

# Northern Line Extension

## PROGRESS UPDATE

August-October 2018

### NLE Nine Elms 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 quarter.

#### What has been completed:

Over 105,000m<sup>3</sup> worth of spoil was removed from the Nine Elms site during the excavation phase of works which concluded at the end of April (See Fig. 1 below). Upon completion the team were then able to commence with laying the concrete base slab on top of the formation. This required a total of 2,085 tonnes of fixed steel and 7,320m<sup>3</sup> of concrete to be poured which was carried out in 10 sessions over a 3 month period. (See Fig.2 below).



Fig.1 Excavation to B14 at Nine Elms Station



Fig.2 Base slab construction complete

The structural lining walls around the perimeter of the station at basement level -2 were completed at the end of July. The sequence of construction followed a process of spraying a thin layer of concrete on the piled wall to create a smooth surface which allowed for the installation of waterproof lining, followed by steel fixing and a final layer of concrete. This same sequence will be applied to the lining walls at basement level – 4 which are expected to be complete by mid-September.

The east headwall which is the wall around the tunnel eyes shown in Fig.3 overleaf is now complete. The tunnel eyes were cut to profile using a remote controlled demolition machine.



Fig.3 Eastern head wall

### What is planned:

In the coming months, one of the main activities taking place on site will be the installation of the precast platform at basement level -3. In total there are 577 precast elements (walls and slabs) to be delivered to site on a daily basis over the coming months. They will be lifted and lowered by crane into the station where they will then be stitched together in situ to complete the future platform where passengers will wait to board the train.

In addition to the above, the team plan to finish the construction of columns at basement level -2 and -4 by affixing shuttering and pouring concrete to produce the finished pillar.

Following on from the completion of the eastern head wall (as per Fig.3), the team will turn their attention to the west where the same sequence of works will take place. Blockwork will begin at the end of August which will start to form rooms and corridors, slowly turning the concrete structure into the future underground station. Deliveries will remain consistent over the next few months as concrete pours reduce but deliveries of pre cast elements rise.

At the end of September, works will start to create the superstructure in the east of site (towards Wandsworth Road). This will be a two storey reinforced concrete structure that will rise approximately 12m above ground level and will house the future ticket hall entrance to the station.

Our core working hours are **08:00 to 18:00 Monday to Friday** and **08:00 to 13:00 Saturdays** on the surface. For all activities related to excavation and deliveries, we may also use the approved extended hours of **07:00 to 21:00 Monday to Friday** and **07:00 to 19:00 on Saturdays**.

If you have any concerns or queries, please contact us at [nle@tfl.gov.uk](mailto:nle@tfl.gov.uk) or call our 24/7 Helpline on 0343 222 2424 (Option 1).

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