



Beckton Depot

PROJECT DESCRIPTION

The Beckton Depot Upgrade Project has been developed and awarded to facilitate the upgrade to the existing depot for the maintenance and stabling of new 88m long trains. As part of the works, a new maintenance facility building will be built along with various changes to the track layout, the creation of new stabling roads, new S&C, lighting, platforms, walkways and signalling.

The remodelling of the Northern and Southern sidings will be undertaken to provide 46 stabling berths which will all be 88m long to accommodate the new trains or three B2007 units coupled together. The £35 Million Northern Siding Package will see upgrade works on the northern sidings at the depot, with plans to develop the South Side of the depot in the near future.

As Buckingham Group's approved signalling contractor RTIS are responsible for the complete management of all signalling works associated with the project including the interface between the designers and working in conjunction with the signalling software development team. As part of the project RTIS will procure and install all signalling equipment associated with the works and will undertake all activities in line with DLR standards.

The complex nature of the works is broken down into 4 distinct signalling stages C1W, C2P, C4P and C6P, along with a further 3 enabling stages which will all be managed, resourced and delivered by RTIS.

CLIENT

MORGAN SINDALL

PROJECT VALUE

£6.7 MILLION

DURATION

2021 - ONGOING

ACTIVITIES UNDERTAKEN

- Provision of signalling engineering management & CRE responsibilities via team of qualified and experienced IRSE signalling engineers
- Provision of testing management including principles testing via qualified and experienced IRSE signalling engineers
- Signalling correlation of existing assets
- Installation of 42 x HVI track circuit equipment
- Installation of LED signalling system using proven and reliable technology
- Pre-fabrication of new REB's and associated infrastructure, providing hubs for critical equipment
- Installation of all new signalling signage and berth marker boards to ensure trackside safety
- Mechanical and electrical set up of 12 new in-bearer clamp lock (IBCL) points machines in accordance with NWR standards
- Pre-testing of all signalling equipment to NWR standard NR/L2/SIG/30014
- Staged test & commissioning planned over four stages delivered to agreed timescales
- Works support wider regeneration of the Royal Docks and Beckton area of east London