

Axminster Station Redoubling Scheme

Client:	Network Rail
Location:	Axminster, Devon
Value:	£2.6m
Duration:	9 Months



In Brief...

Barhale were awarded this design and construct contract by Network Rail to undertake a scheme to construct a new steel footbridge and platform to replace the existing disused platform at Axminster Station. This project was part of a larger £12m package by Network Rail, which involved the reinstatement of a second line, which the new platform would service.

Barhale liaised directly with Network Rail and three other contractors working on other elements of the package. Through the efficient and collaborative scheduling of the works there was minimal disruption to the local community and travelling public.

Customer Benefits...

- Successful delivery: project was delivered to a tight programme and within budget constraints
- Zero Waste to Landfill all arisings were recycled and the works were completed using recycled brickwork and concrete as fill for the platform
- Efficiently completed Barhale used innovative practices to reduce time on site and complete works under budget
- Great Customer Service: Barhale recognised the scheme had the potential for causing inconvenience to the travelling public. This was avoided through close liaison with the station's passengers and local businesses
- Registered with Considerate Constructors Scheme: complied with CCS code to minimise disruption and showcase best practice. The site achieved a score of 35.5 and was recognised as a very considerate site!

Efficiency...

Barhale are always looking to challenge practices to improve efficiencies. On this scheme efficiency savings were made, including:

- Maximising the use of Green Zone working: Barhale used regular T2 possessions during the day rather than T3. This allowed continuity for the workers and decreased disruption on the lines
- Employment of a Logistics Manager who dealt with plant and material ordering. This provided cost savings that far outweighed the cost of employment

Innovative Practices...

Over the course of the scheme Barhale used innovative practices to save time and reduce cost.

- Island bridges : Use of the proprietary polystyrene bridge allowed access to island platforms, eliminating the need for road rail vehicles and trains to distribute plant and materials

The aforementioned innovation provided cost savings and efficiencies that reduced time on site and the use of possessions.



Fitting out lifts



Setting platform copers whilst track closed. New line on left hand side of picture.

Customer Service...

The project had the potential to disrupt the travelling public, and required a significant public interface to keep local stakeholders informed on the progress of the works. Barhale led initiatives included:

- Holding weekly TOC interface meetings
- Issue of public notices, newsletters, posters, signs and information boards
- Specially engineered viewing points so the station's passengers could view the progress of the works

Environment...

Our environmental performance excelled in managing to achieve 'Zero Waste to Landfill'. All brickwork, concrete and demolished arisings were crushed on site and reused as fill for the new platform. Barhale crushed 200t of redundant concrete, troughing was later removed and reused as fill within the new platform and escape route footpath.

Technical Features...

Barhale's package of work to upgrade Axminster Station, comprised the design and construction of a new platform to replace the redundant platform 2 as well as the design and construction of a new DDA compliant footbridge and lifts. The key work elements were:

- Revised GRIP 4 design and Form A/ Form D resubmission, improving buildability
- GRIP 5 detailed design for all elements of work
- Temporary works design for piling mats and craneage
- Demolition of disused platforms
- Piling and RC sub-structure works to form the lift pit and foundations to the footbridge
- Fabrication and installation of DDA compliant steel footbridge and lift towers
- Pre-cladding and glazing of footbridge systems including M&E
- Installation of lift
- Platform Drainage, ductworks and chambers
- Foundations for CCTV, lighting columns and platform furniture
- M&E works: new platform lighting and bridge lighting scheme
- Signalling enabling works: troughing and route works, bases and bracketry for all signalling platform installation

All works were completed using our directly employed staff and our own plant, allowing us to accelerate the programme and achieve high standards of workmanship and safety.