

Monthly construction update

State Library Station

June 2023

Major construction is continuing in the northern end of Swanston Street at the site of the future State Library Station.

Construction snapshot

Construction works within the State Library Station precinct during June 2023 include:

- Underground structures and lining works
- Station entrance construction at the La Trobe Street site
- Above ground structure works at the Little La Trobe Street site
- Platform screen doors installation in the central cavern
- Shaft construction at all sites.

Further information on these works can be found overleaf or at metrotunnel.vic.gov.au

Business support

While the new State Library Station will be a significant boost for the local area, construction activities can impact local businesses.

In response to this, our Business Support Team assists businesses through the disruption and any permanent changes that will take place.

Please see the promotion in this notification for **Flora Indian restaurant** located at 238A Flinders Street, Melbourne.

We look forward to promoting more local businesses as the project progresses.

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.

Construction partner:



Cross
Yarra
Partnership



Works in your area

Structures and lining works

A'Beckett Street site

24-hours, Monday to Sunday, ongoing



- Steel and concrete deliveries and the unloading of materials within the acoustic shed is ongoing
- This involves the use of a mobile crane, trucks and hand tools
- Concrete pours using the concrete pump within the new acoustic shed, located within the site laydown area, are ongoing.

Franklin Street sites

24-hours, Monday to Sundays, ongoing

- Works continue at the Franklin Street East and Franklin Street West sites. Key activities within the acoustic sheds involve strut removal, steel tying, waterproofing and concreting to construct slabs and walls from the bottom level of the shaft up to the ground
- Delivery of steel and concrete using trucks and unloading materials within the acoustic sheds is ongoing
- Works have commenced to remove the ground floor deck at the Franklin Street East site. During these works, trucks are reversing into the site from Victoria Street
- Stop and hold arrangements will be in place during truck reversal movements
- To facilitate these works, line marking and modifications to the hoarding and gate at Victoria Street adjacent to the Franklin Street East site will be required. These works will require intermittent lane and footpath closures (see map)
- Traffic management will be in place to safely guide pedestrians, cyclists, and motorists around the works area.

Shaft construction

Little La Trobe Street site Shaft construction

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



Formwork installation within shaft

10pm to 3am, Monday to Fridays

Ground floor slab removal

7am to 10pm, Monday to Fridays, until complete

- Shaft and adit construction is continuing at the Little La Trobe Street site
- This involves the use of a crawler crane, tower crane, formwork installation, steel fixing, waterproofing, concrete pumps, elevated work platforms, hand tools and trucks to deliver construction materials such as concrete and steel
- Concrete pours must be continuous to ensure structural integrity and therefore may occasionally continue outside notified hours
- Formwork installation is continuing within the shaft until 3am on weeknights using hand tools and a scissor lift

- Hydro demolition within the shaft will take place intermittently until 10pm on weeknights as required
- Ground floor slab removal involving the use of wire saws, hammers, a hydraulic jack, power tools and a concrete core drill to demolish concrete capping beams are ongoing.

Above ground structure works

Little La Trobe Street site

7am to 6pm, Monday to Saturdays



- Above ground structure works are continuing at the Little La Trobe Street site
- This involves clearing the area where the eastern structure will be built, drilling, and installing formwork, steel, and concrete. Equipment used includes a crawler crane, franna cranes, an elevated work platform, rattle guns and hand tools
- Trucks will continue to use the loading zone on Little La Trobe Street to deliver and remove equipment and construction materials
- Traffic management will be in place to safely guide pedestrians, cyclists, and motorists around the works area.

Shaft construction

La Trobe Street site Shaft construction

24-hours, Monday to Fridays, ongoing
7am to 6pm, Saturdays, ongoing



Waterproofing, shotcreting and general maintenance works

7am to 6pm, Sundays (as required)

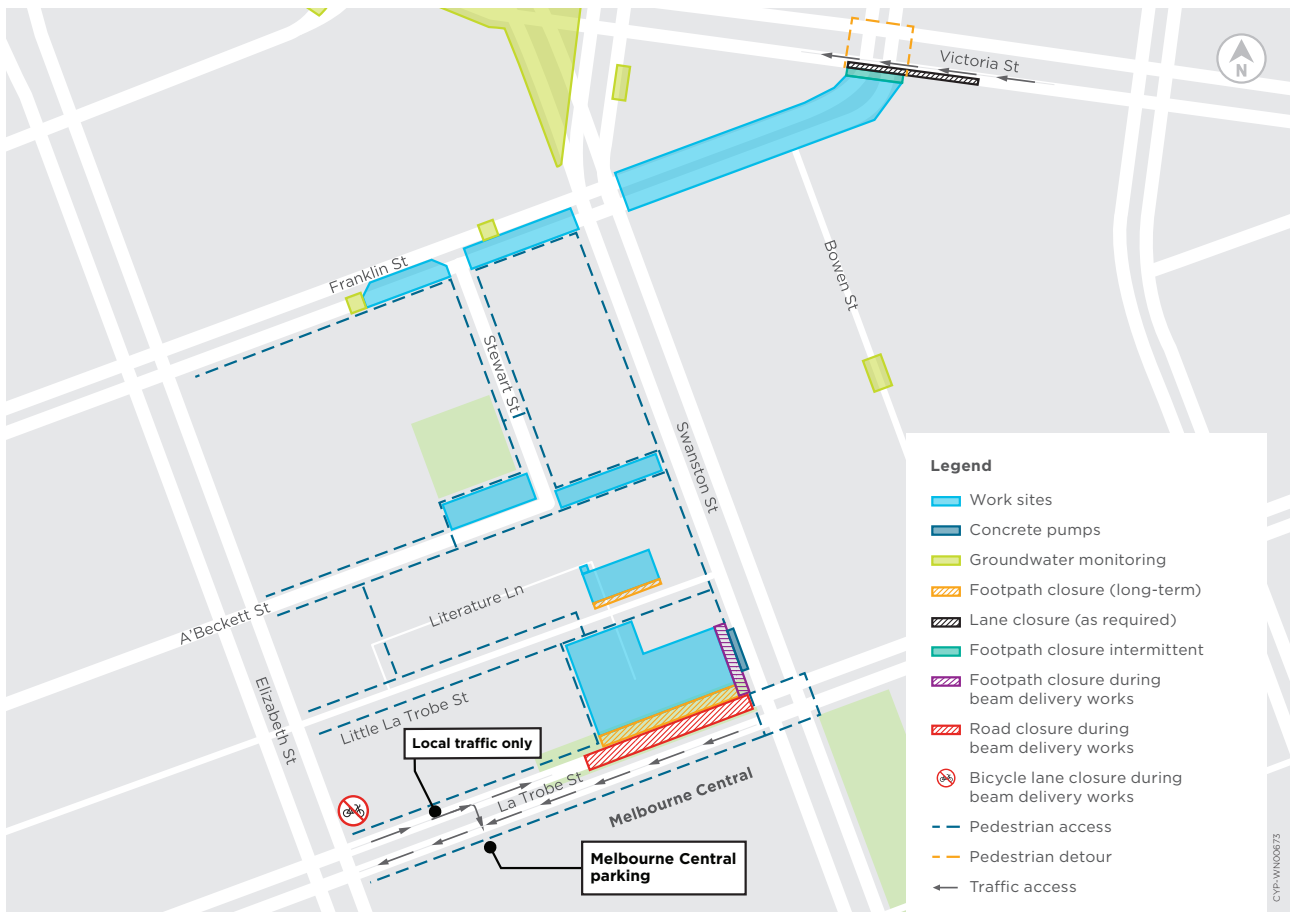
Little La Trobe Street concrete pump operation

7am to 8pm, Monday to Saturdays (as required)
24-hours, Monday to Sundays
(during major slab pours)

Swanston Street concrete pump operation

24-hours, Monday to Sundays (as required)

- Shaft construction is continuing at the La Trobe Street site. This involves excavation, and the construction of the shaft floors, walls and columns
- Excavation of the basement seven level is continuing. This involves the use of excavators underground, the use of an excavator and a tower crane aboveground, and trucks to remove excavated materials from the site
- Construction of the shaft floors, walls and columns involves steel fixing, waterproofing, formwork installation and concrete pours
- Concrete pours involve regular deliveries, the use of concrete trucks, concrete pumps and concrete finishing equipment
- The first of seven major concrete pours for the B5 slab was completed at this site. The next major concrete pour is scheduled to take place in mid-June
- Major concrete pours can take between 10-20 hours with all concrete pumps in use to achieve the volume of concrete required. This includes mobile pumps on site



Indicative only

- Concrete pours must be continuous to ensure structural integrity and therefore may continue outside of normal construction hours
- Works will continue Sundays (as required) and will include waterproofing, shotcreting, concrete finishing works and other general maintenance activities
- Ventilation equipment will be required during all works within the shaft, and site lighting will be required for evening and overnight works
- Regular truck movements to deliver and remove equipment, and construction materials are required at this site
- Some works at the La Trobe Street site will generate high levels of noise. Please contact the Project Team if you have any concerns.

Escalator installation

Melbourne Central Station

12am to 5am, Monday to Fridays,
until complete



- Works to install escalators will continue at the concourse and platform levels at Melbourne Central Station
- Works involve removing and installing hoarding, delivering and installing escalators, service relocations, and slab, tile and wall removal. Access for these works will be via the La Trobe Street site.

Station entrance construction

La Trobe Street site

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



Oversized beam deliveries

La Trobe Street site

24-hours, 3-5 days in late-June under eastbound closure of La Trobe Street

- Above ground construction of the State Library Station entrance is underway with wall and column construction
- This involves precast panel, steel cage deliveries, formwork installation, concrete pours, and oversized deliveries
- The first two of six oversized beam deliveries will take place over three consecutive days in late-June under an eastbound closure of La Trobe Street between Elizabeth and Swanston streets (see map)
- This involves oversized trucks carrying beams travelling to the site between 1am and 5am when the trams aren't running
- The trucks will remain on La Trobe Street until the beams can be lifted onto the station entrance columns using cranes during normal construction hours
- During the road closure, a 400 tonne crane will also be demobilised from the site
- The dedicated eastbound bicycle lane will also be closed for the duration of the works

- Motorists travelling eastbound on La Trobe Street will need to detour via Lonsdale Street
- Cyclists travelling eastbound on La Trobe Street will need to detour via Little Lonsdale Street
- For safety reasons there will be a closure of the Swanston Street western footpath adjacent to the La Trobe Street site during the first beam lift. Pedestrian access will be maintained via the eastern footpath on Swanston St
- Access to businesses and residential buildings will be maintained at all times.

Groundwater monitoring

Victoria, Franklin, Swanston and Therry streets

7am to 6pm, Monday to Fridays, 7pm to 5am, Monday to Fridays, under lane closure (as required)



- Intermittent testing of previously installed groundwater wells on Victoria, Franklin, Swanston, and Therry streets on the road and footpath is ongoing
- This involves setting up small, localised traffic controls on footpaths and overnight lane closures on Victoria, Franklin, Bowen and Therry streets
- Traffic management will be in place to safely guide pedestrians, cyclists, and motorists around the work areas
- Local access for residents and businesses will be maintained at all times
- These works are expected to generate low levels of noise.

Oversize deliveries

All sites

10pm to 7am, ongoing



- In addition to regular deliveries to site, out of hours deliveries will occur intermittently to minimise traffic disruption and to ensure the safety of the public and our workers.

Traffic and transport impacts

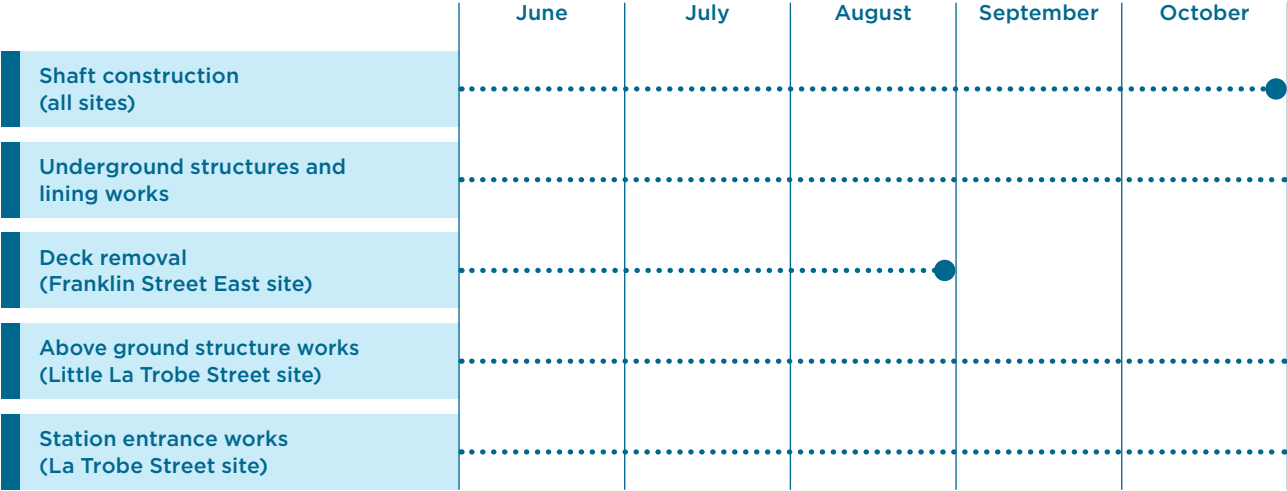
- A continuous eastbound road closure of La Trobe Street will take place in late-June, between Elizabeth and Swanston streets, for station entrance beam deliveries. Motorist detour via Lonsdale Street
- The westbound lanes on Victoria Street are reduced to one lane between Russell and Swanston streets outside of peak traffic hours as required to facilitate Franklin East site works

Ongoing impacts

- To ensure the safety of workers, motorists, and cyclists during the construction of the new State Library Station, a 30 kilometre per hour speed limit is in place on La Trobe Street between Elizabeth and Swanston streets
- The eastbound lanes on La Trobe Street are reduced to one lane between Elizabeth and Swanston streets, with the northern footpath closed to pedestrians adjacent to the La Trobe Street site
- The Little La Trobe Street northern footpath adjacent to the Little La Trobe Street site is closed to pedestrians


- The eastern entrance to Literature Lane is closed to traffic. Access to Literature Lane is via the western entrance off Little La Trobe Street
- The entire length of Stewart Street in a southbound direction is now one-way (unless otherwise advised)
- A'Beckett Street is closed between Swanston and Stewart streets and gantry walkways have been installed on both sides of A'Beckett Street
- A designated pedestrian access path has been installed around the laydown and storage area on the basketball courts on A'Beckett Street
- Local access for residents and businesses will be maintained at all times.


Look ahead for 2023



Program is indicative and subject to change

More information

 metrotunnel.vic.gov.au

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

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 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.



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