

West London Lines Stations



Project Summary

Overview

Platform extensions at key stations along the West London lines to increase passenger capacity, reduce over-crowding and facilitate 8 / 10 x car operations

Also included within the scope was to extend platforms at Purley station and Watford Junction station

Locations

- Purley station
- Clapham Junction station
- Imperial Wharf station
- West Brompton station
- Shepherds Bush station
- Watford Junction station

Services Undertaken

Permanent Way design and 3rd Rail design (GRIP 3-5), structure gauging / stepping analysis and staging designs

Value Added by Novus Rail

Circa £0.1 million savings were realised at Purley station by rationalising the outline design prepared by another Consultant, to minimise the impact on the adjacent sidings

Key Project Specifics

Purley Station

- Permanent Way and 3rd Rail ETE design (GRIP 4+5)
- Signal, trap point and siding relocation
- Traction reinforced bonding design
- Platform stepping distance and passing clearance analysis
- Staging design considerations

Clapham Junction Station

- Permanent Way design (GRIP 4+5)
- Platform stepping distance and passing clearance analysis

Imperial Wharf Station

- Permanent Way design (GRIP 4+5)
- Platform stepping distance and passing clearance analysis

West Brompton Station

- Permanent Way design (GRIP 4+5)
- Platform stepping distance and passing clearance analysis

Shepherds Bush Station

- Permanent Way design (GRIP 4+5)
- Platform stepping distance and passing clearance analysis

Watford Junction Station

- Permanent Way design (GRIP 4+5)
- Platform stepping distance and passing clearance analysis