

Project Name: Core Valley Lines - Britania Road Track Lower

Client: Transport for Wales/Balfour Beatty

Approximate Value: £335,000

Duration: 154Hrs June 2023

Description of service:

The Core Valley Lines Transformation Project (CVL) forms part of the South Wales Metro with the aim of improving rail transport from the valley lines into Cardiff and includes track improvements (new loop lines, track slewing, track lowering), improved railway stations, new and improved signaling equipment, civil works to facilitate and electrification of the routes throughout the valleys and into Cardiff Queen Street and Cardiff Bay.

ASH Construction were contracted to carry out a track lower at Britania Road Bridge to enable future Overhead Line equipment and the electrification of the Treherbert to Ponypridd Jn route. During the Track Renewals, ongoing Bridge Monitoring was carried out by ASH Engineering Team.

The track renewal of the Up Treherbert(140m) & Down Treherbert (310m), extended Tamping Scheme and associated Stressing as part of the Core Valley Lines Transformation Project. All works delivered within a single 7 day block in June 2023

- Design Validation Surveys & Setting Out prior to Core Delivery and creation of 3d Trimble machine control files.
- Formation Renewal on both tracks, 6 x Engineering Trains used to take away Spoil & bring in new Ballast.
- Reuse of existing sleepers and CWR.
- Tamped, welded and stressed.
- Installation of 270 Lateral Resistant Plates (LRPs) on Up & Down Treherbert Lines.
- Design Tamping associated with Plainline Renewal.
- Structure/Bridge Monitoring
- Taking Over Certificate, physical and document deliverables submitted to the client.

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Permanent Way Case Study







