

Project Profile :: Railways

Vauxhall Station - Step Free Access

Client: London Underground Ltd

Contractor: Bechtel

Scott White and Hookins' Role:

 Civil Engineering

 Structural Engineering

As part of the step free access programme Scott White and Hookins were the structural and temporary works designers for this project at Vauxhall Station.

The structural design elements comprised primarily of the design and detailing of significant new openings through the main station wall and the support of the station roof slab to allow load bearing internal below ground walls to be demolished. SWH produced an innovative design which could be installed without the need for any significant temporary works.

Part of the works comprised the refurbishment of an existing lift shaft to accommodate a LUL standard lift. The works involved widening the existing shaft and the formation of new openings within the shaft. A loading assessment of the shaft also had to be undertaken.

All of the elements required approval documents to be produced including CDS's and QSLA's with submissions being controlled by our own QA procedures and feeding into the overall project procedures required by Bechtel and London Underground.

The design elements had a tight programme to meet the construction programme and allow time for approvals to be obtained.

