



## MONTHLY CONSTRUCTION UPDATE

### SOUTH YARRA AUGUST 2019

Works to construct the Metro Tunnel's eastern entrance are continuing in South Yarra. Following the completion of structural support works in July, excavation of the tunnel entrance will start in August.

This notification provides an overview of works that will be completed over the coming month as we prepare the network for bigger, better trains and deliver improvements for passengers across Victoria.

#### Construction snapshot

Construction works will include:

- Tunnel entrance excavation
- Retaining wall works within the rail corridor
- Steel tying, fixing and concrete pouring for the tunnel roof
- Egress shaft piling works
- Overhead wiring, cable laying and trenching from Toorak Road to Hawksburn station
- Construction of the Tunnel Boring Machine (TBM) retrieval shaft on Osborne Street
- Preparatory works for gantry crane installation.

Further information on these works can be found overleaf or at [metrotunnel.vic.gov.au](http://metrotunnel.vic.gov.au)

#### When are we working?



##### Normal construction hours

7am to 6pm, Monday to Friday  
7am to 1pm, Saturdays

Some activities may be required to continue slightly past these hours. All efforts will be made to complete activities as scheduled.



##### 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.

#### Project Information Line

# 1800 105 105

24 hours a day, 7 days a week

Press 2 for Metro Tunnel

# WORKS IN YOUR AREA

## Tunnel entrance excavation

**South Yarra Siding Reserve**  
Early August to late 2019



- Works to begin the excavation of the tunnel entrance will start in early August
- Excavation of the tunnel will take place in sections, and will involve the removal of soil from underneath the now installed roof slab
- These works will involve the use of excavators, trucks, cranes and are expected to generate medium levels of noise
- There will be an increase in truck movements on Arthur Street as the soil is removed from site.

## Retaining wall works

**Rail reserve between William and Chapel streets**  
Ongoing to mid-August 2019



- Retaining walls will be installed along the northern and southern edges of the Cranbourne / Pakenham and Frankston rail corridor to ensure the structural stability of the embankment beside the rail lines
- Embankments in the rail reserve will be excavated and soil nails installed before concrete is sprayed on the area
- These works will involve the use of excavators, soil nail rigs and concrete pumps, and are expected to generate medium levels of noise.

## Steel tying, fixing and concrete pouring for the tunnel roof

**South Yarra Siding Reserve**  
July 31 to August 31 2019  
7am to 10pm Monday to Saturday



- The final stages of steel reinforcement on the tunnel entrance roof slab are nearly complete
- Steel tying and fixing will be completed, before concrete is poured over the steel, to provide internal structural integrity for the roof of the new tunnel entrance
- These works will involve a small work crew and hand tools. Directional lighting will be in place for worker safety
- There will be an extended concrete pour in mid-August, that will start at 6am to ensure that concrete is laid in one continuous pour. Residents will be notified closer to the date.

## Egress shaft piling works

**South Yarra Siding Reserve**  
Mid-August to early September 2019



- Major piling works for the retaining walls and tunnel entrance structures are now complete within the South Yarra Siding Reserve and recently the two piling rigs were removed from site

- Temporary piles for the tunnel egress structure will be installed in August, these piles will help provide structural support while construction of the egress structure is completed
- The egress structure will be used as a maintenance access point when the Metro Tunnel is in operation
- These works will include the use of piling rigs, excavators, concrete pumps and jackhammers, and are expected to generate medium to high levels of noise
- A piling rig will be delivered to site in mid-August and then removed in early September, once works are complete
- Residents will be notified closer to the removal date.

## Overhead wiring, cable laying and trenching works

**Rail reserve between Toorak Road and Hawksburn station**  
Saturday 31 August to Monday 2 September 2019



- Trenching works to install and lay new cable that will be used to power the new rail lines will be installed while trains aren't running between Saturday 31 August and Monday 2 September
- These works will involve upgrading and removing redundant overhead structures, trenching and excavation to make room for the new cable route along the rail corridor and the laying of new cable
- The South Yarra Siding Reserve, Palfreyman Street and Railway Place will be used to deliver equipment and to enter and exit the rail corridor during these works
- These works are expected to generate medium to high levels of noise
- Buses will replace trains during this time. Visit [www.ptv.vic.gov.au](http://www.ptv.vic.gov.au) for more information.

## Retrieval shaft piling works

**Osborne Street**  
Intermittent until the end of August 2019



- Pile break back is required to expose steel tie in points for the tunnel boring machine (TBM) retrieval shaft
- An innovative new method is being used to break back piles at the Osborne Street site. The method involves the use of an expanding mortar to create pressure and generate a horizontal cut. This allows for the top layer of concrete to be removed easily by cranes, limiting the need to use jack hammers and excavators, thus reducing noise, dust and vibration
- These works are expected to generate medium levels of noise
- Pile break back will occur intermittently for three full working days during August.

## Retrieval shaft construction

**Osborne Street**  
Ongoing until the TBM arrival in South Yarra in late 2020



- Construction of the walls and roof of the TBM retrieval shaft will continue throughout August
- These works will involve the use of hand tools and cranes to construct the formwork and tie in the wall and roof to the reinforcement
- Concrete will then be poured to complete the walls and roof in late August. The concrete pour will take approximately 16 hours. Concrete pours must be continuous to ensure structural integrity, therefore extended hours will be required to facilitate these works. Residents will be notified closer to the date
- During this concrete pour, Osborne Street will be closed with local access maintained via traffic management
- These works are expected to generate medium levels of noise.

## Gantry crane preparation works

**Osborne Street**  
Ongoing until late September



- Preparatory works for the installation of a gantry crane above the TBM retrieval shaft on Osborne Street will continue in August
- The gantry crane will be used to excavate the retrieval shaft and in late 2020 it will be used to retrieve the two tunnel boring machine cutter heads when they arrive at South Yarra from the Domain Precinct
- In August, electrical works to power the crane will be undertaken in Osborne Street by CitiPower. Some local traffic changes may be required, please see information in the Traffic and Transport section overleaf. These works are expected to generate medium levels of noise
- Installation of the gantry crane is due to be complete in late September 2019.



## Supporting local businesses

Guzman Y Gomez, located at 190 Toorak Road, serves made-to-order Mexican food with fresh, whole produce and authentic ingredients.

With speed and innovation at the core of the business, Guzman y Gomez is reinventing fast food by showing it's possible to serve good food fast without compromising on quality or nutrition.

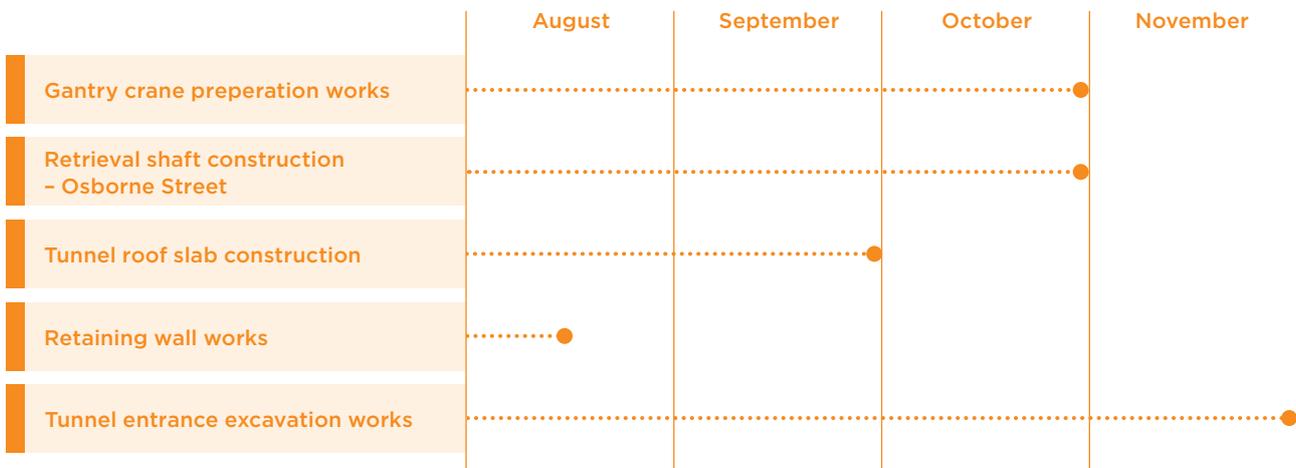
Visit Guzman Y Gomez to find out why it's one of our favourite local restaurants!



## Traffic and transport impacts

- Osborne Street will be closed to general traffic for one day in late August to facilitate a concrete pour, local access will be maintained via traffic management
- Osborne Street may be closed to general traffic while electrical works are undertaken by CitiPower, however local access will be maintained. Residents will be notified closer to the date
- Surrey Road, South Yarra will have two parking bays temporarily removed from 5 August to early September as workers access the rail corridor to complete service investigation works.

## LOOK AHEAD FOR 2019



## More information

To find out more about the Metro Tunnel Project and register for future email updates:

- 🌐 [metrotunnel.vic.gov.au](http://metrotunnel.vic.gov.au)
- ☎ 1800 105 105 (24 hours a day, 7 days a week)  
Press 2 and follow the prompts
- 📘 [facebook.com/metrotunnel](https://www.facebook.com/metrotunnel)
- @ Subscribe to eNews or construction notification emails: [metrotunnel.vic.gov.au/subscribe](mailto:metrotunnel.vic.gov.au/subscribe)

**Interpreter Service**  
**(03) 9280 0700**

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Cantonese	廣東話	Serbian	Српски
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Italian	Italiano	Spanish	Español
Korean	한국어	Turkish	Türkçe
Macedonian	Македонски	Vietnamese	Tiếng Việt
Mandarin	普通话		

It should be noted that this information is current at the time of printing, however due to unforeseen circumstances, changes may occur. Please visit [metrotunnel.vic.gov.au](http://metrotunnel.vic.gov.au) for the latest updates.