MONTHLY CONSTRUCTION UPDATE

ARDEN
JUNE – JULY 2019

Major construction of the Metro Tunnel is continuing at the Arden Precinct construction site. This update provides an outline of current and upcoming works in your area throughout June and July.

Construction snapshot
During April and May works were undertaken to construct the concrete base slab at the western end of the excavated station box. With the slab nearly complete, pieces of the first tunnel boring machine (TBM) to be launched from the Arden Precinct construction site have started being lowered into the station box and assembled, ahead of tunnelling starting later this year.

Work at the Arden Precinct construction site during June and July involves:

- Night-time oversize deliveries to and from site
- Station box excavation and installation of the station box frame (steel struts) at the eastern end of the station box
- Construction of the concrete base slab and removal of steel struts at the western end of the station box
- TBM assembly
- Surveying, and sampling and testing of groundwater and soil
- Slurry treatment plant and water treatment plant commissioning
- Modification to hoarding and gates on Laurens and Arden streets
- Transporting concrete from the concrete batching plant to other Metro Tunnel Project construction sites
- Ongoing site development activities
- Utility design investigations on Laurens Street
- Service investigations on Lothian Street.

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.

24 hours
24 hour works are sometimes required during peak construction activities. The timing of these works are outlined in the construction information overleaf.
WORKS IN YOUR AREA

**TBM assembly**

**Arden precinct construction site**  
Ongoing until October 2019

- Large cranes will be used to move and connect TBM pieces at ground level, as well as lower them into the station box
- The two TBMs will be assembled inside the station box using pneumatic (air-driven) wrenches, welding equipment and hand tools
- This work will be undertaken at night as well as during the day and is expected to generate low levels of noise.

**Station box construction**

**Arden precinct construction site**  
Ongoing until August 2019

- Construction of the concrete base slab and removal of steel struts from the western end of the station box will occur where the TBM pieces will be lowered in
- Strut removal works at the western end of the station box will also be undertaken from 7am to 6pm on Saturdays and Sundays until July 2019
- Station box excavation and installation of steel struts at the eastern end of the station box
- These activities will be undertaken at night as well as during the day and are expected to generate medium levels of noise
- Concrete pouring activities may commence before 7am, Monday to Saturday. This may include the early arrival of concrete trucks to site and operation of the concrete batching plant
- Unless otherwise notified, construction vehicles will enter and exit the site via Arden Street after 6pm.

**Site development activities**

**Arden precinct construction site**  
Ongoing until mid-2019

- Ongoing site development activities including construction storage, laydown areas and modifications to existing gates and hoarding on Laurens and Arden streets
- Survey, and sampling and testing of groundwater and soil
- Slurry treatment plant and water treatment plant commissioning
- Utility design investigations on Laurens Street. These investigations will involve the intermittent closure of Laurens Street down to one lane, with traffic flow maintained in both directions.

**Site investigations**

**Lothian Street**  
Mid-June to mid-July 2019

- Service investigations will be undertaken in Lothian Street, south of Arden Street
- This involves the use of non-destructive drilling (NDD) to locate underground services
- These activities are expected to generate periods of medium to loud noise
- Lothian Street will be closed to one lane during these works. Traffic flow will be maintained in both directions, with signage and traffic controllers in place.

**Traffic and transport impacts**

- Up to 200 trucks per day are expected to travel to and from site during June and July. Construction vehicles and trucks will access the site via Laurens and Arden streets
- Utility design investigations on Laurens Street will involve the intermittent closure of Laurens Street down to one lane, with traffic flow maintained in both directions. Signage and traffic controllers will be in place to direct vehicles, cyclists and pedestrians around the work area
- Service investigations on Lothian Street will involve single lane and footpath closures. Traffic flow will be maintained in both directions and signage and traffic controllers will be in place
- All trucks carrying excavated materials will be covered, and water carts and street sweepers will be used to minimise the spread of dust
- Rumble grids have been installed to remove debris from the wheels and carriages of vehicles to minimise the spread of dirt on local roads.
### LOOK AHEAD FOR 2019

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Program is indicative and subject to change.

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The first TBM piece is lowered into the station box

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More information

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

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

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