Construction partner: Design & Construction

Major construction of the Metro Tunnel is continuing at and around the Arden Station site. This update provides an outline of current and upcoming works in your area throughout May.

Construction snapshot
The project’s first two tunnel boring machines (TBMs) are being reassembled at the eastern (Laurens Street) end of the Arden Station box. The first TBM, Joan, is expected to commence tunnelling towards Parkville in mid-May. Work at and around the Arden Station site during May involves:

- TBM reassembly and commissioning, and the commencement of tunnelling towards Parkville
- Out of hours oversize deliveries to and from site
- Station box construction, including concreting of the internal station walls, concourse level and station roof, and removal of struts
- Slurry treatment plant, water treatment plant and concrete batching plant operation
- Intermittent utility investigations on Laurens, Barwise and Queensberry streets
- Surveying, and sampling and testing of groundwater and soil
- Transporting concrete from the concrete batching plant to other Metro Tunnel Project construction sites
- Ground improvement site reinstatement works on Lothian Street, North Melbourne
- Ongoing service investigations and site establishment for the North Melbourne electrical substation.

Further information on these works can be found overleaf or at metrotunnel.vic.gov.au.

When are we working?

Normal construction hours
7am to 6pm, Monday to Friday
7am to 1pm, Saturdays
Some activities may be required to continue slightly past these hours. All efforts will be made to complete activities as scheduled.

Out of hours
Some works are required to take place out of normal construction hours. The timing of these works are outlined in the construction information overleaf.

24 hours
24 hour works are sometimes required during peak construction activities. The timing of these works are outlined in the construction information overleaf.

Project Information Line
1800 105 105
24 hours a day, 7 days a week
Press 2 for Metro Tunnel
WORKS IN YOUR AREA

**TBM reassembly**

Arden Station site
Ongoing until June 2020

- All TBM shield components have been returned to the Arden Station site where they have been cleansed and reassembled.
- The TBM components will be transported and commissioned so that tunnelling towards Parkville can commence.

**Tunnelling**

From Arden to Parkville
From mid-May 2020

- The first TBM, Joan, is expected to commence tunnelling towards Parkville in mid-May. The second TBM, Meg, will commence tunnelling towards Parkville approximately four weeks later.
- During tunnelling, the slurry treatment plant and water treatment plant will operate 24 hours a day, 7 days a week.
- On average the TBM will move around 10 metres every 24 hours.
- Property condition surveys are being undertaken to establish properties on the tunnel alignment based on a detailed environmental assessment. Of ers are being made progressively, from the Arden Station site towards the Parkville Station site.
- Properties located near tunnelling works will be contacted with further information before tunnelling occurs in their area.

Cross passage construction

From the Arden Station site to Kensington
May 2020 to early 2021

Cross passages are short tunnels that connect the twin tunnels and are an important safety feature as they allow people and emergency services to move from one tunnel to the other in the event of an emergency. There will be 26 cross passages located at regular distances along the tunnel alignment.

During May, works to construct the four cross passages between the Arden Station site and western tunnel entrance at Kensington will commence. The first stage of work involves:

- Installing work platforms and steel bracing frames inside the completed section of tunnel
- Geotechnical probe drilling in cross passage locations. This involves drilling through the tunnel wall and collecting samples to confirm ground conditions in each location.
- Cutting through the tunnel walls using a wall saw
- Each cross passage is expected to take approximately six months to construct.
- Works will occur concurrently at different cross passage sites.
- These works are not expected to be audible at surface level
- Further information about cross passage construction can be found at metrotunnel.vic.gov.au

Station box construction

Arden Station site
Ongoing

- Removing steel struts from within the station box using hand tools and cranes

Ground improvement and reinstatement works

Lothian Street, North Melbourne
Ongoing until May 2020

Jet grouting to improve the condition of the ground beneath Lothian Street is now complete. Further works involve:

- Removing the concrete barriers on the eastern and western sides of Lothian Street using a crane and trucks
- Removing temporary line marking south of the site
- Reassembling the impacted section of road, including the use of an asphalt paver, road profiler and vibration roller
- Installing new kerbs, centre medians and garden beds
- Reinstating speed bumps and associated signage and line marking at the northern end of Lothian Street
- Reinstating the five trees and irrigation system that were removed from within the centre median
- Lothian Street will remain closed between Arden Street and the southern entrances to Little Dryburgh Street North and Little Lothian Street North until reinstatement is complete

Site investigations including survey and soil sampling

Lothian Street, North Melbourne
Ongoing until June 2020

- Service investigations using non-destructive drilling (NDD) trucks to locate underground services and reinstating the road surface and line marking
- These activities are expected to generate periods of medium to loud noise
- These works may include intermittent impacts to traf c c and on-street parking. See the traffic impact section below and the map for further information.

Utility investigation works

Laurens, Barwise and Queensberry streets, North Melbourne
Ongoing until mid-2020

- Service investigations will be undertaken intermittently in Laurens, Barwise and Queensberry streets

- This involves the use of non-destructive drilling (NDD) trucks to locate underground services and reinstating the road surface and line marking

- These activities are expected to generate periods of medium to loud noise
- These works may include intermittent impacts to traf c c and on-street parking. See the traffic impact section below and the map for further information.

Business support

Now more than ever, local businesses near our construction sites need your support. In these uncertain times, businesses are doing it tough. Where possible, in line with Government advice, please continue to shop local, and show your support.
LOOK AHEAD FOR 2020

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Program is indicative and subject to change

Traffic and transport impacts
- Up to 200 trucks per day are expected to travel to and from site during May. Construction vehicles and trucks will access the site via Laurens and Arden streets
- All trucks carrying excavated materials will be covered, and water carts and street sweepers will be used to minimise the spread of dust
- Rumble grids have been installed to remove debris from the wheels and carriages of vehicles to minimise the spread of dirt on local roads.

Utility investigation works
- Utility investigations will involve the intermittent closure of Laurens and Barwise streets down to one lane. Traffic will be maintained in both directions via a shuttle flow arrangement
- Some on-street parking spaces may be temporarily impacted on Barwise, Queensberry and Laurens streets
- Sections of footpath on Laurens Street, adjacent to works, may be temporarily closed at all times
- Access to businesses will be maintained
- Signage and traffic controllers will be in place to direct vehicles, cyclists and pedestrians around the work area.

Health and safety
The health and safety of our workers is our key priority as we continue to deliver the Metro Tunnel Project, as is supporting social distancing measures in line with current health advice. We have strict protocols in place to protect the safety of our construction workforce, including enhanced industrial cleaning arrangements, provision of personal protective equipment and measures to reduce staff contact, including staggered shifts.

For more information and advice about the outbreak of Coronavirus, please visit coronavirus.vic.gov.au.

Traffic and transport impacts

More information
To find out more about the Metro Tunnel Project and register for future email updates:

metro_tunnel.vic.gov.au
1800 105 105 (24 hours a day, 7 days a week)
Press 2 and follow the prompts
Interpreter Service (03) 9209 0147

Substation site establishment

It should be noted that this information is current at the time of printing, however due to unforeseen circumstances, changes may occur. Please visit metrotunnel.vic.gov.au for the latest updates.