

Grandview Bridge

OWNER: Idaho DOT

YEAR: 2016



Badly Damaged Piles Prior to Repair



Encasement Wrapped Piles After Repair



The Details

PROJECT CONTRACTOR:

JC Constructors

PROJECT ENGINEER:

Idaho Department of Transportation

MARKET/ENVIRONMENT:

Marine

SUBSTRATE

24" Diameter Concrete Piles

PRODUCT USED:

Five Star® PileForm™ F Jackets, Pile Jacket Epoxy

Grout LPL & Structural Concrete® Underwater Hand Pack

SIZE OF PROJECT

70 Piles

The Challenge — The bridge spanning the Snake River in Grandview, Idaho was in dire need of repairs. Many of the piles had deteriorated due to the harsh marine environment. The Idaho DOT sought a way to extend the life of the structure without the high cost of replacing it.

The Solution — Five Star Products, Inc. was approached and able to offer the complete solution. The first step was to repair and reshape extensive voids in the piles with Structural Concrete® Underwater Hand Pack. This hand-applied product is specifically engineered for underwater use and sets rapidly with minimal washout. Once that was complete, 25" diameter PileForm™ F fiberglass reinforced plastic pile rehabilitation encasements were used to surround each of the damaged piles. The 1/2" annulus was then filled with long pot life underwater Pile Jacket Epoxy Grout LPL to form a permanent repair.



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