

Monthly construction update

Kensington

December 2020 - January 2021

Major construction is continuing in Kensington at the site of the future western Metro Tunnel entrance. This update provides an outline of current and upcoming works in your area throughout December and January.

Construction snapshot

In December and January, works within the Kensington precinct will include:

- Egress building construction
- Tunnel entrance construction
- Tunnel entrance ground improvement works
- Signalling and communication equipment room (SER/CER) construction
- Compensatory flood storage soil nail wall construction
- Cross passage construction
- Rail corridor maintenance works
- Ongoing survey and monitoring activities.

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.



Out of hours

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



24 hours

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

We're taking a break

The Metro Tunnel Project will take a break from construction from **Wednesday 23 December 2020**. Works will recommence on **Monday 11 January 2021**.

During the closure, the site will be secured with regular security patrols, and members of the project team will be on call to respond to any issues that arise. If you have any queries, please phone the Metro Tunnel Project Information Line on **1800 105 105**.

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.

Works in your area

Tunnel entrance construction

Childers Street

24-hours from 7am Monday to 7pm Saturday
Ongoing to early 2021



- Upcoming works include constructing the drainage system and internal walls underneath the tunnel entrance roof slab
- Using an excavator and crane to remove and lift materials and concrete panels into the tunnel entrance, installing drainage pipes and pits, installing waterproofing material, installing fencing, placing steel reinforcement and timber formwork, and pouring concrete
- Dewatering pumps will be required to remove and recharge water at times when there are no works occurring
- Seven small concrete pours are planned for the tunnel entrance in December
- Where possible we will look to undertake these pours on day shift, however due to the critical nature of these works, some may be required to take place out of hours
- The concrete pours are expected to take between one and four hours to complete, and will require between one and five concrete trucks per hour. The largest concrete pour will require a total of seven trucks
- Upcoming concrete pours are located within the decline structure and under the roof slab and will require a pump located within the decline structure. The tunnel entrance walls and roof will provide a form of noise attenuation for these activities
- The turnaround area adjacent to South Kensington station will not be used after 6pm for tunnel entrance construction
- There will be periods of concrete breakback using a jackhammer and saw cutter (7am to 6pm only)
- Tunnel entrance construction works are expected to generate low levels of noise after 6pm
- Lighting towers will be minimised through the use of wired lighting and green powered generators. Generators will be surrounded by noise blankets to reduce noise emissions.

Tunnel entrance ground improvement works

Childers Street

24-hours from 7am Monday to 7pm Saturday
Ongoing to 23 December 2020



- Jet grouting works are required within the tunnel entrance to improve ground conditions. This involves:
- Using a drill rig to drill holes underground
 - Pumping grout from a batching plant within the worksite into the drilled holes
 - Pumping out the excavated material and removing it from site
 - Trucks entering and exiting the tunnel entrance site to remove excavated material and deliver grout and other materials to site

- Tunnel entrance ground improvement works are expected to generate medium levels of noise during normal construction hours, and low levels of noise after 6pm.

Signalling and communication equipment room (SER/CER) works

Hobsons Road and Childers Street

Ongoing to mid-2021



- Constructing concrete pits and installing steel service pipes at the Childers Street and Hobsons Road work sites
- Constructing a small retaining wall along the rail corridor embankment on Childers Street
- Installing the steel platform for the SER/CER buildings
- Site investigations, involving the use of an excavator and non-destructive digging (NDD) truck to locate concrete foundations from the previously removed HV tower located on the corner of Hobsons Road and Kensington Road. Site investigations are expected to take up to two weeks
- Following site investigations, some concrete removal may be required. Additional information will be provided to nearby residents if these works are required
- Commencing in January 2021, two underground boreholes will be installed. The boreholes will travel from the SER/CER building, underneath Kensington Road and towards the tunnel entrance on Childers Street
- Borehole drilling works will involve the use of an excavator, NDD truck, and a borehole drilling machine. Each bore is expected to take two to three weeks to complete. The drilling machine will be located adjacent to the SER/CER building
- These works are expected to generate medium levels of noise. There may be periods of high level noise to nearby residents from use of the NDD truck, breaking back concrete and if unexpected ground conditions are encountered during drilling works
- These works are not expected to generate noticeable levels of vibration.

Compensatory flood storage soil nail wall construction

Hobsons Road site

7am to 12am (midnight), Monday to Friday
7am to 6pm on Saturdays
Ongoing to 23 December 2020



- These works will involve excavating along the rail corridor embankment between Hobsons Road and the Maribyrnong River (7am to 6pm only)
- Using soil nail machines to drill and install steel bars into the embankment (7am to 6pm only)
- Grouting steel bars into place with hand tools

- Placing steel using hand tools and forklifts
- Spraying concrete onto the embankment surface (7am to 6pm only)
- Excavation, soil nailing and concreting works will generate periods of medium to high levels of noise. Grouting, steel fixing and power tools will generate low levels of noise from 6pm to midnight.

Egress building construction

Childers Street

Ongoing until mid-2021



- Installing waterproofing membrane, formwork and reinforcement using a crane and hand tools
- Pouring concrete to create the above-ground walls of the structure. Major concrete pours may take up to 12 hours to complete. Further advice will be provided to nearby residents in advance of each extended pour
- Removing formwork using a crane and power tools
- Breaking through the western wall of the egress building (below ground) to connect the tunnels to the tunnel entrance, using saw cutters and jackhammers
- Some oversized deliveries may occur at night, subject to permit conditions
- Utility investigation works will be undertaken in Childers Street, between Ormond and Tennyson streets, and Tennyson Street, between Childers and Altona streets to assist with planning for the egress building's future utility connections. This involves scanning, cutting through the road and footpath surface, using NDD trucks to locate underground surfaces and then reinstating the road and footpath surface. These works may include intermittent impacts to traffic, footpaths and on-street parking adjacent to the work area. See the 'traffic and transport impacts' section for further information.

Cross passage construction

From the Arden Station site to Kensington

Ongoing until mid-2021



- 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 not expected to be audible at surface level
- Further information about cross passages can be found at [metrotunnel.vic.gov.au](https://www.metrotunnel.vic.gov.au).

Rail corridor maintenance works

Within the rail corridor, between South Kensington station and Maribyrnong River

12am to 4am, Mondays and Thursdays
Ongoing to late-2020



- While tunnel entrance construction activities occur, occasional overnight track maintenance works may be required within the rail corridor to ensure trains can continue to operate safely on the network. This activity has been revised to continue to late 2020 while work takes place adjacent to the rail corridor
- Works will involve inspecting equipment and readjusting sleepers, crushed rock and tracks with hand tools and if required a small excavator
- Works may be required for up to four nights per month, however it is unlikely that all Monday and Thursday shifts will be required
- Maintenance works may generate low to medium levels of noise.

Traffic and transport impacts

Egress building utility investigation works

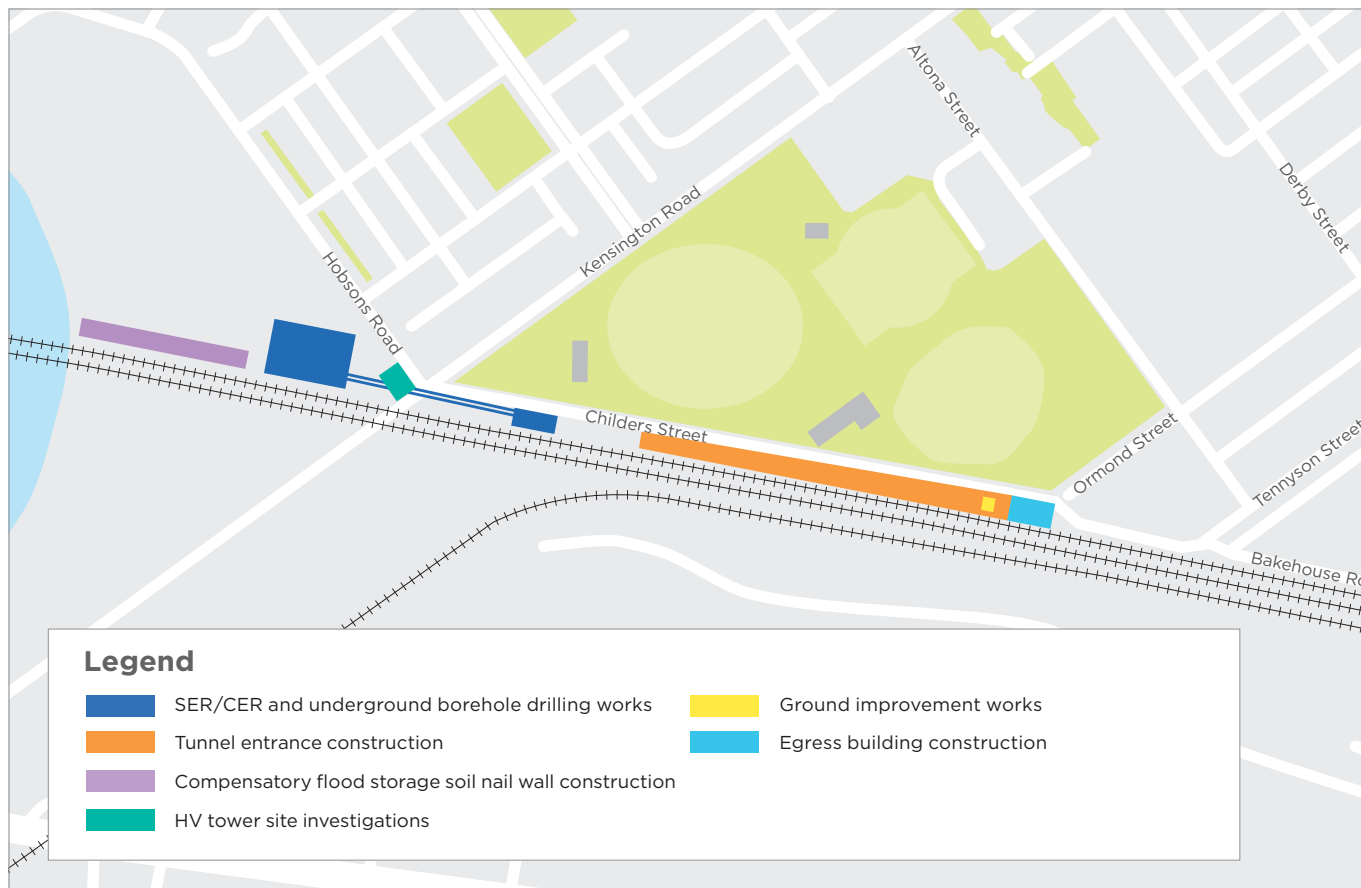
- Utility investigations will involve the short-term intermittent closure of Childers and Tennyson streets down to one lane in the areas shown on the map. Traffic will be maintained in both directions via a shuttle flow arrangement
- Some on-street parking spaces on Childers Street may be temporarily impacted
- Sections of footpath adjacent to the works area may be temporarily closed, with local pedestrian diversions in place
- Signage and traffic controllers will be in place to direct vehicles, cyclists and pedestrians around the work area
- Over-height vehicle access to the Lloyd Street Business Estate (LSBE) will be maintained at all times.

Childers Street closure extension

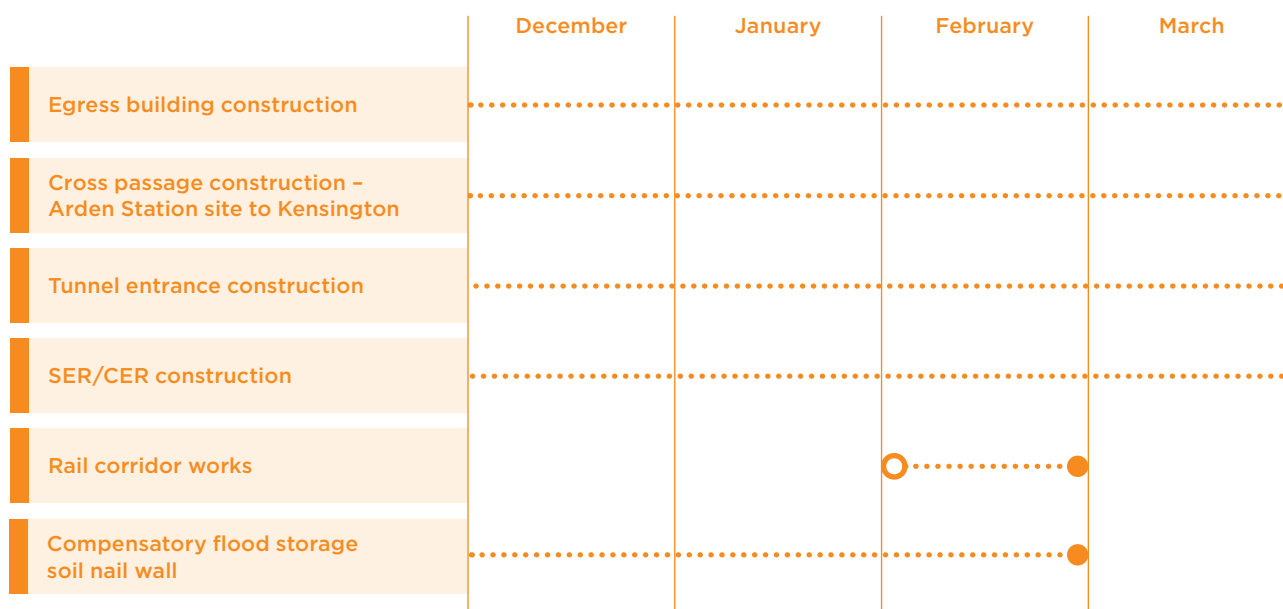
- The closure of Childers Street to public traffic and use of the Derby and Tennyson Street detour for over-height vehicles accessing the LSBE has been extended until mid-September 2021
- Over-height vehicles accessing the LSBE and Childers and Tennyson street residents (south of the truncation) are required to detour via Kensington Road, Derby Street and Tennyson Street
- Please visit [metrotunnel.vic.gov.au](https://www.metrotunnel.vic.gov.au) for further information.

Hobsons Road car park closure

- A partial closure of the Hobsons Road car park is in place to safely undertake SER/CER construction
- Up to 25 car parking spaces will remain open for public use in December and January.



Look ahead for 2020/2021



More information

To find out more about the Metro Tunnel Project:

[metrotunnel.vic.gov.au](https://www.metrotunnel.vic.gov.au)

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

Rail Projects Victoria

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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.