

Monthly construction update

Kensington

September 2020

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 September.

Construction snapshot

In September, works within the Kensington precinct will include:

- Egress building construction (underground structure)
- Cross passage construction
- Capping beam works
- Permanent propping construction
- Tunnel entrance excavation and roof slab construction
- Rail corridor works
- Signalling and communication equipment room (SER/CER) piling
- Drainage works
- Dewatering well installation
- 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.



24 hours

24 hour works are sometimes required during peak construction activities.

Changes to normal construction hours

Due to COVID-19 we are ensuring social distancing on site. The project will now be running two pre-start meetings with our workforce.

Pre-starts will run between 6am and 7am.
Additional movements on site may be noticed.

Works in your area

Egress building construction

Childers Street

Ongoing



- Installing waterproofing membrane, formwork and reinforcement using a crane and hand tools
- Pouring concrete to create the internal walls and roof slab for the underground structure. Major concrete pours are expected to take up to 12 hours to complete (see below)
- 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 these works commence.

Egress building construction

Childers Street

7am to 10pm, Monday to Saturday

(intermittent)

Ongoing until October 2020



- In addition to the three internal lining wall concrete pours completed to date, a further five large concrete pours are required to construct the internal walls and roof slab of the underground structure. Each pour must be continuous to guarantee structural integrity
- Each pour is expected to take up to 12 hours to complete
- Each pour will involve approximately two concrete trucks per hour travelling to and from site via Childers Street
- A concrete pump will be delivered to site the evening before or morning of each pour
- Further advice will be provided to nearby residents prior to the confirmed date for each pour.

Capping beams, propping, tunnel entrance excavation, roof slab and ground slab construction

Childers Street

7am to 10pm, Monday to Saturday

Ongoing to late September 2020



- Work will continue to construct the western tunnel entrance. This involves constructing the remaining capping beams, supporting props, tunnel entrance roof and ground slabs, and some excavation
- Capping beam and propping construction will involve breaking back excess concrete (during day shift only), using a small crane to move materials, placing steel reinforcement and timber formwork, and pouring concrete

- Supporting props will involve placing steel reinforcement and timber formwork, and pouring concrete
- Tunnel entrance excavation will continue, with use of excavators and trucks to remove material
- Excavation works will involve approximately six trucks per hour travelling along Childers Street, Hobsons Road and south along Kensington Road
- The turnaround area adjacent to South Kensington station will not be used between 6pm and 10pm for these works
- Constructing the roof slab will involve placing steel reinforcement and timber formwork, installing waterproofing material and pouring concrete
- Constructing the tunnel entrance ground slab will involve using a small crane to lift materials into the tunnel entrance, installing waterproofing material, placing steel reinforcement and timber formwork, and pouring concrete
- Up to three large concrete pours are expected to occur for the tunnel entrance this month. The concrete pours will commence at 6am due to the size of the pour, and will require four to five concrete trucks per hour
- One large concrete pour is expected to take up to 15 hours to complete. This concrete pour is scheduled for Wednesday 9 September. Further advice will be provided to nearby residents prior to the confirmed date
- Excavation, propping and concreting works are expected to generate low to medium levels of noise
- The use of lighting towers will be minimised using wired lighting, which requires one generator. The generator will be covered by noise blankets to reduce noise emissions.

Rail corridor works

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

9pm to 4am, Sunday 6 to Thursday 10 September

10pm, Thursday 10 September to

4am, Friday 11 September

10pm to 4am, Tuesday 15 to

Friday 18 September 2020

6pm, Friday 11 to 4am, Monday 14 September



- Throughout September, works will be undertaken along the rail corridor
- These involve delivering materials, overhead wiring works, placing steel reinforcement, tunnel entrance preparation works, signalling and track maintenance works
- These works will generate periods of low to medium levels of noise to nearby properties
- For further information on these works please visit metrotunnel.com.au/Kensington.

Signalling and communication equipment room (SER/CER) preparatory works

Hobsons Road

Mid-September until October 2020



- A partial closure of the Hobsons Road car park will be required to undertake preparatory works in the area during September and October. 25 car spaces will remain open for public use
- Preparatory works will include moving existing equipment and materials and deliveries of machinery
- A delivery of an oversized machine is expected in late-September. To minimise traffic disruptions, oversized deliveries are required to take place at night along major arterial roads
- Traffic controllers will assist the truck movements with a short hold of traffic while the truck reverses into the site
- These works are expected to generate medium levels of noise
- Major construction of the SER/CER is subject to development plan approval.

Drainage works

Childers Street

1 September until 2021



- Drainage pipes and pits will be installed along Childers Street, with works to commence in September and be undertaken in small stages until 2021
- Work in September will involve using an excavator to dig a shallow trench, installing steel, timber formwork and concrete pipes, and concreting works
- These works will generate low to medium levels of noise
- There may be short periods of low-level vibration, while a handheld vibratory machine compacts crushed rock.

Groundwater well installation and monitoring works

Childers Street

24-hours, Monday 21 to Friday 25 September



- Groundwater wells will be installed over two nights in mid-September, using a drilling rig
- A pump test will follow these works. This involves pumping water into the wells for a continuous 48-hour period
- Drilling works are expected to generate low levels of noise. Noise blankets will be placed around the drilling machine to mitigate noise
- During the pump test, a generator and lighting towers will be required overnight.

Site investigations

Within the rail corridor, between North Melbourne station and Lloyd Street bridge

7am to 7pm, Saturday 5 and Sunday

6 September 2020



- Site investigations will be conducted within the rail corridor. This involves using a non-destructive digging (NDD) truck and small drilling rig to collect samples to confirm ground conditions within the rail corridor
- These works will generate medium levels of noise to nearby businesses
- Traffic controllers will be in place to assist with machinery movements from Lloyd Street into the rail corridor.

Cross passage construction

From the Arden Station site to Kensington

Ongoing until early 2021



- 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 and 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 October 2020



- Reinstating signage, asphalt and line marking
- Access to and from the Lloyd Street Business Estate will be maintained at all times
- Intermittent overnight closures of Lloyd Street may be required. Further notification will be provided once closure dates are confirmed.



Traffic and transport impacts

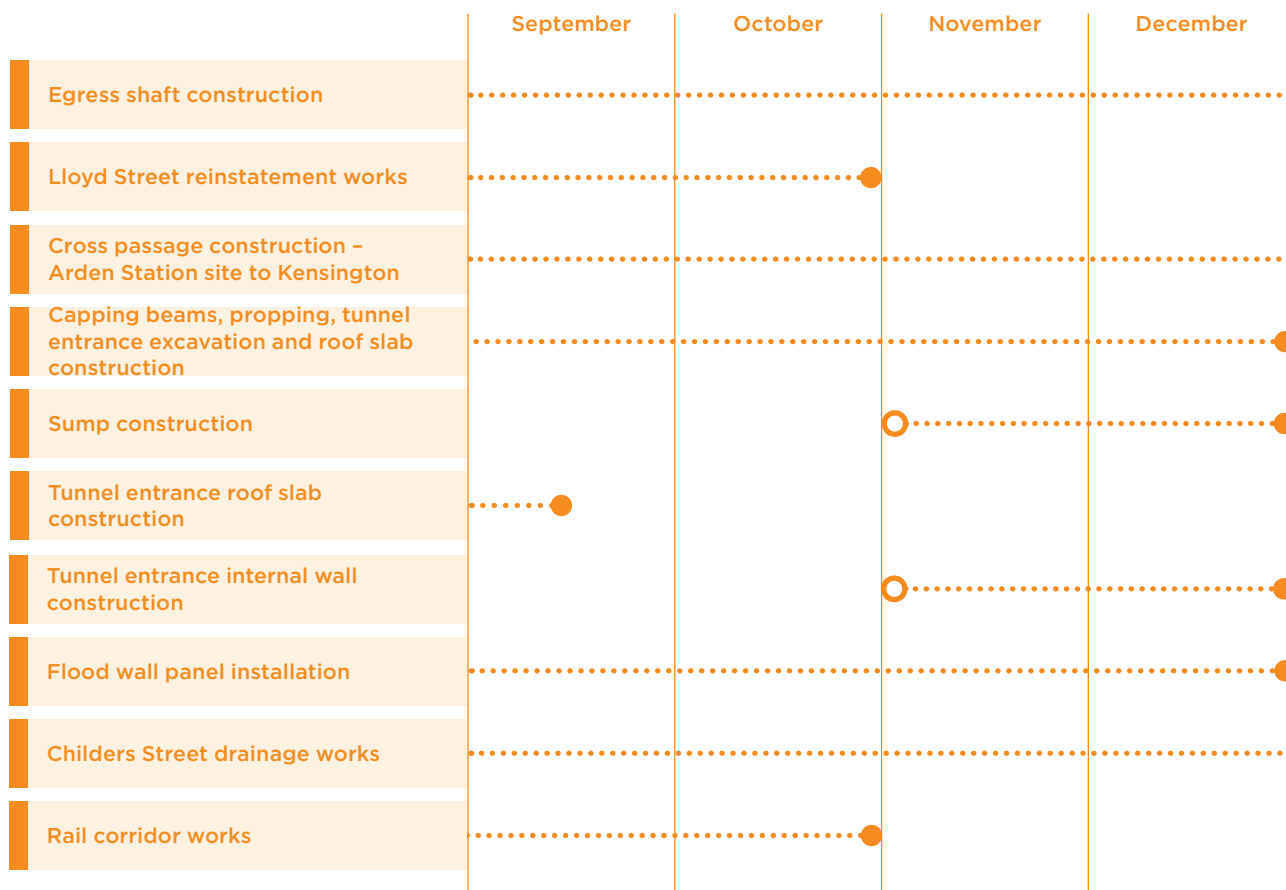
Derby Street and Tennyson Street temporary construction access

- To undertake the concreting and steel works for the tunnel entrance safely, a concrete pump and crane will be positioned on Childers Street which will at times prevent construction vehicles accessing parts of the worksite. During these works, up to 10 construction vehicles per day will be detoured to access the worksite via Derby and Tennyson streets during normal hours. This is expected to be required for up to 14 days.
- These temporary access arrangements will now be in place until late-September 2020 due to some changes in the timing of concreting activities
- Additional traffic controllers will be placed on Derby and Tennyson streets to ensure safe vehicle movements.

Hobsons Road car park closure

- From mid-September, a partial closure of the Hobsons Road car park will be required to prepare for future works in the area
- 25 car parking spaces will remain open for public use in September and October.

Look ahead for 2020



Health and safety

The Metro Tunnel Project is a critical state infrastructure project under Stage 4 restrictions, allowing work to continue with strict health and safety measures in place.

The health and safety of our workers and the community is our key priority and we have measures in place to protect the safety of our construction workforce, including temperature screening, additional protective equipment including masks, daily health screening of workers, enhanced cleaning, staggered shifts and break times, and physical distancing.

Our workforce numbers across Victoria's Big Build have already been significantly reduced to support directions from the Chief Health Officer, and we are continuing to manage the number of staff and visitors attending our worksites.

For more information about coronavirus (COVID-19), please visit coronavirus.vic.gov.au.

Keeping you informed

To help support the Victorian Government's stage 4 coronavirus (COVID-19) restrictions while still making sure people know what's happening in their area, we've temporarily changed the way we'll notify you about upcoming works.

We are using the following channels instead of hand delivering information into your letterbox at this time.

Please sign up to our email updates via the Metro Tunnel Project website so we can continue to keep you informed about works in your area.

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.