

# More Trains, More Services

## Mortdale Maintenance Centre Upgrade



### What's been happening behind the walls of the maintenance centre?

Earlier this year we completed excavation and piling activities for the installation of concrete capping beams. These concrete capping beams form part of our two new retaining walls. We have poured and installed approximately 1,000 tonnes of reinforced concrete to create these structures and stabilise the earth in preparation for ongoing excavation activities.



*Installation of reinforcement cage in preparation for the capping beam concrete pour.*

In March we started major excavation activities to create space for the construction of underground structures that will host a bogie exchange system (allowing the interchange of wheel sets taken from underneath train carriages).

To support our excavation work and stabilise the earth, we have also installed soil nails (anchors drilled into the ground to secure built infrastructure) and have started shotcrete activities (spraying concrete against the face of the excavation).

### What's next?

In April we will complete the excavation activities we started in March, digging until we have reached a depth of six metres to securely install the underground structures.

Once this depth has been achieved, we will start our structural concrete activities with the installation of underground services, base slabs and walls which will form the underground chambers carrying the bogie exchange system.

## Australian first installed in our site offices

After reducing the carbon footprint of our concrete mixes by 16% earlier this year, we are continuing to champion sustainability and innovation at Mortdale.

In March we installed a *breathing totem* to clean the air inside our site offices. The *breathing totem* is a modular unit covered in 72 living plants which ventilate the surrounding air, pulling microscopic pollutants into the root system, producing 140 cubic metres of clean air per hour and removing 62 litres of carbon dioxide.

The Mortdale Maintenance Centre Upgrade is the first Australian construction site to install this natural air purifier and will form a case study for The University of Technology Sydney in further investigations into the potential benefits of implementing this unique technology within the construction space.



*Breathing totem* installed in our site office

## How we are keeping our sites safe

In line with current Australian Government guidelines around slowing the spread of coronavirus and social distancing, all work will be carried out at a safe physical distance where possible and necessary hygiene practices will be observed.

## Changes to standard construction hours

To support the construction industry through coronavirus, in March 2020 the NSW Government introduced an amendment to the legislation regarding standard construction hours which enabled activities to be carried out between 7am and 6pm on weekdays, weekends and public holidays.

This amendment came to an end on 25 March 2021 and standard construction hours across all of our construction sites have now reverted back to 7am until 6pm Monday through Friday, and 7am until 1pm on Saturdays.

## About More Trains, More Services

Over the next ten years the More Trains, More Services program will simplify and modernise the rail network so that customers can expect more frequent train services, with less wait times, less crowding and more seats on a simpler, more reliable network.

## Contact us

For more information or to subscribe for project updates:

 **project information line: 1800 684 490**

 **24/7 construction response line:  
1800 775 465**

 **projects@transport.nsw.gov.au**

 **www.transport.nsw.gov.au/mtms**

## Translation



If you require the services of an interpreter, please contact the Translating and Interpreting Service on **131 450** and ask them to contact Transport for NSW on **1800 684 490**.

An interpreter will assist you with translation.