



# River Fowey Viaduct Replacement, Lostwithiel, Cornwall

## Case Study



### Background

Network Rail sought a contractor to undertake replacement and repair of the River Fowey Viaduct, in order to improve the longevity of the structure. The viaduct is situated over the River Fowey, southwest of Lostwithiel, Cornwall.

### Delivery

Centregreat Engineering were awarded (by R&W) the package for the following works to facilitate the upgrade:

- Fabrication of the structure
- Coating of all new elements
- Trial erection of the new D-Decks at our Cardiff fabrication facility
- Delivery of the 6 girders and the bridge deck sections to the site laydown area
- Site assembly of the three new decks
- Installation over the River Fowey

**The completed structure was a complex 60m triple span, comprising a total of 300Te steel, curved in plan and canted in section.**

### Outcome

Trial erection at our Cardiff facility was employed to guarantee there were no issues once the vast sections were delivered to site.

Following successful delivery of the 4.2m wide deck sections, navigating the narrow streets of Lostwithiel, the deck assemblies were erected in the laydown area by our team and installed during the 50 hour blockade with no issues.

Collaborative working between our site installation team, the Ainscough Crane Hire Team and the R&W teams safeguarded success of the installation.

On completion, Scott Pillinger, Network Rail Programme Manager said: *"I'm really proud of what the team has achieved."*



*"This was a very complex bridge replacement scheme which involved lifting in and lifting out hundreds of tons of steel."*

*"The engineering precision to design, manufacture and install the bridge, which is on a curve and gradient was exceptionally challenging, but as planned the new bridge has been installed successfully and trains are now travelling over it."*



**Client:** R&W / Network Rail

**Delivery Period:** Dec 2020 – Mar 2021