

Carlisle Southern Link Road

CLIENT: Morgan Sindall

LOCATION: Carlisle, UK

YEAR OF COMPLETION: 2022

We undertook the Category 3 independent check of two bridges for this major new highway scheme around Carlisle in Cumbria.

The Caldew Bridge (pictured) is a three-span steel-composite girder viaduct with a 70m main span crossing the River Caldew as well as the Cambrian railway line. The deck is integral with the masonry clad feature piers but supported on bearings at the abutments.

We also checked a single 24.5m skew span prestressed beam and slab integral bridge over the Est Coast Main Line Railway. This bridge had reinforced earth wingwalls.

In addition to the permanent works check we also prepared temporary works designs for erection of the steelwork on the Caldew Bridge including the temporary jacking and restraint system required until the permanent bearings are installed.

KEY FACTS:

- 179m long steel-composite viaduct
- Bridge over mainline railway
- Independent check of permanent works
- Temporary works design

