



# STATE LIBRARY STATION COMMUNITY REFERENCE GROUP

CROSS YARRA PARTNERSHIP D&C

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27 August 2021



# Acknowledgement of Country



We acknowledge the land on which the Metro Tunnel Project is being delivered, is the traditional land for the People of the Kulin Nation. We respect their spiritual beliefs and acknowledge their ongoing connection with their Country.

We would also like to pay our respect to Elders past, present and future.



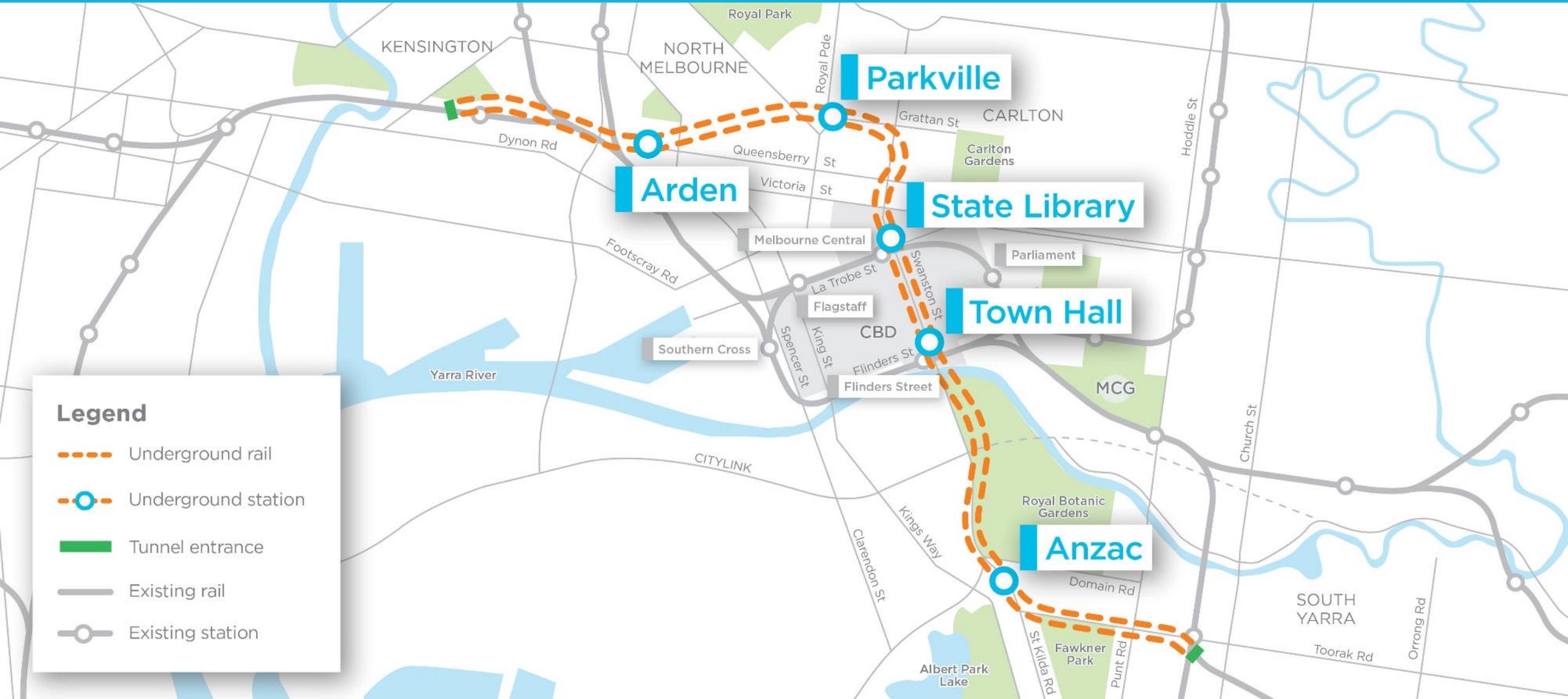
- 1. Project Overview**
- 2. State Library Station Update**



# Project Overview

# Metro Tunnel Project

## Project Alignment



### Legend

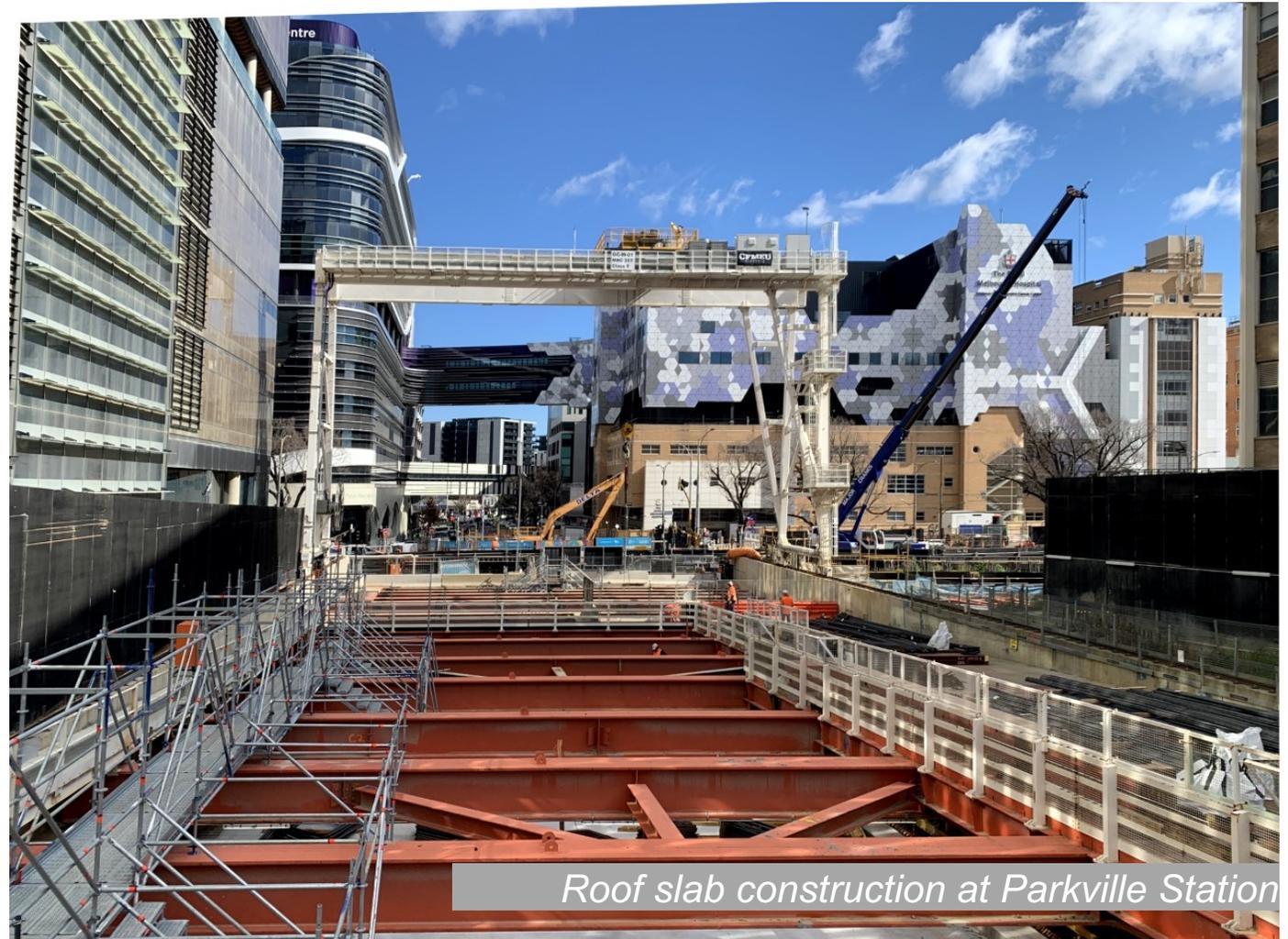
- Underground rail
- Underground station
- █ Tunnel entrance
- Existing rail
- Existing station

- Installation of the falsework entrance's brick arches has begun.
- 15 arches will be installed to form the station entrance each weighing up to 65 tonnes.
- The amended draft Arden Station Precinct Development Plan remains on public display until the end of August.



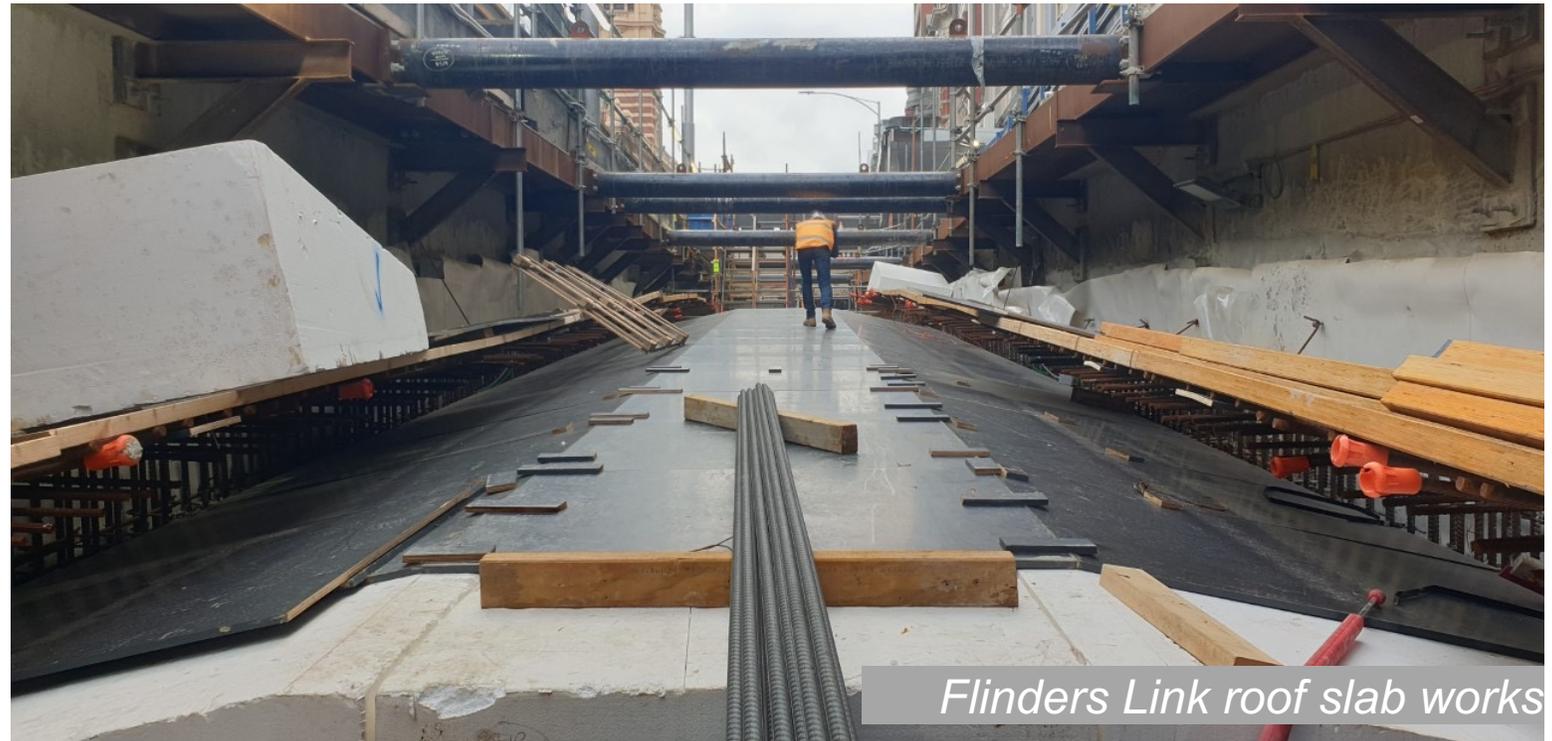
*Arden Station's entrance arch components awaiting transport to site*

- Works continue on the main station box, and excavation of the station entrances
- Large concrete pours to form the roof slab which has required the closure of the Royal Parade southbound service lane until late August to facilitate crane set up.



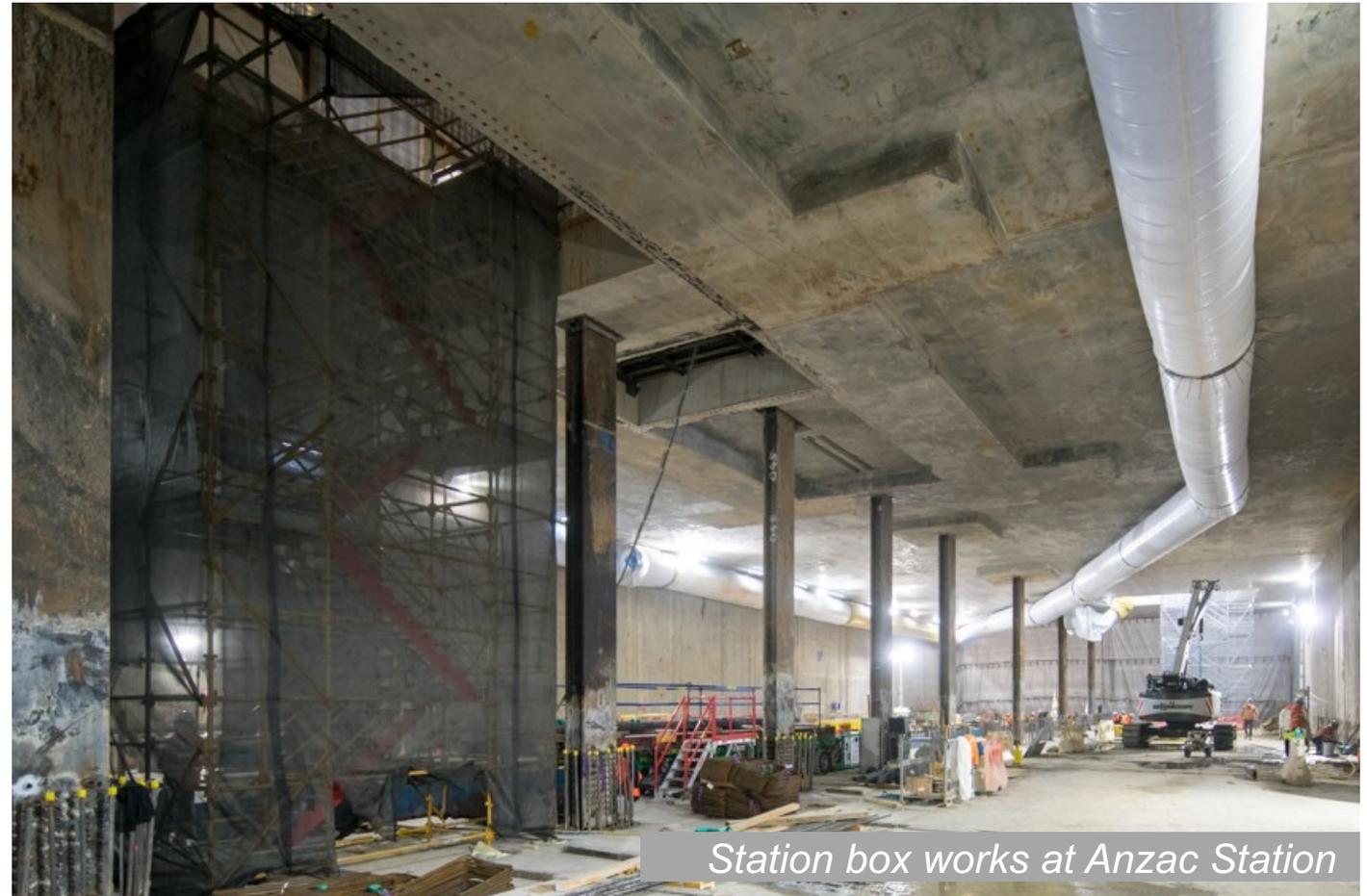
*Roof slab construction at Parkville Station*

- At the Flinders Link site, the breakthrough into the existing Campbell arcade was completed
- At the Flinders Quarter site works are ongoing with concrete pours on B2 level. This. Excavation is ongoing at B3 level
- Below Swanston Street in the central cavern, the eastbound rail platform tunnel bench is nearly complete with works ongoing in the westbound rail platform tunnel bench.



*Flinders Link roof slab works*

- Recently reached a major milestone at Anzac Station with the final concourse level concrete poured
- The 300m long concourse level is now linked between the station's north and south boxes
- The first section of the tram/train interchange station entrance roof slab is also now poured.



*Station box works at Anzac Station*



# State Library Station Update

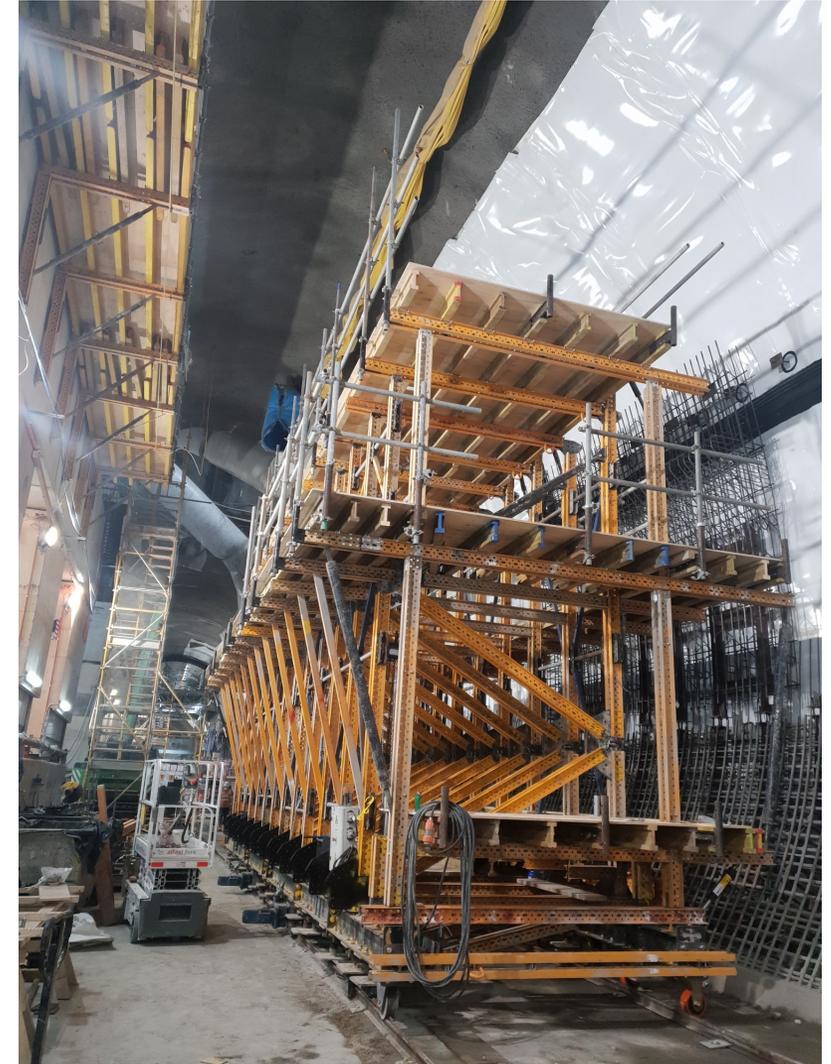
# STRUCTURES AND LINING



# STRUCTURES AND LINING



- TBM support infrastructure has been removed
- Sidewall formwork system started assembly this month (pictured)
- Sidewall and invert (slab) construction is underway in both the eastbound and westbound tunnels
- Franklin and La Trobe St under track excavation is complete. Excavated materials were transferred through TBM tunnels to Arden
- Franklin and La Trobe adit construction which includes installing formwork, reinforcement and concrete has commenced and will continue for the next 18 months
- One of the lining and formwork systems has been transferred to the eastbound tunnel and will be reconfigured for platform tunnel arch lining profile.



# STRUCTURES AND LINING



Activity	Aug	Sep	Oct	Nov	Dec
Concrete and reinforcement deliveries and installation	[Activity spans from the start of August to the end of December]				
Central cavern arch lining	[Activity spans from the start of August to the end of September]				
Waterproofing cavern	[Activity spans from the start of August to the end of October]				
Rail tunnel invert and sidewall construction	[Activity spans from the start of August to the end of December]				
Rail tunnel arch lining		[Activity spans from the start of September to the end of December]			
Franklin and La Trobe St adit construction		[Activity spans from the start of September to the end of December]			

# A'BECKETT STREET SITE



- Logistics for structures and lining works continue through A'Beckett Street site shed 24hrs
- Intermittent Sunday shifts are required over the next six months as works ramp up in rail tunnels and Franklin and La Trobe Street adits
- On Sunday 5 September electrical works are required at A'Beckett and Stewart Street intersection from 7am. Traffic changes will apply. Access to buildings will be maintained at all times but please allow an extra 20 minutes.



# FRANKLIN STREET SITES



# FRANKLIN STREET EAST



Activity	Aug	Sep	Oct	Nov	Dec
B5 perimeter and internal walls					
B4 suspended slab					
Strut removal					
B4 perimeter and internal walls					
B3 suspended slab					

# FRANKLIN STREET WEST

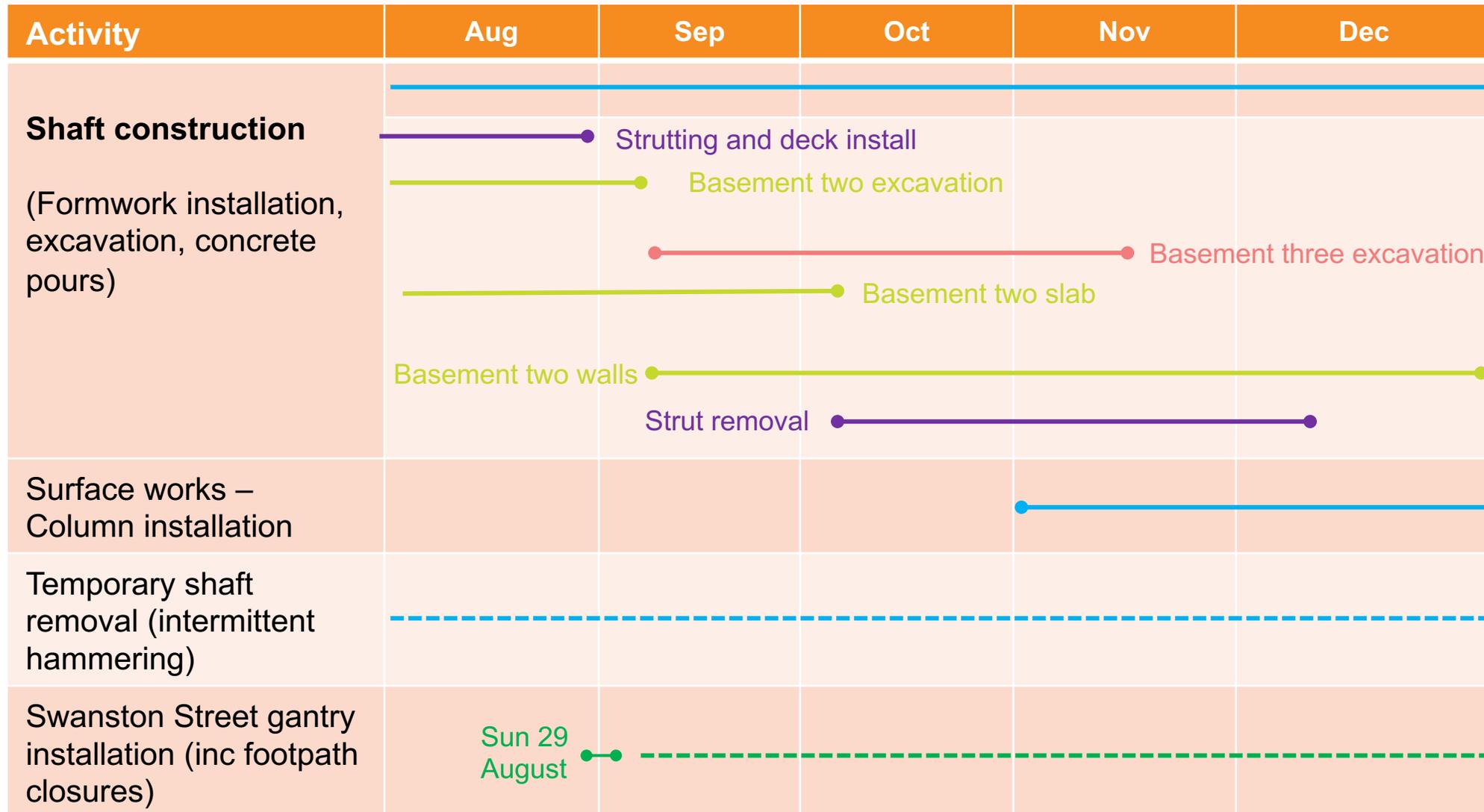


Activity	Aug	Sep	Oct	Nov	Dec
B6 to B4 perimeter and internal walls	Starts in Aug, ends in Aug				
B4 slab			Starts in Oct, ends in Dec		
Laydown area changes	Starts in Aug, ends in Sep				
Monorail reinstatement				Starts in Nov, ends in Dec	
S4 strut removal					Starts in Dec, ends in Dec

# LA TROBE STREET SITE



# LA TROBE STREET SITE



## Shaft construction

(Excavation, excavated material removal, steel fixing, concrete pours and deliveries)

- Monday to Fridays, 7am to 12am
- Saturdays, 7am to 6pm

## Temporary shaft removal

(Excavation using a hammer attachment)

- Monday to Fridays, 7am to 8pm
- Saturdays, 7am to 6pm

## Concrete finishing works and oversized deliveries

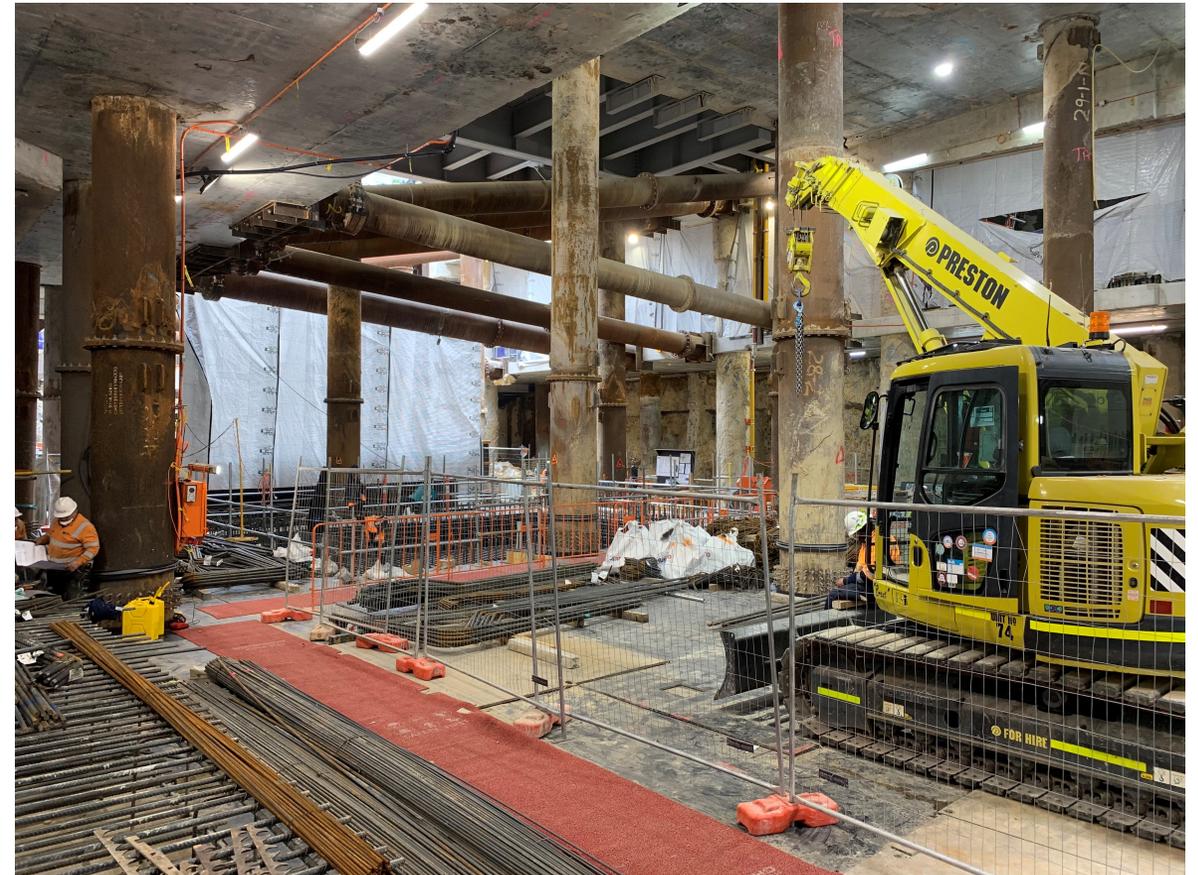
- Monday to Saturdays, 10pm to 7am (as required)

## Swanston Street concrete pump operation

- Monday to Sundays, 24 hours (as required)

## Little La Trobe Street concrete pump operation

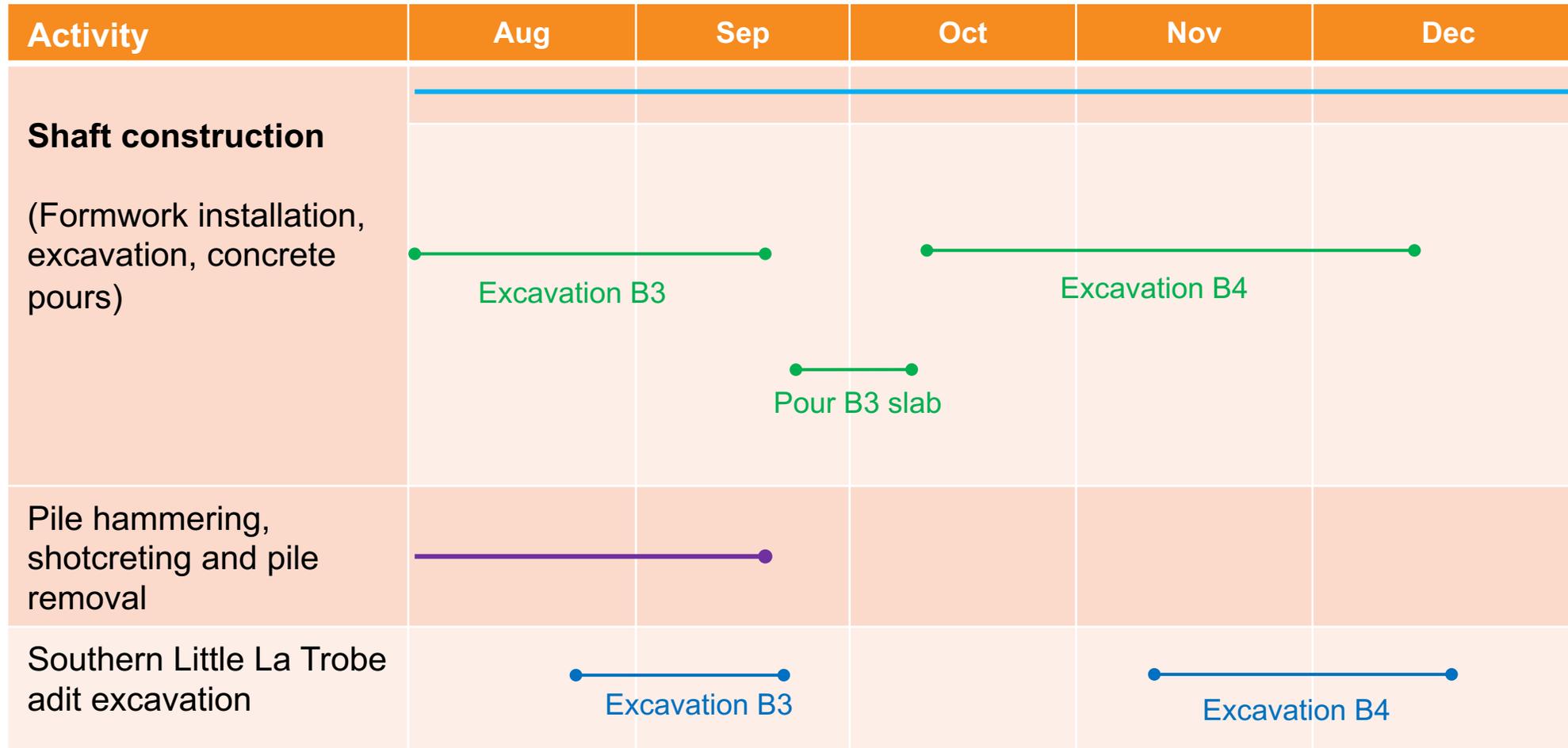
- Monday to Saturdays, 7am to 6pm



# LITTLE LA TROBE STREET SITE



# LITTLE LA TROBE STREET SITE



## Shaft construction works

- Monday to Fridays, 7am to 10pm
- Saturdays, 7am to 6pm

## Pile hammering

- Monday to Fridays, 8am to 4pm

## Concrete finishing works and oversized deliveries

- Monday to Fridays, 10pm to 7am (as required)

## Southern Little La Trobe adit excavation

- Monday to Fridays, 24h until mid-September
- Resumes again in November

