WORKS NOTIFICATION

CONSTRUCTION UPDATE – ARDEN PRECINCT
FEBRUARY 2018

Major construction of the Metro Tunnel is underway at the Arden Precinct construction site. The current phase of works involves ongoing site establishment and support facility construction, station box excavation and frame construction, and starting work on the station box base slab.

Ongoing works

Construction works are continuing at the site of the future North Melbourne Station throughout February and include:

- Delivery of slurry treatment plant and tunnel boring machine (TBM) parts to site, involving a number of over-size deliveries
- Ongoing site establishment activities
- Works to trim piles that support the station box
- Station box excavation and installation of the station box frame (struts)
- Surveying, and sampling and testing of groundwater and soil
- Concreting of internal haulage roads and installation of rumble grids
- Slurry treatment plant and concrete batching plant construction
- Modifications to wooden hoarding and gates on Laurens and Arden streets
- Short-term lane closures on Laurens Street between Queensberry and Miller streets to allow for service investigations, utility connections and gate modifications
- Road cleaning on Arden and Laurens streets to minimise the spread of dirt on local roads
- Pile foundation removal works.

For more information about these works, please visit metrotunnel.vic.gov.au
Out of hours works
Out of hours works will be required to support station box construction and excavation activities.
• All out of hours works are expected to generate low levels of noise
• After 6pm, all construction vehicles will enter and exit the site via Arden Street.

6pm – 10pm, Monday to Friday
• Station box excavation and installing steel supports (struts) inside the excavated station box. The struts will provide the structural frame that supports further excavation of the station box
• Base slab construction (see below).

10pm – 7am, Monday to Friday nights
• Station box excavation, installing steel supports (struts) inside the excavated station box and base slab construction will occur overnight, as well as during the day
• Over-size equipment deliveries to and from site, as required. These activities are not expected to be noisy. Due to the use of over-sized vehicles, these deliveries must be made at night when roads are quieter
• Use of a crawler crane to unload over size deliveries
• Concrete pouring activities may commence at 6.30am, Monday to Saturday
• Road cleaning on Arden Street will be undertaken at night, to reduce disruptions to traffic. Traffic flow will be maintained in both directions during this work.

Upcoming works
TBM assembly
From mid-February 2019
The first of two TBMs to dig the Metro Tunnel will be delivered to the Arden precint construction site from late January.
Over a period of approximately two weeks, the parts will be delivered to site by heavy vehicles.
Once at site, a crawler crane will be used to lift the TBM parts off the truck where they will be stored on site and, later, moved into the station box so that they can be assembled.

Station box base slab construction
Mid-February to late-March 2019
While excavation of the eastern section of the station box continues, a concrete base slab will be constructed in the western section of the box. This involves:
• Pouring a thin layer of concrete in the bottom of the excavated station box to create an even surface for base slab construction
• Coating the concrete base layer with a waterproof membrane
• Using a crane to lift steel reinforcement bars into the excavated station box and fixing them together to create a support frame
• Pouring concrete into the support frame to form the base slab

What to be aware of
• These activities are expected to generate low to medium levels of noise
• Up to 200 trucks per day are expected to travel to and from site during February. Construction vehicles and trucks will access the site via Laurens and Arden streets
• Intermittent closures of the western footpath on Laurens Street and up to six on-street parking spaces associated with man hole and service investigations, and utility connection works
• 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 are being installed to remove debris from the wheels of vehicles to minimise the spread of dirt on local roads.

When
• 7am – 6pm, Monday to Saturday
• Work activities after 1pm on Saturdays will be restricted to pile foundation removal, station box excavation and strutting, base slab construction and site establishment activities. These activities are expected to generate low levels of noise
• After 1pm on Saturdays, all construction vehicles will enter and exit the site via Arden Street
• All activities outside these hours are detailed in the shaded out of hours works section (left).
Asbestos removal

It is not unusual or unexpected for asbestos to be present in demolished industrial sites, as it was commonly used in construction material until the 1980s. Asbestos has been identified at this site and we anticipate that more asbestos will be found as works progress.

Removal of asbestos will be undertaken by qualified personnel, in accordance with WorkSafe Victoria's Compliance Code 2008 for Removing Asbestos in Workplaces. Removal of asbestos-containing materials by licensed removalists does not pose any safety risk to site staff or the public.

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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