

# Construction update

## North Melbourne

August - September 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 August and September.

### Construction snapshot

Work at and around the Arden Station site during August and September involves:

- Realigning Laurens Street
- Arden Station entrance construction
- Station services building construction
- Completion of tunnelling support activities
- Slurry and water treatment plant demobilisation
- Station construction, including platform, over-track exhaust and plant room construction
- Mechanical, electrical and plumbing (MEP) service installation
- Cross passage construction
- Rail tunnel fitout installation
- North Melbourne electrical substation and cable route construction
- Utility investigations on Arden, Laurens, Barwise and Queensberry streets
- 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.

# Works in your area

## Laurens Street realignment

### Laurens Street

*From August until end 2023*



Laurens Street will be realigned to support service relocations and construction of the Arden Station entrance. Major works for this realignment will be completed in August. 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 late 2022*



Works to occur in August and September 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
- Erecting steel falsework to support the installation of the station entrance arches
- Installing concrete and brick arch segments to form the station entrance structure.

## Arden Station services building construction

### Arden Station site

*Ongoing until September*



- Installing the services building roof
- Installing the final brick lined, pre-cast panels to construct the building facade
- Removal of sections of the station box diaphragm walls (D-walls) to prepare for the high voltage connection to the substation.

## Tunnelling support

### Arden Station site

*Ongoing until late 2021*



- TBM Joan and TBM Meg have now completed tunnelling
- The project team will continue to undertake survey and monitoring activities at ground level along the tunnel alignment.

## TBM retrieval and disassembly, slurry treatment plant and water treatment plant demobilisation

### Arden Station site

*Ongoing until late 2021*



With tunnelling complete:

- TBM Joan and TBM Meg have been retrieved and disassembled
- Works to decommission, disassemble and demobilise the slurry treatment plant (STP) and water treatment plant (WTP) are ongoing
- The STP and WTP will be disassembled at surface level using cranes, small plant and hand tools. STP and WTP components will then be transported off site.

## Tunnel internal structure works

### Arden Station site

*Ongoing until late 2022*



Works to occur in August and September will include:

- Works to construct the tunnel invert (floor) between Arden Station and Parkville Station are ongoing
- This involves pouring concrete within the tunnels in sections.

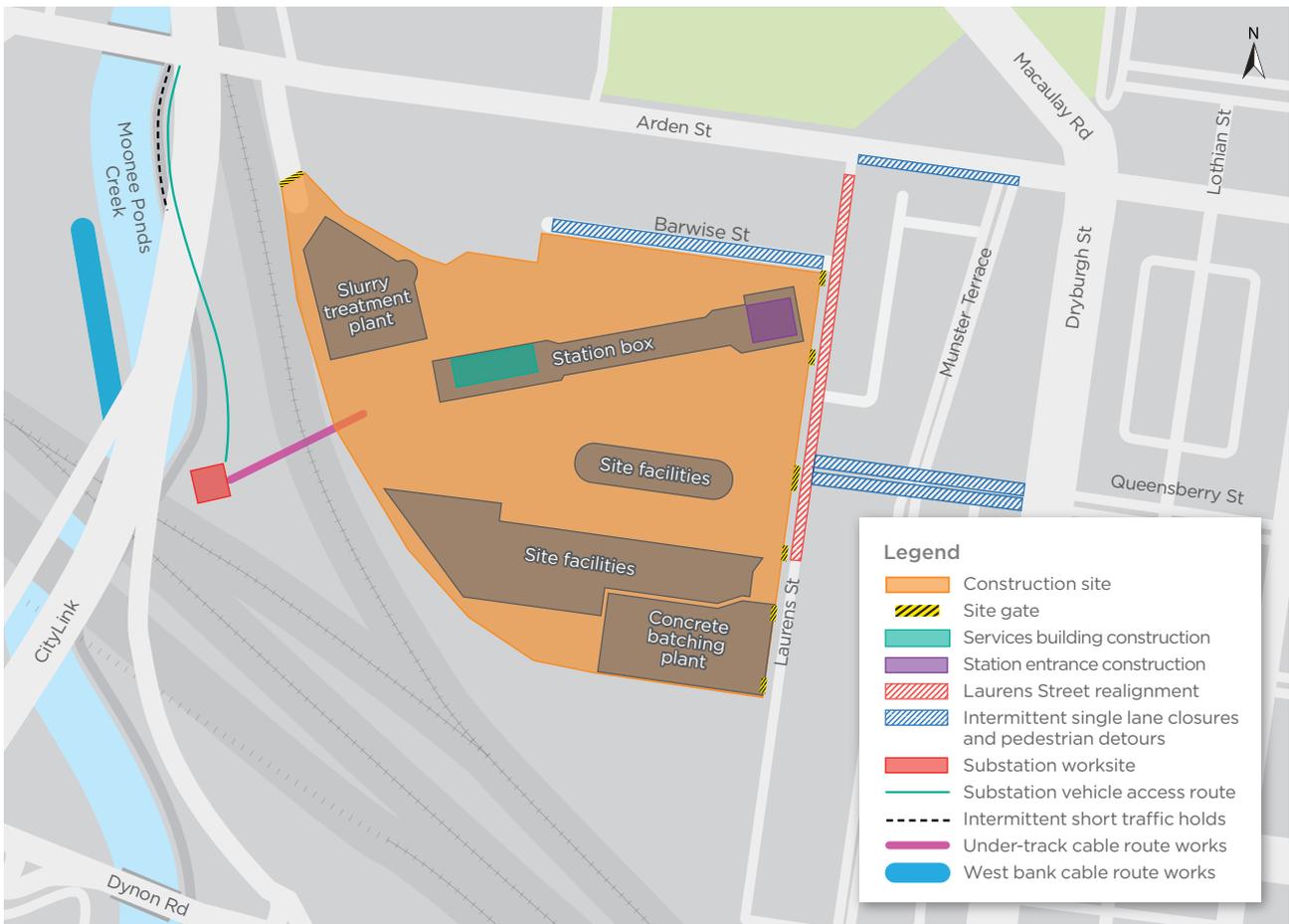
## Cross passage construction support

### 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 [metro.tunnel.vic.gov.au](http://metro.tunnel.vic.gov.au).



Indicative only

### Rail tunnel fitout installation

#### Arden Station site

Ongoing



- Installation of brackets, cabling, cable trays and plumbing in the eastbound and westbound tunnels between Western Portal and Parkville
- Construction of the maintenance walkway
- Material will be delivered to site and lowered by crane into station box
- Some oversized installation gantries will be required to be delivered to site overnight due to their size.

### 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 was completed in April 2021 and the second stage of works will be completed in September.

### Mechanical, electrical and plumbing (MEP) installation

#### Arden Station site

Ongoing until early 2022



Mechanical, electrical and plumbing services will be installed to support the future operation of the tunnel. Works to occur in August and September will include:

- Sprinkler and hydrant bracket and pipework installation
- Gaseous suppression system pipework installation
- Mechanical pipework and ductwork installation
- Electrical cable tray and cable installation
- Installation of the first lift
- Installation of the first bank of escalators
- These activities will involve the use of cranes for the loading of materials and various plant located within the station box
- Works will be undertaken progressively throughout the coming year.

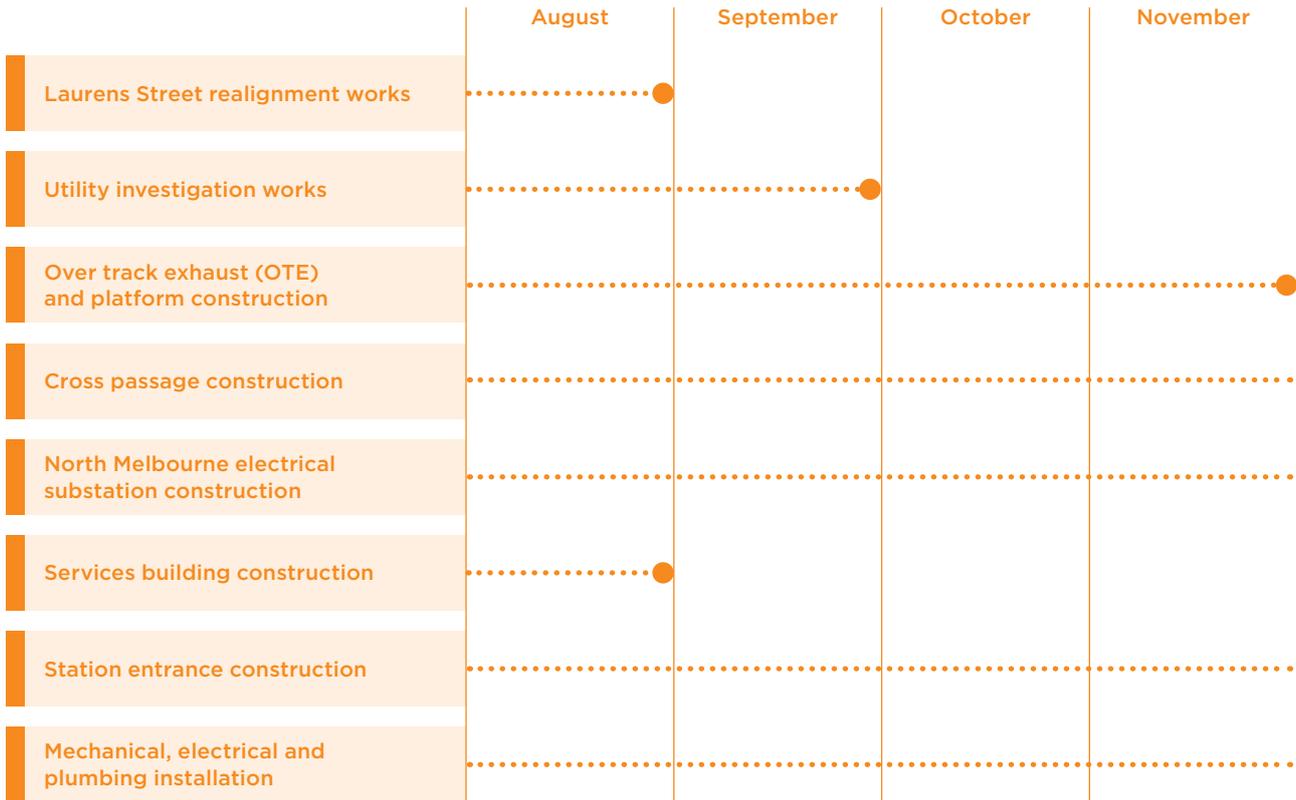
### Utility investigation works

#### Arden, Laursen, Barwise and Queensberry streets, North Melbourne

Ongoing until late 2021



# Look ahead for 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 late 2021



- Service investigations using non-destructive digging (NDD) trucks to locate underground services will be required intermittently as construction progresses. Site investigations and monitoring activities including survey and soil sampling are ongoing
- Constructing the substation structure, including installation of roofing and cladding, and internal fit out works
- Installation and fit out of electrical systems and switch rooms

- Construction of the cable route between the new substation and the existing West Melbourne Terminal Station, involving works on the western bank of Moonee Ponds Creek to install underground conduits for the two high-voltage power supplies. More information about these works can be found at [metrotunnel.vic.gov.au](http://metrotunnel.vic.gov.au)
- Constructing the cable route between the new substation and the Arden Station site involves installing conduits beneath the Upfield rail line using a methodology called pipe jacking. These works will occur from within the substation worksite and adjacent Metro Trains land, and will not impact train services
- Installation of a fire water service beneath the existing access track involving use of NDD trucks and an excavator. This may involve a minor detour for cyclists travelling between Arden Street and the Moonee Ponds Creek Trail at night. Further notification will be provided if this detour is required
- 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 [metrotunnel.vic.gov.au](http://metrotunnel.vic.gov.au).

### Traffic and transport impacts

- Up to 150 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.

### Laurens Street realignments

- The realignment of Laurens Street will require a full road closure between Arden Street and Queensberry Street
- There will be a detour in place via Dryburgh and Queensberry Streets.

### 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.

### 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://coronavirus.vic.gov.au).

### Business support

While the new **Arden Station** will be a significant boost for the local area, construction activities can impact local businesses. In response to this, our Business Support Team assists businesses through the disruption and any permanent changes that will take place.

Please see the offer in this notification from **Kensington Canteen** located at **100 Bakehouse Road, Kensington**.

We look forward to promoting more local businesses as the project progresses.

### More information

To find out more about the Metro Tunnel Project:

 [metrotunnel.vic.gov.au](https://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](https://railprojects.vic.gov.au) for the latest updates.

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•  
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•  
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*\*in-store deal only*



*We are committed to continue delivering old-school customer service and rustic, delicious meals, during these uncertain times. From a simple cheese toastie, roast pork sandwiches and fresh salads, to a steaming bowl of soup, the menu is made with market-fresh produce on the day, with plenty of love. We also do catering if you have a team to feed!"*

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(Last coffee at 2:15pm)

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100 Bakehouse Road, Kensington | Contact: 0481125803  
www.kensingtoncanteen.com | Catering inquiries: theflavourstar@gmail.com

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