



MONTHLY CONSTRUCTION UPDATE

KENSINGTON JUNE 2020

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

Construction snapshot

Diaphragm wall (D-wall) construction is nearing completion in Kensington. Once complete, work will commence to remove D-wall equipment and the bentonite plant.

Excavation and ground slab works are continuing to progress further into the western tunnel entrance.

In June, works within the Kensington precinct will include:

- Sump piling works
- Rail corridor works
- Tunnel entrance excavation and base slab construction
- D-wall construction
- Bentonite demobilisation activities
- Capping beam works
- Permanent propping installation
- Egress building construction (underground structure)
- Cross passage construction
- Lloyd Street reinstatement 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 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.

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

WORKS IN YOUR AREA

Sump Piling

Childers Street

7am to 6pm, Monday to Friday
7am to 6pm, Saturdays
10 June to August 2020



- Piling works will commence in June to construct a sump box adjacent to the Egress shaft. The sump is located beneath the tunnel entrance ground slab and collects runoff water from the tunnel entrance
- Works will involve a piling rig drilling a foundation so a steel cage can be lifted into place. Once the steel cage is set into place, concrete will be poured into the foundation to form a pile
- These activities are expected to generate periods of medium to high level noise while the piling rig is drilling
- Drilling works in this area may encounter pre-existing concrete from removed high-voltage towers. If encountered, removal of concrete remnants will generate high levels of noise
- Works to complete concrete pours associated with piling works may continue until 7pm Monday to Friday, and 6pm on Saturdays. This is required to prevent the pile excavations from being left unfilled for extended periods of time.

Rail corridor works

Between South Kensington station and Footscray

Friday 26 June to Monday 6 July 2020



- Works will involve installing new communications and signaling cable casings underneath South Kensington station platforms and across the Maribyrnong River bridge, undertaking site investigations with a non-destructive digging (NDD) truck, construction of temporary working platforms along the rail corridor and concreting works along the existing rail corridor embankment
- These works involve the use of excavators, NDD trucks, and dump trucks which have specialised rail wheels to travel along the rail corridor
- Works along the rail corridor embankment will involve spraying concrete through a high-pressure hose
- These works are expected to generate medium levels of noise while installing cable casings, site investigation, earthworks and concreting works
- Some of these activities will occur overnight while trains aren't running. Additional information will be provided to residents in mid-June on overnight works.

Diaphragm-wall construction and demobilisation

Childers Street and Hobsons Road

7am to 6pm, Monday to Friday
7am to 3:30pm, Saturdays
Ongoing to 30 June 2020



- D-wall construction will be completed by mid-June. Following this, work will commence to remove all D-wall machinery from the Childers Street worksite

- This involves removing three cranes, bentonite pipes, pumps and generators from the worksite
- More information on D-wall works can be found at metrotunnel.vic.gov.au.

Capping beams, propping, tunnel entrance excavation and base slab construction

Childers Street

Ongoing to late 2020



- Once the final D-walls are complete in June, works will continue to break back (level off) D-walls and remove guide walls using a jackhammer, saw cutter and excavator
- Construction of the tunnel entrance involves installing 21 supporting props which provide horizontal support to the two tunnel entrance walls. Props are constructed by placing steel and pouring concrete into timber moulds
- Excavation will continue throughout 2020, involving use of excavators to remove material and construct new access ramps
- Constructing the base slab involves installing drainage pipes and pits, installing waterproofing material, placing steel and pouring concrete
- These works will involve approximately 6 trucks per hour along Childers Street, Hobsons Road and Kensington Road
- Concrete pours for the tunnel entrance base slab will commence at 6am due to the size of the concrete pour. It is expected that there will be up to two concrete pours a month and will require 4 to 5 concrete trucks an hour
- Break back works are expected to generate periods of high-level noise.

Bentonite plant demobilisation

Hobsons Road and Kensington Road
Mid-June to July 2020



- Once D-wall works are complete, the bentonite plant located at the Hobsons Road site will be decommissioned and removed
- This involves cleaning and removing bentonite silos, shipping containers, a mixing plant, generators, pipes, pumps and site offices
- Some activities will require intermittent closures of up to 30 car parking spaces in the Hobsons Road car park to ensure that equipment can be lifted by cranes safely
- Some oversized equipment may be transported overnight in late-June. Additional notification will be provided if overnight equipment transport is required
- Existing traffic lights will be replaced with temporary traffic lights on Kensington Road, Hobsons Road and Childers Street to facilitate the removal of the bentonite gantry
- In early July, work will commence to remove the gantry across Kensington Road which will require a closure of Kensington Road. Further information on these works and impacts to traffic will be provided in mid-June.

Egress building construction

Childers Street

Ongoing



- Using a wall saw to trim the concrete around the entrance to the tunnel
- Installing waterproofing membrane to line the underground internal walls
- Installing steel molds (formwork) and reinforcement using a crane and hand tools
- Pouring concrete to create the internal walls of the underground structure. Concrete pouring activities may occasionally continue beyond 6pm, Monday to Friday, and 1pm, Saturdays
- Some oversized deliveries may occur at night, subject to permit conditions
- Above ground works to construct the building are expected to commence in late 2020. Further information will be provided before works occur.

Cross passage construction

From the Arden Station site to Kensington

Ongoing until early 2021



- Installing work platforms and steel bracing frames inside the completed section of tunnels
- Geotechnical probe drilling in cross passage locations. This involves drilling through the tunnel wall and collecting samples to confirm ground conditions
- Cutting through the tunnel walls using a wall saw
- Using a small excavator to mine between the tunnels, and spraying concrete (shotcrete) to support the ground
- 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
- These works are not expected to be audible at surface level
- Further information about cross passages can be found at metrotunnel.vic.gov.au.

Lloyd Street reinstatement works

Lloyd Street

Ongoing until late June 2020



- Reinstating asphalt, line marking and signage
- Access to and from the Lloyd Street Business Estate will be maintained at all times
- Intermittent overnight closures of Lloyd Street will be required. Further notification will be provided once closure dates are confirmed
- Sections of Lloyd and Radcliffe Street will be intermittently reduced to one lane during the day. Traffic flow will be maintained in both directions using a shuttle flow arrangement.

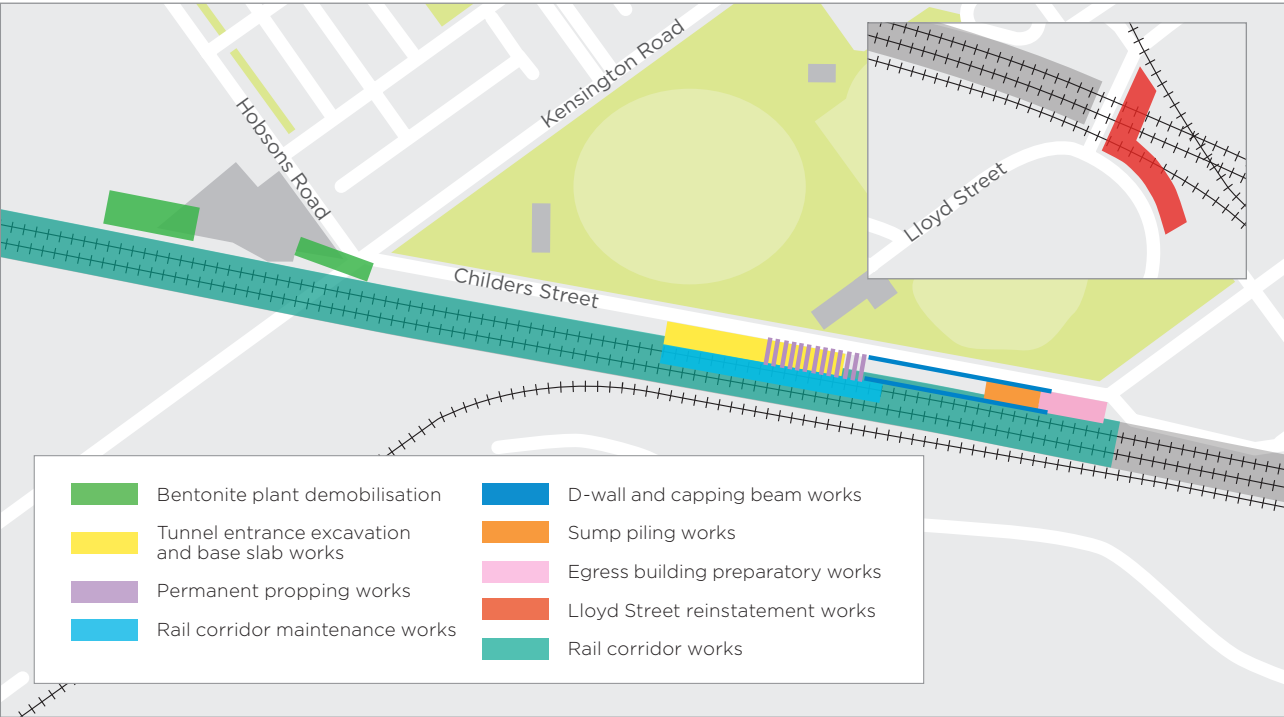
Rail corridor maintenance works

Childers Street

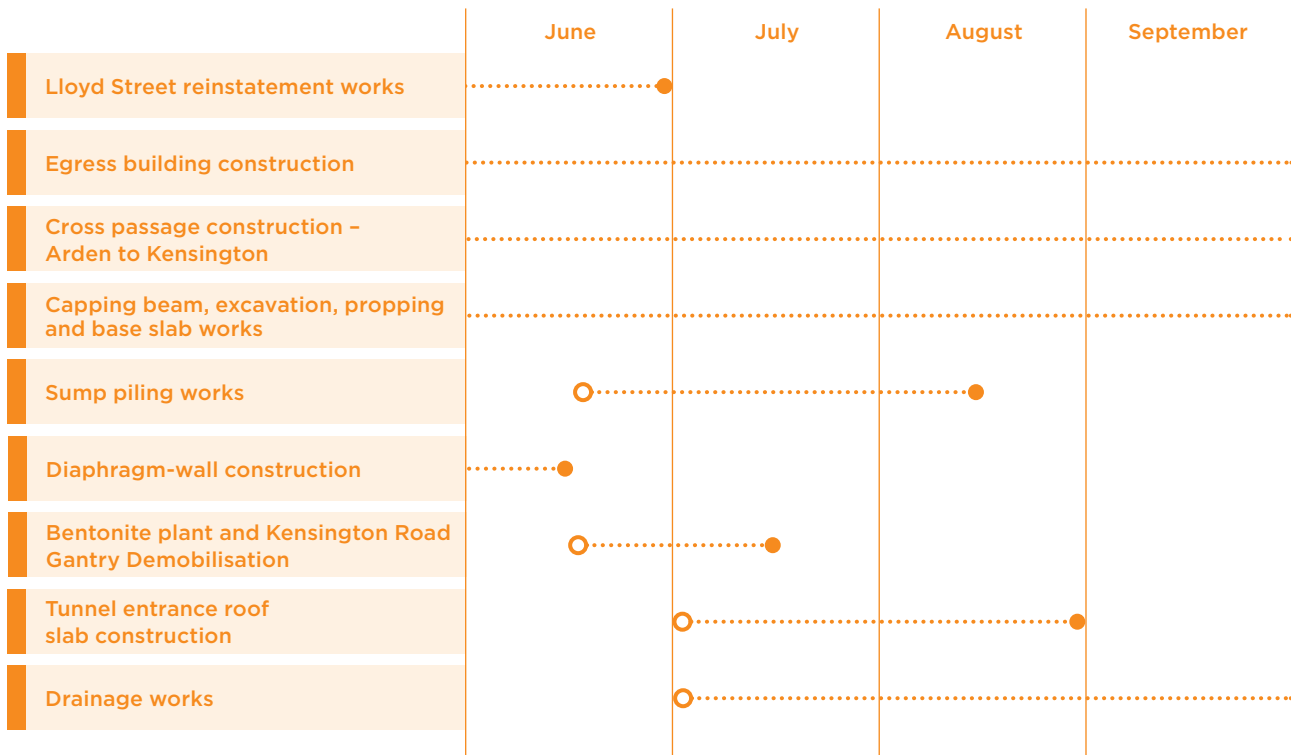
12am to 4am, Mondays and Thursdays,
ongoing to late 2020



- While excavation activities occur, occasional overnight works may be required within the rail corridor to undertake track maintenance works to ensure trains can continue to operate safely on the network. This activity has been revised to continue to late 2020 while excavation takes place adjacent to the rail corridor
- Works will involve 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.



LOOK AHEAD FOR 2020



Subject to change

Traffic and transport impacts

Childers Street

- Childers Street is currently closed to all traffic
- Over-height vehicles accessing the Lloyd Street Business Estate and Childers Street residents are required to detour via Kensington Road, Derby Street and Tennyson Street during this time
- Traffic controllers are in place on Kensington Road and Childers Street to assist trucks reversing into site
- Traffic management will be in place during construction activities.

Kensington Road

- In early July, overnight closures of Kensington Road, Hobsons Road and Childers Street will be required to remove the bentonite gantry across Kensington Road
- Further information will be provided in mid-June on these works and traffic impacts for vehicles, pedestrians and cyclists
- Temporary lane closures will be required to replace existing traffic lights with temporary lights prior to the removal of the bentonite gantry.

Travel changes

Buses replace trains on the Sunbury Line

- From 12.45am Saturday 27 June to last train Sunday 5 July between Flagstaff, North Melbourne and Sunbury.

Please allow extra time to complete your journey.

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.