



## CASE STUDY

# RIVIERE COCHON GRAS BRIDGE

The Riviere Cochon Gras Bridge demonstrates the resilience and longevity of galvanized structures. Originally part of the Fore River Bridge, built by Acrow Corporation, it served for 15 years, connecting North Weymouth and Quincy Point, Massachusetts, while withstanding harsh New England winters and heavy traffic. After it was decommissioned, a 25 metre section of the bridge was transferred to Perches, Haiti, by the Cashman Family Foundation in collaboration with Tighe & Bond and Engineers Without Borders.

The river, Riviere Cochon Gras, had been a dangerous obstacle for local residents, frequently flooding and preventing safe passage to medical care and essential services. Tragically,

many people had drowned while attempting to cross it. The repurposed bridge now provides a crucial, life-saving link for the community, enabling safe travel year-round.

One of the project's greatest benefits is the low life-cycle cost. Hot-dip galvanizing preserved the bridge section in excellent condition, with no signs of corrosion or need for repair, eliminating future maintenance expenses. Additionally, reusing the steel bridge avoids the environmental costs of manufacturing new materials, showcasing the sustainability of galvanized steel structures while offering a transformative solution for the people of Perches.

Top

**The Fore River Bridge in Massachusetts before a section of it was recycled and shipped to Haiti to serve a local community**

Bottom

**The centre structure of the bridge before dismantling**





Left

**Birds eye view of the Riviere Cochon Gras Bridge- highlighting the effect of this project on the community by connecting two sides of the river**



Left

**The reuse of the bridge section has removed a dangerous obstacle for a local community in Haiti**

## **Learn more about galvanized steel and the circular economy**

The galvanizing industry is moving forwards - keeping galvanized steel at the forefront of solutions for tackling climate change and delivering the circular economy.

Galvanized steel can provide innovative solutions that optimise durability and facilitate circularity of steel structures and components. These solutions can be easily implemented using this well-established and simple method of protecting steel.

Learn more at [www.galvanizingeurope.org](http://www.galvanizingeurope.org)