



## MONTHLY CONSTRUCTION UPDATE

### KENSINGTON AUGUST 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 August.

#### Construction snapshot

In August, works within the Kensington precinct will include:

- Sump piling works
- Tunnel entrance excavation and roof slab construction
- Capping beam works
- Permanent propping construction
- 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](https://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](https://coronavirus.vic.gov.au)

# WORKS IN YOUR AREA

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

Childers Street

7am to 10pm, Monday to Saturday

No work on Sundays

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 slab, excavation and the tunnel entrance concrete ground slab
- 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 using a small crane to lift temporary propping into place, 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
- Excavation, propping and concreting works are expected to generate low 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.

### Sump Piling

Childers Street

7am to 6pm, Monday to Saturday

Ongoing to mid-August 2020



- Piling works will continue in August to construct a sump box adjacent to the Egress building. The sump is located beneath the tunnel entrance ground slab and will collect 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 the removed high-voltage towers. If encountered, removal of concrete remnants will generate high levels of noise.

### Piling Rig demobilisation

2am to 7am, Friday 7 August 2020



- Once sump piling works are complete, the piling rig will be removed from site requiring the use of an oversized vehicle
- To minimise traffic disruptions, oversized deliveries are required to take place at night along major arterial roads. The piling rig will be removed by truck between 2am and 7am, overnight on Friday 7 August 2020 and will take approximately one hour to load
- The truck will arrive travelling north on Kensington Road from Dynon Road, turning left into Hobsons Road and reversing into the Childers Street worksite
- Traffic controllers will assist the truck movements with a short hold of traffic while the truck reverses into the site
- During the piling rig demobilisation there will be periods of low level noise. Some light from construction vehicles may also be noticeable.

### Rail corridor maintenance works

Childers Street

12am to 4am, Mondays and Thursdays,

Ongoing intermittently to late 2020



- Throughout the duration of excavation activities, 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 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.

### Egress building construction

Childers Street

Ongoing to mid-2021



- Installing formwork and reinforcement using a crane and hand tools
- Pouring concrete to create the internal walls of the underground structure. Major concrete pours are expected to take approximately 14 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 works occur.

### Egress building internal wall concrete pours

Childers Street

7am to 10pm, Monday to Saturday

(three days only)

Ongoing until late August 2020



- Each of the three remaining internal lining walls of the egress building (underground structure) will be constructed using one continuous concrete pour. This is required to guarantee structural integrity
- These pours are expected to take up to 14 hours to complete, and will be completed on three separate days
- 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 prior to the confirmed date of each pour.

### 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](https://metrotunnel.vic.gov.au).

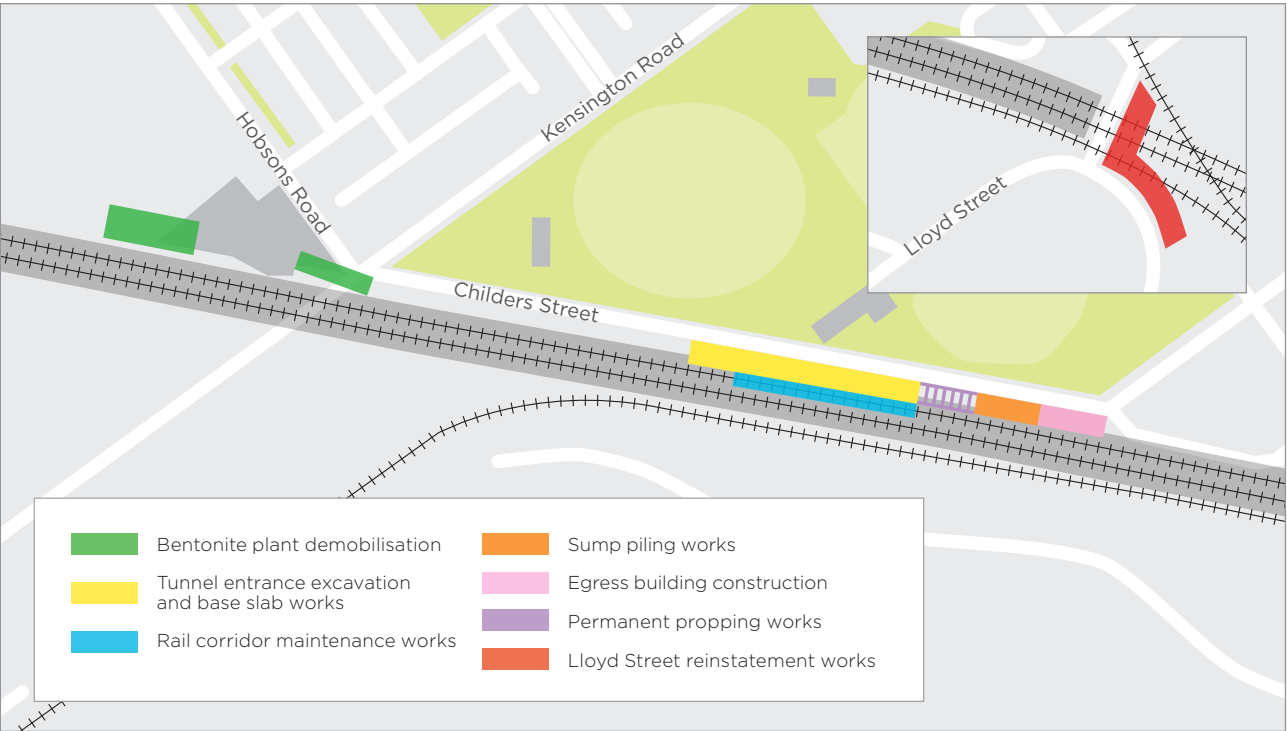
### Lloyd Street reinstatement works

Lloyd Street

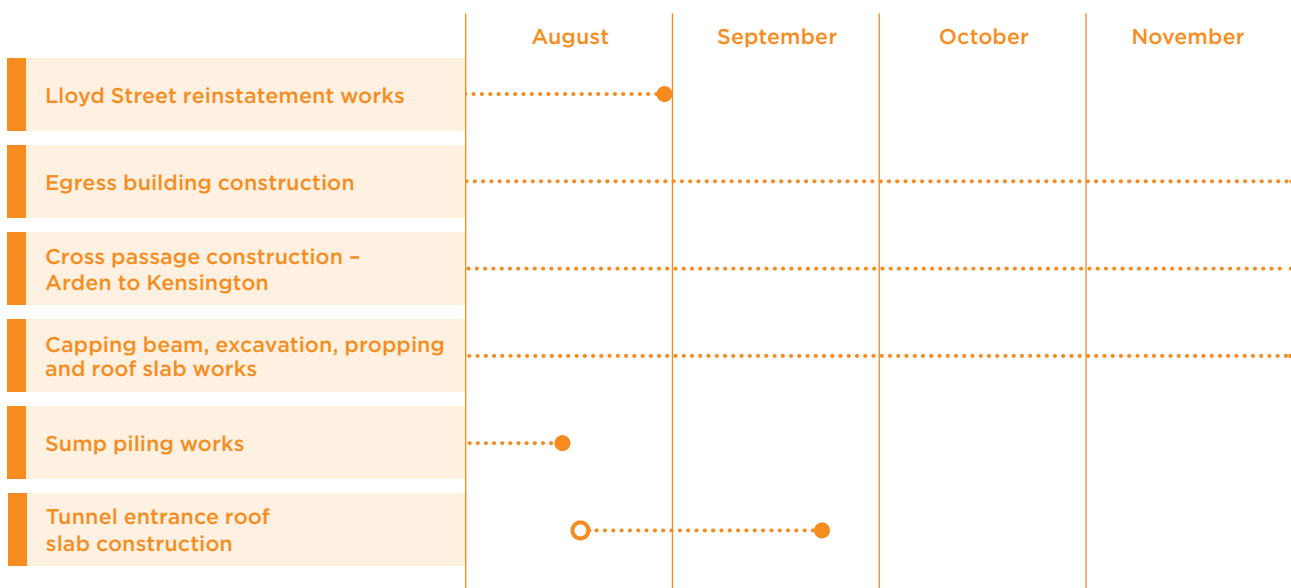
Ongoing until late August 2020



- Reinstating 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.



# 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.

### Derby Street and Tennyson Street temporary construction access

- To undertake the concreting and steel for the tunnel entrance works 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 working hours
- This will be in place until mid-September 2020
- Additional traffic controllers will be placed on Derby and Tennyson streets, to ensure safe vehicle movements.

## More information

To find out more about the Metro Tunnel Project:

 [metrotunnel.vic.gov.au](http://metrotunnel.vic.gov.au)

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

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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](http://railprojects.vic.gov.au) for the latest updates.