

Construction update

North Melbourne

February – March 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 February and March.

Construction snapshot

Work at and around the Arden Station site during February and March involves:

- Realigning Laurens Street
- Station services building construction
- Tunnelling support
- Station construction, including construction of the station box roof, removal of struts, platform and over-track exhaust construction, and preparatory works for construction of the station entrance
- 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 February 2021 until end 2023



From February 2021, Laurens Street will be realigned to support service relocations, and construction of the Arden Station entrance. This involves the narrowing of traffic and cyclist lanes and closures of sections of footpath and on street parking. Please see the enclosed works notification for further information regarding traffic, cyclist and pedestrian changes.

Arden Station entrance construction

Arden Station site

From February 2021 until mid-2022



The first stage of works to prepare for construction of the station entrance located on Laurens Street involves installing piles that will support the station entrance structure. This is expected to commence in February and will involve:

- Using a large piling rig to hammer 38 precast concrete piles into the ground
- Driven piling is expected to generate periods of medium to high level noise and continue for approximately three weeks. All driven piling works will occur during normal construction hours
- Construction of the station entrance structure is expected to commence in April 2021.

Arden Station services building construction

Arden Station site

From February until mid-2021



- Installing steel reinforcement and formwork, including the use of cranes and hand tools, and pouring concrete to construct the building's foundation and walls.

Tunnelling support

Arden Station site

Ongoing until mid-2021



- Tunnelling between Parkville and the Melbourne CBD is ongoing
- 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.

Tunnel internal structure works

Arden Station site

From February 2021



- Works to construct the tunnel invert (floor) will commence in February
- This involves pouring concrete within the tunnel in 100-metre-long sections
- Works will commence at the western tunnel entrance in Kensington and move progressively east.

Cross passage construction

North Melbourne to Melbourne CBD

Ongoing



- The Arden Station site will support cross passage construction at all cross passage sites between Kensington and the Town Hall Station site
- In North Melbourne, cross passage construction involves installing waterproofing membrane and lining the cross passage tunnels using steel reinforcement and concrete
- 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 expected to generate low levels of noise at surface level
- Further information about cross passages can be found at metrotunnel.vic.gov.au.

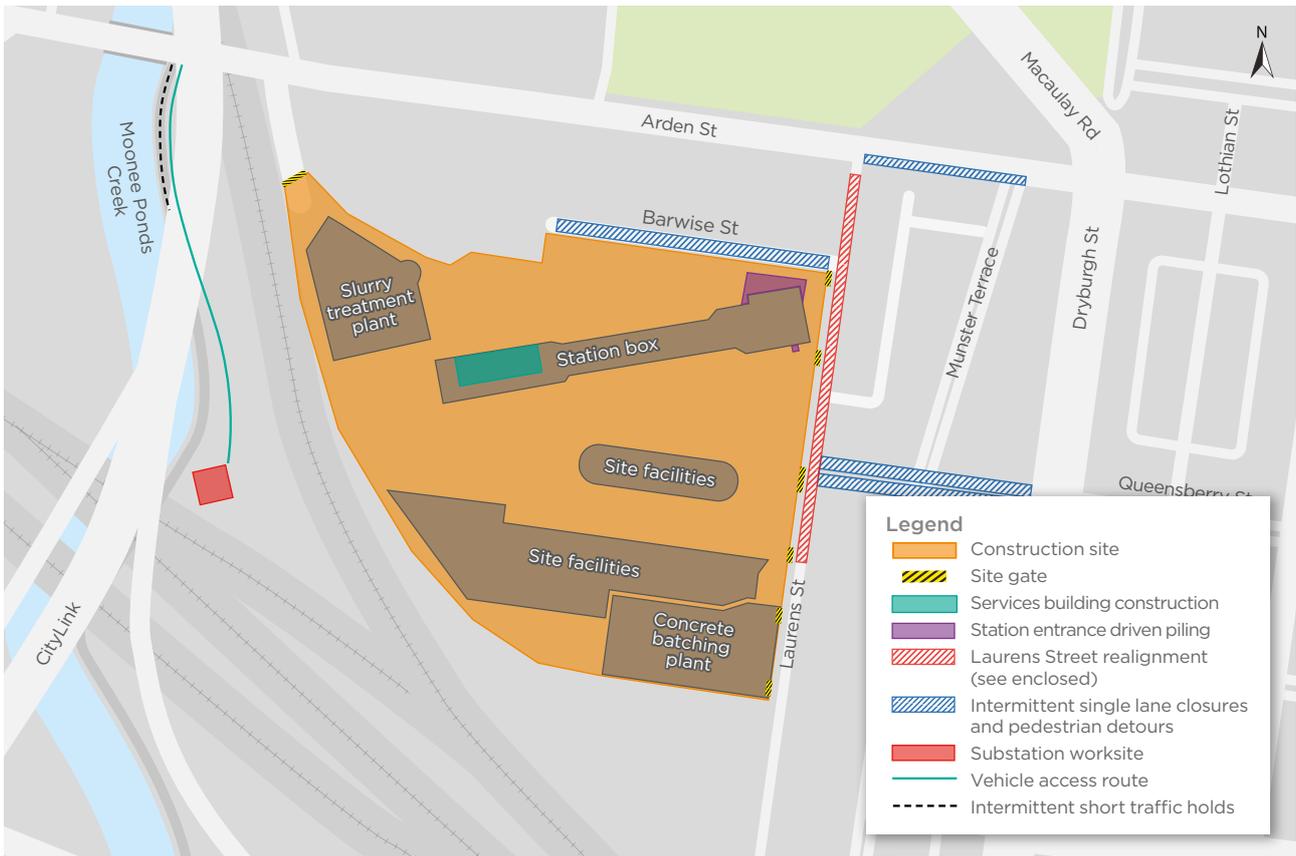
Station box construction

Arden Station site

Ongoing



- Removing steel struts from within the station box using hand tools and cranes
- Constructing the station roof using cranes, concrete trucks and pumps
- At times, these activities may need to be undertaken at night and are expected to generate low to medium levels of noise
- Concrete pouring activities may commence before 7am and extend beyond 6pm, Monday to Saturday. This may include the early arrival of concrete trucks to site and operation of the concrete batching plant
- Oversized deliveries will occur at night, when roads are quieter, and are subject to permit conditions.



Arden Station construction site. Indicative only

Platform and over track exhaust (OTE) construction

Arden Station site Ongoing until April 2021



Construction of the station platforms and OTE (tunnel ventilation) system commenced in January 2021.

- This involves using cranes and hand tools to install precast concrete units within the station box
- Works will be undertaken in two stages, taking approximately three months each. 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 March 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
- Further information about the North Melbourne electrical substation can be found at metrotunnel.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.

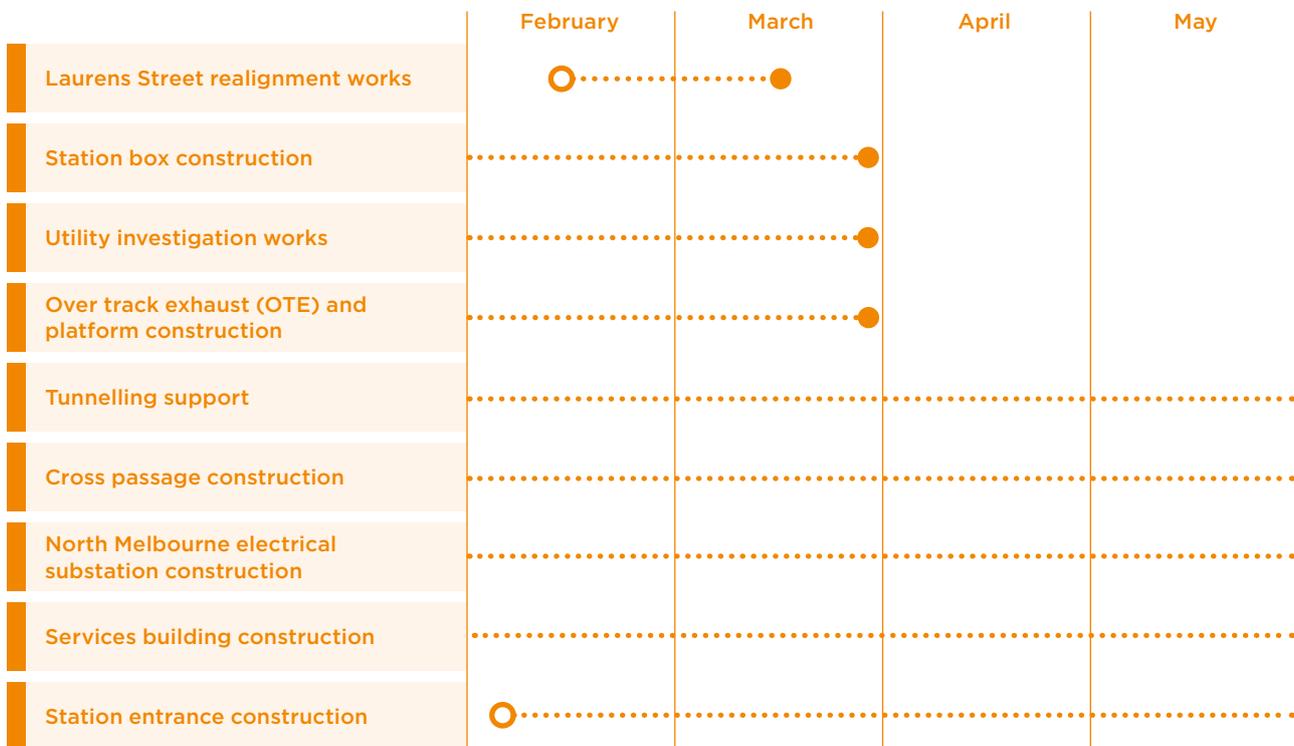
Utility investigation works

- 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.

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