

Northern Line Extension

BI-MONTHLY UPDATE

March - April 2017

NLE Battersea Power Station

Thank you for your patience whilst we continue with the Northern Line Extension (NLE) works near you. We would like to update you on where we are and what is planned for the next couple of months.

What has been completed:

In February, we lifted the two Tunnel Boring Machines (TBMs), Helen and Amy, into the Crossover Box ready to begin their journey. The lift was carried out using a 750 tonne crane which had been delivered in pieces and assembled on site during the first week of February. The lifts themselves were carried out over the course of two days; first Helen was lifted into the crossover box followed by Amy. Each TBM weighs 300 tonnes and due to the complexity of the lifting of delicate machinery, this activity could not be rushed, hence the two days set aside for lifting.

In the run up to the lift, we held a stakeholder day for the local community to see the TBMs and speak to members of the tunnelling team about the work they will deliver. The day was successful, with guests given a presentation on the history of Battersea Power Station, the huge redevelopment of the area and the tunnelling process, followed by a visit to the viewing platform on site. Feedback was positive from those who attended and we hope to hold further visits in the future.

During February, we also reached our 300th barge movement and our biggest load so far of 1,442 tonnes. We are committed to removing as many lorries from the roads as possible during the project. As our Battersea site is so close to the river, it was decided that removing excavated material via barge would be the best way to reduce lorry movements as well as our carbon footprint. To date we have removed approximately 30,000 lorries from the road. To date we have removed more than 305,000 tonnes of excavated material by barge. We will continue to remove excavated material from our sites via barge, this will continue to allow us to remove unnecessary lorries from the roads and reducing our carbon footprint.

Below – images of the Stakeholder Day, Helen being lifted and the 750 tonne crane.



Please see overleaf

As part of the construction of the station box, we have completed the capping, propping and spine beams work, also known as “grillage” for basement level minus 1. Work to excavate the station box will continue throughout 2017.

What is planned:

During the next couple of months, we will be continuing with the construction of the station and crossover boxes. These will be the final structures for the station, including platforms, ticket halls and entrance halls. The crossover box will provide the trains with the ability to switch tracks at the end of the line, removing the need for a loop which would require more tunnelling and construction work.

In March we will be launching the first TBM, ready to begin its 3km journey, digging the tunnels between Battersea Power Station and Kennington. This will be followed by the second TBM in April. They will tunnel at a depth of approximately 25m.

Cementation Skanska (CSL), our contractor, will continue with the construction of the Diaphragm Walling within the station box, working from west to east. During the next few weeks, we have scheduled in the pour of the final large 550m³ panel within the south east corner of the station box, which will take approximately 24 hours to complete. CSL will complete their works within the station box by the end of April and will demobilise from site, leaving FLO, the principle contractor to continue construction of the ground level reinforced concrete beams within the station box.

Toward the end of April we will begin the excavation down to basement level minus 2, starting from the furthest western part of the box. This excavation will be 7m in depth.

Our core hours:

0800 to 1800 Mondays to Fridays and 0800 to 1300 on Saturday. Tunnelling Works 24/7

Your feedback is important to us. Please do get in touch if you have any questions about the NLE works.

If you would like to be added to the mailing list, please contact us at nle@tfl.gov.uk or call our 24/7 helpdesk on 0343 222 2424 (Option 1)

