

Product & Equipment News

Castle Group announces new product to solve H-pile deterioration

The Castle Group released its newest solution to H-pile deterioration, the Hydro-Brace H-Pile Repair System. Traditionally, repairing corroded H-piles has been a labor-intensive, time-consuming and costly repair. This new product eliminates the need to sand/burn the outside H-pile section, install bulky fiberglass jackets, and replace cross-bracing and connection brackets. With the newly patented design, steel piles and beams can be repaired by using a mixture of hot-dipped galvanized steel and concrete. Rather than demolishing the original H-pile, the existing structure can be given added support, resulting in a stronger and longer-lasting H-pile. The Hydro-Brace is custom-fabricated to fit inside the existing structure of any sized H-pile or steel beam, both above and below water. Some of the unique features and benefits of the Hydro-Brace include faster installations, reduced costs and

structure with a minimum life expectancy of 30 years before the next repair is needed.

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Before
Hydro-Brace



After
Hydro-Brace

increased load capacities. Since The Castle Group has begun installing these systems, the company has been able to reduce the number of days on project sites, reduce project costs by 20% and increase the strength of the original H-pile systems by more than 30%. In the end, this results in a completed