



Project Title:	Hayle Swing Bridge
Client:	Highways England
Date of Work:	Mar 2015

Project description

Bridge structure HYL/2 carries a bridleway over Copperhouse Creek in Hayle Cornwall. The structure was constructed in 1875 to carry a public highway and Hayle Wharves Branch Line over the entrance to Copperhouse Creek, it was allowed to swing clockwise to allow boats to enter the creek. The structure is a multi span half through girder with three longitudinal wrought iron plate girders with a variable depth, spanning between the longitudinal girders are wrought iron plate cross girders. On the west side of the bridge two orthogonal layers of timber span between the top flanges of the cross girders, with a flooring panel on top. At the east side of the bridge, half the side is timbered over with one layer of timber and a flooring panel, the other half is open, a galvanised steel pedestrian fence separates each half. The bridge is Grade II listed. The bridge was repaired and repainted ensuring the long term durability of the structure.

Project Constraints

- Ecology.
- Public Interface.
- Poor condition of structure.
- 3rd party negotiations (landowners).
- High Level access.
- Material handling logistics.
- Site Security.
- Working over water.
- Contamination of watercourse and marine life.
- Traffic Management.