

Monthly construction update

South Yarra

September 2020

Works to construct the Metro Tunnel's eastern entrance in South Yarra will continue throughout September. This month's focus is on the installation of the rainwater detention tank walls and roof, ongoing extended works within the egress shaft and the construction of the tunnel base slab and walls within the South Yarra Siding Reserve. Our two tunnel boring machines are also expected to breakthrough in South Yarra later this month.

This notification provides an overview of upcoming works throughout September.

Construction snapshot

Construction works will include:

- Extended hours within the egress shaft
- Extended hours for steel fixing within the tunnel
- Extended hours for works to close the tunnel void
- Construction of the tunnel entrance base slab and walls
- Installation of rainwater detention tank walls and roof
- Installation of precast traffic barriers along Arthur Street
- 24/7 rail works for drainage, cable conduit installation and maintenance works
- Pipe installation works
- Removal of tunnel entrance support struts
- Tunnel boring machine (TBM) breakthrough and retrieval works.

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.

Works in your area

Extended hours within the egress shaft

South Yarra Siding Reserve

We will continue working around the clock Monday to Friday and from 7am to 3pm on Saturday until 30 September 2020



- Construction of the egress shaft will continue throughout September
- Works will include installing scaffolding within the shaft, waterproofing, steel fixing, spraying concrete to strengthen the walls and formwork in preparation for additional concrete pours
- These works will require the use of a crane to lower materials into the egress shaft, concrete pump and hand tools
- Works are expected to generate medium to high levels of noise.

Extended hours for steel fixing within the tunnel

South Yarra Siding Reserve

We will continue working around the clock Monday to Friday and from 7am to 3pm on Saturday until 30 September 2020



- Works to finalise the interior wall and floor of the tunnel entrance will continue throughout September
- Steel formwork will be installed and fixed into place using hand tools
- These works will require the use of elevated work platforms, a forklift and hand tools
- Works are expected to generate low levels of noise, with some medium level peaks. The depth of the work area and the concrete roof slab will suppress construction noise as works progress underground
- Works will be completed under directional lighting to ensure the safety of our workers. Every effort will be made to direct these lights away from residential properties.

Extended hours for works to close the tunnel void

South Yarra Siding Reserve

We will continue working around the clock Monday to Friday and from 7am to 3pm on Saturday from Tuesday 1 to Tuesday 15 September 2020



- As previously notified, works to close the tunnel void will begin in September
- Works will include installing steel formwork, which will be fixed into place using hand tools
- A crane will be required to assist with placing reinforcement steel around the void

- Once the steel formwork is in place, concrete will be poured over the steel and left to cure before works recommence within the tunnel
- These works will require the use of elevated work platforms, a forklift, concrete pump, a crane and hand tools
- Where possible, higher impact works will be scheduled to take place during normal construction hours only
- Works are expected to generate low levels of noise with some medium level peaks.

Construction of the tunnel entrance base slab and walls

South Yarra Siding Reserve

Occasional out of hours works to late-October 2020



- Works to construct the tunnel base and walls will continue throughout September
- This will involve a number of concrete pours for the base slab and walls
- Works will involve spraying concrete (shotcrete) to line the walls of the tunnel. To ensure the structural integrity of the walls, some out of hours works will occur between 7am and 10pm Monday to Friday
- During concrete pours, additional trucks will be required to enter and exit the South Yarra Siding Reserve
- Works are expected to generate low to medium levels of noise.

Installation of rainwater detention tank walls and roof

South Yarra Siding Reserve

Ongoing to mid-November 2020



- Construction of the detention tank walls will continue throughout September
- Works will include waterproofing and connecting the previously installed panels using concrete
- Works are expected to generate low to medium levels of noise.

Installation of precast traffic barriers

Arthur Street

Monday 31 August to Saturday 5 September 2020



- As previously notified, works are required to install 12 precast traffic barriers above the rail corridor along the east end of Arthur Street
- These works will begin after the last passenger service each night, until before the first passenger service each morning

- Works will require a crane to be set up on Arthur Street during this time
- A single lane closure will be in place along Arthur Street while we complete the barriers installation works. Access to nearby business and residential properties will be maintained under traffic management
- To ensure the safety of rail users and our workers, the installation of traffic barriers above the rail lines can only be performed safely when trains are not operating.

24/7 rail works for drainage, cable conduit installation and maintenance works

Rail corridor between South Yarra and Caulfield stations

Monday 31 August to Monday 7 September 2020



- As previously notified, 24/7 works will take place within the rail corridor between South Yarra and Caulfield stations
- Works include painting a section of the William Street bridge, drain rectification works at South Yarra station, installing cable conduits and maintenance access stairs within the rail corridor in the South Yarra Siding Reserve, installing fences around relocatable equipment buildings at Railway place and maintenance works on tracks and rail service pits along the rail corridor between South Yarra and Hawksburn stations
- Works will involve the use of an elevated work platform, excavators, a non-destructive digging truck, rail grinding machines, a crane, drills and work crews using hand tools
- These works are expected to generate medium levels of noise with some high level peaks
- Due to other project works also taking place in the rail corridor, buses will be replacing trains on the Frankston line between Monday 31 August and Thursday 3 September from 8pm to the last train each night. Visit www.ptv.vic.gov.au for more information.

Pipe installation works

Arthur and William streets

Ongoing to mid-September



- Previously notified works to install new drainage pipes within the South Yarra Siding Reserve will now be completed in mid-September
- The new pipes will be installed and connected to the rain water detention using a hydraulic jack, which will push the pipe into the ground
- These works are expected to generate medium to high levels of noise as the pipe is pushed into the ground, with some low level vibration.

Removal of tunnel entrance support struts

South Yarra Siding Reserve

7am to 7pm Saturday 19 and Sunday 20 September 2020



- The temporary supports which have been in place while we complete works on the tunnel entrance floor will be removed over one weekend
- A crane will be required to lift and remove each prop from the tunnel entrance
- The crane will be delivered during normal construction hours via Chapel Street, into Arthur Street and will access the site at William Street
- The crane will be demolished and removed from the site between 7pm and 9pm on Sunday evening via William Street and into Toorak Road.

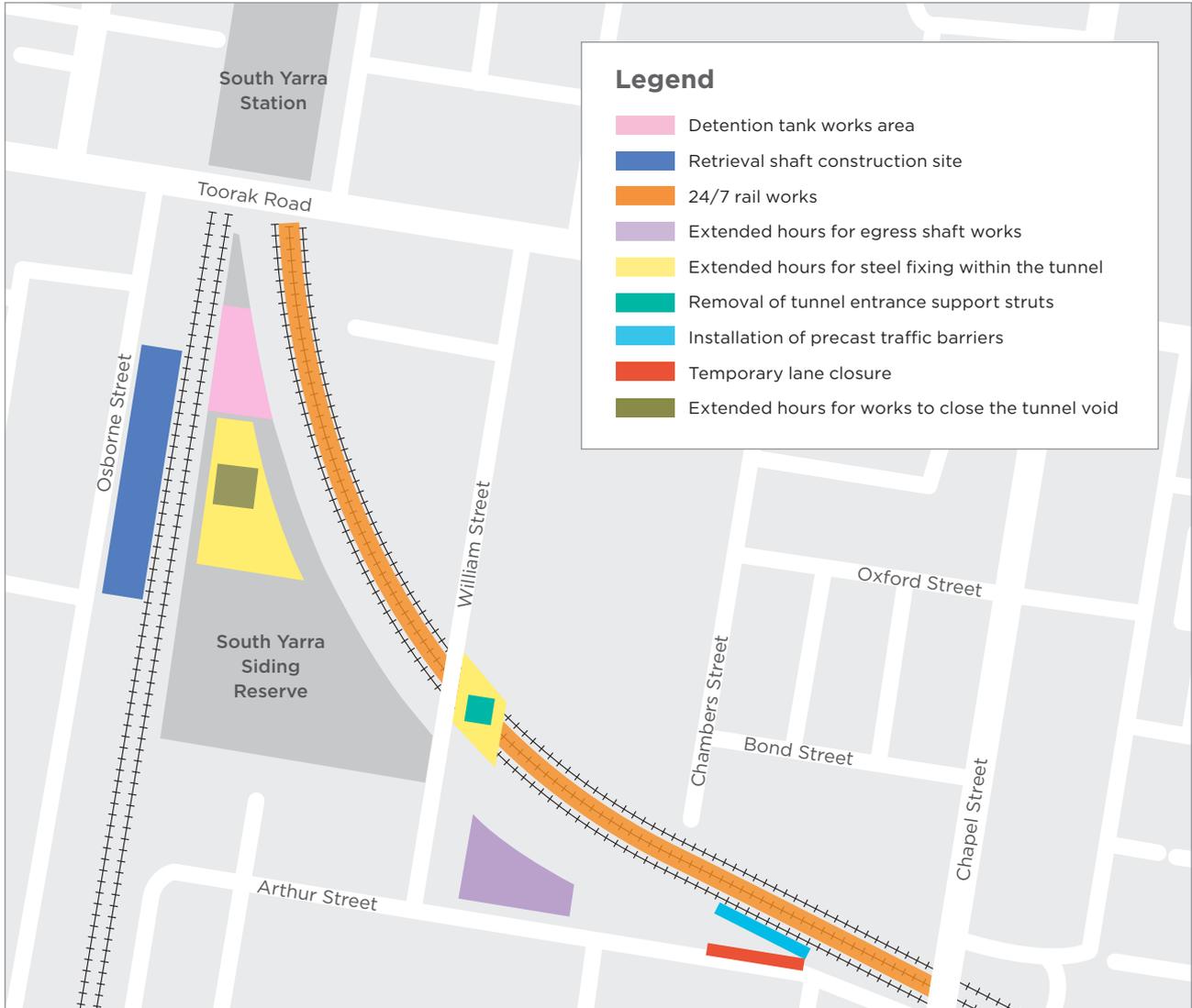
Tunnel boring machine breakthrough and retrieval works

Osborne Street

Ongoing to late 2020



- TBM Millie and TBM Alice are expected to complete their 1.7 kilometre tunnelling journey from Anzac Station to the Eastern portal, South Yarra in late September
- Upon breakthrough, 24/7 works will take place within the retrieval shaft to disassemble the TBMs before they are transported back to the Domain site for reassembly and relaunch towards the CBD in 2021
- Various handheld tools will be used within the shaft to enable disassembly, while a telehandler, forklift and semi-trailer will be used to lift and transport the parts
- Low levels of noise are expected for works occurring within the shaft. During daytime working hours, medium levels of noise are expected with intermittent periods of high level noise
- TBM parts will be removed from the shaft using a gantry crane and loaded onto trucks during the day. The TBM parts will then be driven out of Osborne Street and taken back to the Anzac Station site between 1am - 5am
- More detailed information about the TBM disassembly and transport will be provided ahead of the TBM arrival.



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.

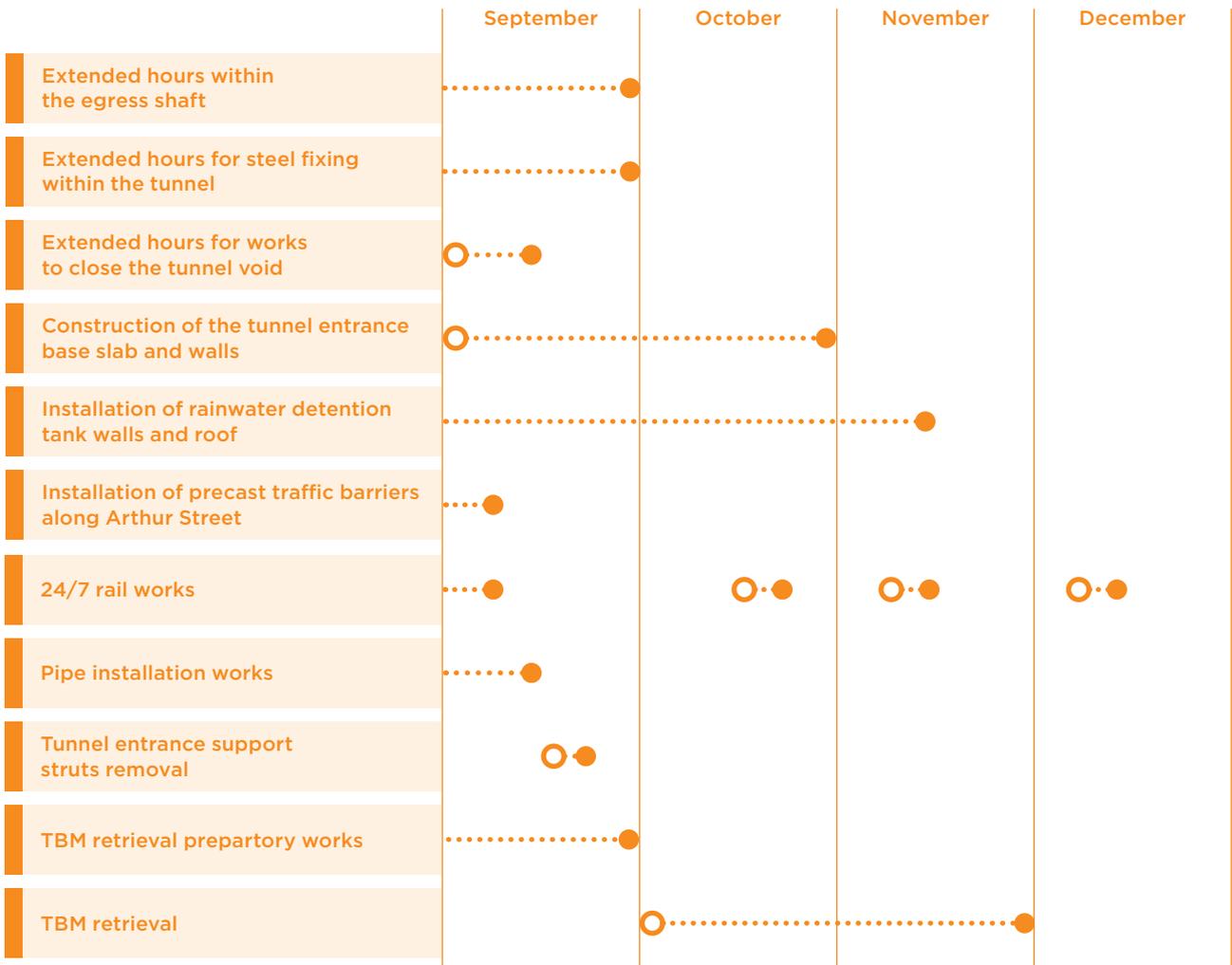
Keeping you informed

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.

Look ahead for 2020



Traffic impacts

- Traffic management and a single lane closure will be in place along Arthur Street while we complete the barrier installation works. Access to nearby business and residential properties will be maintained
- Oversized deliveries, including TBM parts, will depart the Osborne Street site between 1am and 5am throughout September. Up to date information on the schedule of oversized TBM transports can be found here: metrotunnel.vic.gov.au/construction/south-yarra/transport-changes-in-south-yarra.

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.

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)

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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.