



Newport Station Canopy Refurbishments

Case Study



Background

The existing canopies at Newport Station were of a composite nature, made up of cast iron columns with a steel, timber and glass canopy construction.

The scope of this project included the canopy cutback and associated works in preparation for the electrification of the rail lines to Cardiff Central Station. The cutback works include reducing the length of the existing cantilever lattice beams and replacing the existing steel fascia and timber dagger boards with a new steel fascia truss which was then clad with a GRP dagger board panel to replicate the original fascia.

New profiled roof cladding and rain water goods were then installed to complete the process.

Delivery

The key activities completed by Centregreat Rail included:

- Removal of existing roof sheeting;
- Removal of existing fascia trusses;
- Cutting back of the existing steel lattice cantilever canopy beams;
- Paint repairs to the end of the steel rafter with a M34 paint system;
- Installation of new fascia trusses;
- Installation of new GRP dagger boards;
- Installation of new roof sheeting and polycarbonate glazing system (if required);
- Design of all necessary temporary works;
- M&E surveys throughout the station;
- Design and installation of temporary lighting to the underside of canopies 1, 2 and 3;
- Removal of the existing footbridge between platforms 1 & 2 and platforms 3 & 4 using

necessary rail plant and cranes situated within the station car park area;

- Platform gauge surveys and clearance works comprising of
- platform coper adjustments and platform surfacing works.

Outcome

Centregreat also carried out non-intrusive M&E surveys to determine all electrical cable locations and subsequently removed the existing lighting that clashed with the cut back works and installed temporary platform lighting to the above platforms.



Client: ABC Electrification for Network Rail

Value: £3.3M

Delivery Period: Mar 2016 – Dec 2017