

Construction update

North Melbourne

April – May 2021

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 April and May.

Construction snapshot

Work at and around the Arden Station site during April and May involves:

- Realigning Laurens Street
- Arden Station entrance construction
- Station services building construction
- Tunnelling support, TBM retrieval and disassembly
- Station construction, including platform, over-track exhaust and plant room construction
- Cross passage construction
- North Melbourne electrical substation construction
- Utility investigations on Arden, Laurens, Barwise and Queensberry streets
- Slurry treatment plant, water treatment plant and concrete batching plant operation
- Out of hours oversize deliveries to and from site
- Surveying, and sampling and testing of groundwater and soil
- Transporting concrete from the concrete batching plant to other Metro Tunnel Project construction sites.

Further information on these works can be found overleaf or at [metrotunnel.vic.gov.au](https://www.metrotunnel.vic.gov.au).

When are we working?



Normal construction hours

7am to 6pm, Monday to Friday
7am to 1pm, Saturdays.



Out of hours

Some works are required to take place out of normal construction hours.



24 hours

24 hour works are sometimes required during peak construction activities.

Health and safety

Works on the Metro Tunnel Project are progressing with strict COVIDsafe Plans in place.

The health and safety of our workforce and community remains our top priority.

For more information and advice about the coronavirus (COVID-19), please visit [coronavirus.vic.gov.au](https://www.coronavirus.vic.gov.au).

Works in your area

Laurens Street realignment

Laurens Street

From early May 2021 until end 2023



From early May, Laurens Street will be realigned to support service relocations and construction of the Arden Station entrance. This will involve:

- Closing on-street parking spaces on both sides of Laurens Street, from Arden Street to just south of Queensberry Street
- Removing a section of timber hoarding and installing concrete barriers on the western side of Laurens Street
- Realigning traffic and bicycle lanes around the concrete barriers
- Installing a pedestrian crossing on Laurens Street, south of Queensberry Street
- Closing the western footpath on Laurens Street, from Arden Street to just south of Queensberry Street.

Arden Station entrance construction

Arden Station site

Ongoing until mid-2022



The first stage of works to prepare for construction of the station entrance on Laurens Street has been completed. This involved installing piles to support the station entrance structure. Works to occur in April and May will include:

- Removal of sections of the station box diaphragm walls (D-walls) to prepare for station entrance structural works
- Concrete pours for the entrance level slab and entrance walls.

Arden Station services building construction

Arden Station site

Ongoing until mid-2021



- Installing steel reinforcement and formwork, including the use of cranes and hand tools, and pouring concrete to construct the building's slabs and walls
- Installing brick lined, pre-cast panels to construct the building facade
- Installing structural steel to form the building's columns and beams.

Tunnelling support

Arden Station site

Ongoing until mid-2021



- TBM Joan has now completed tunnelling. TBM Meg continues to tunnel in the Melbourne CBD

- The Arden Station site will provide Tunnel Boring Machine (TBM) and tunnelling support for the duration of tunnelling to the CBD. This involves delivery of tunnel lining segments, operation of the slurry and water treatment plants and transportation of excavated material 24 hours a day, seven days a week

- The project team will continue to undertake survey and monitoring activities at ground level along the tunnel alignment.

TBM retrieval and disassembly

Arden Station site

From April 2021 until late-2021



- Works will commence to retrieve and disassemble TBM Joan
- TBM Joan will be disassembled inside the station box using pneumatic (air-driven) wrenches, welding equipment and hand tools
- Large cranes will be used to move and disconnect TBM pieces at ground level, as well as lift them out of the station box
- This work will be undertaken at night as well as during the day and is expected to generate low levels of noise.

Tunnel internal structure works

Arden Station site

Ongoing until May 2021



- Works to construct the tunnel invert (floor) are ongoing
- This involves pouring concrete within the tunnels in sections
- Works commenced at the western tunnel entrance in Kensington and are moving progressively east towards the Arden Station site.

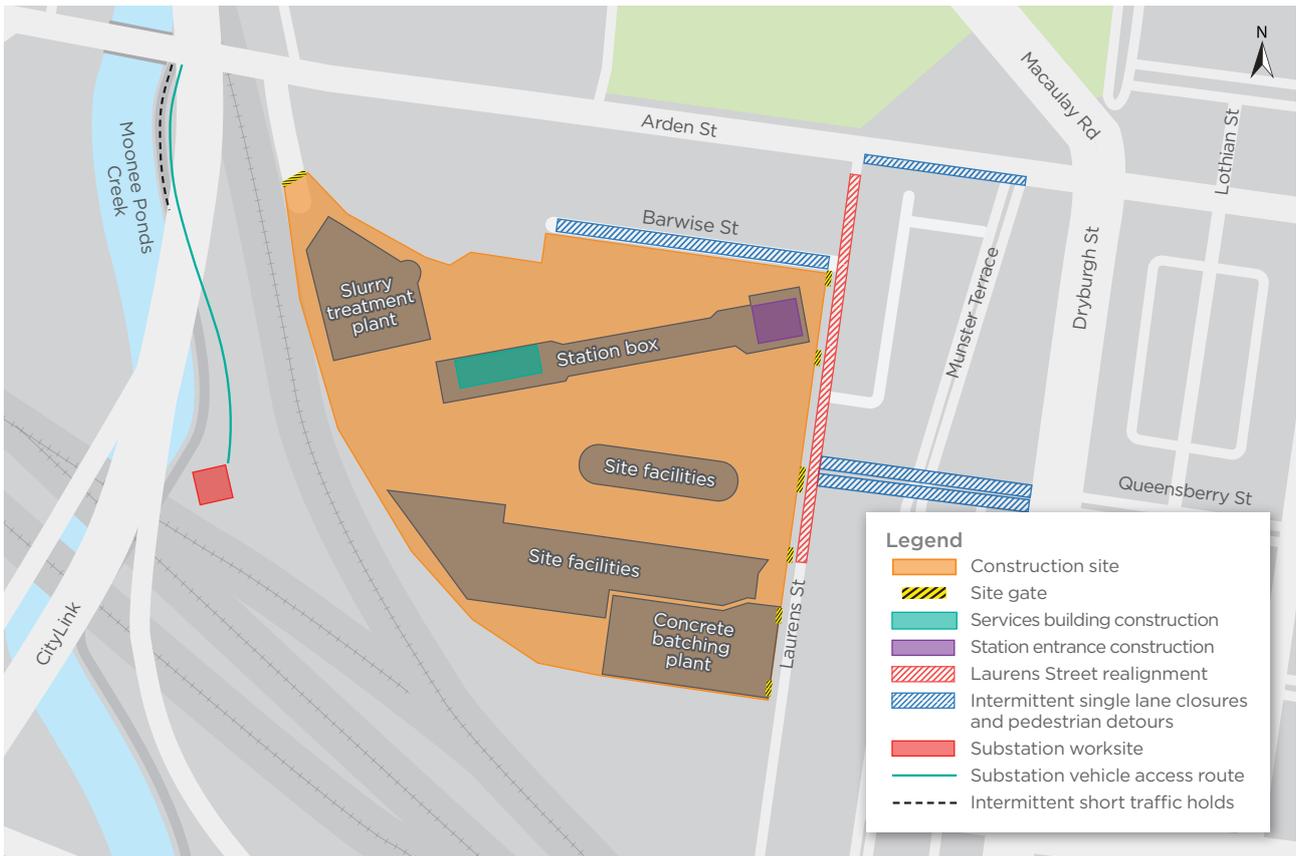
Cross passage construction support

Arden Station site

Ongoing until early 2022



- The Arden Station site will provide cross passage construction support until early 2022
- Each cross passage is expected to take approximately six months to construct. Works will occur concurrently at different cross passage sites
- All works will be completed from within the completed section of tunnels and are not expected to be audible at surface level
- Further information about cross passages can be found at metrotunnel.vic.gov.au.



Arden Station construction site. Indicative only

Platform and over track exhaust (OTE) construction

Arden Station site
Ongoing until late-2021



- Construction of the station platforms and OTE (tunnel ventilation) system is ongoing
- This involves using cranes and hand tools to install precast concrete units within the station box, and pouring concrete
- Works will be undertaken in two stages, taking approximately three months each. The first stage of works will be completed in April 2021 and the second stage of works is expected to commence in mid-2021.

Utility investigation works

Arden, Laurens, Barwise and Queensberry streets, North Melbourne
Ongoing until mid-2021



- Service investigations will be undertaken intermittently in Arden, Laurens, Barwise and Queensberry streets
- This involves the use of non-destructive digging (NDD) trucks to locate underground services and then 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 traffic, footpaths and on-street parking. See the 'traffic and transport impacts' section for further information.

North Melbourne electrical substation construction

North Melbourne
Ongoing until mid-2021



- Service investigations using NDD trucks to locate underground services will be required intermittently as construction progresses
- Ongoing site investigations and monitoring activities including survey and soil sampling
- Constructing the substation structure by installing precast concrete panels and structural steel, and pouring concrete
- Short holds of traffic on the Moonee Ponds Creek Trail will be required intermittently while large construction vehicles travel along the narrow section of the existing access track near Arden Street. Traffic controllers will be in place to direct cyclists and pedestrians
- For more information on the North Melbourne electrical substation visit metro.tunnel.vic.gov.au.

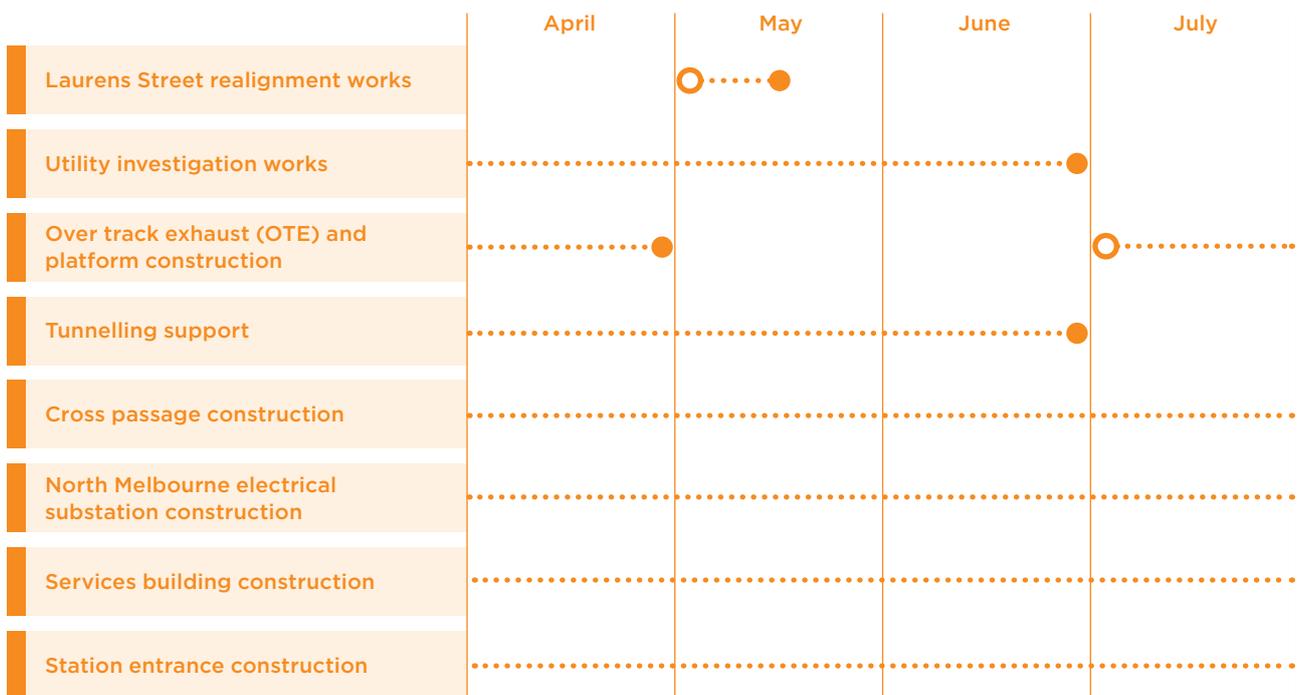
Traffic and transport impacts

- Up to 400 trucks per day are expected to travel to and from site. 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 frequently to minimise the spread of dust
- Rumble grids and a wheel wash 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 short-term closure of one lane on Arden, Laurens and Barwise streets. Traffic will be maintained in both directions via a shuttle flow arrangement
- Some on-street parking spaces may be temporarily impacted on Arden, Barwise, Queensberry and Laurens streets
- Sections of footpath adjacent to works may be temporarily closed, with local pedestrian diversions in place
- Access to businesses will be maintained at all times
- Signage and traffic controllers will be in place to direct vehicles, cyclists and pedestrians around the work area.

Look ahead for 2021



Program is indicative and subject to change

More information

To find out more about the Metro Tunnel Project:

 metrotunnel.vic.gov.au

 1800 105 105 (24 hours a day, 7 days a week)

Rail Projects Victoria
PO Box 4509, Melbourne, VIC 3001

 Interpreter Service (03) 9209 0147

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

ARDEN BUSINESS MEMBERSHIP



The North Melbourne Football Club are excited to launch the complimentary Arden Membership within the North Network – a new category available only to businesses in North Melbourne and Kensington.

BENEFITS

- Access to webinar series
- Business logo on North website and True North magazine
- 'North Network Arden Business Membership' decal for office window and additional branding for websites
- Dedicated North Network manager at the club
- 25% discount on tickets to North Network events
- 15% discount on corporate hospitality, some exclusions apply*



To join the complimentary Arden Business Membership within the North Network with your business, simply email Darcy Pfitzner with your business name, business contact details and industry.

Darcy Pfitzner

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