



## Tunnelling and Blasting in your area - Tempe

Blasting and tunnelling will continue to move along towards the Cooks River. Tunnelling will continue 24 hours a day 7 days a week and blasting may occur Monday to Friday 9am to 5pm and Saturday in between 9am to 1pm. There will be no blasting on public holidays or Sundays.

### What we're doing

Tunnelling will continue in your area using roadheader and blasting techniques as required. Work will be approximately 58 metres underground and depending on the ground conditions, building type and existing background noise, it is possible that you will not notice the work.

There may be 2 roadheader passing underneath your property around the same time, with an anticipated tunnel advance rate of 25 to 30 metres each week. A roadheader is an excavation machine that has a rotating, rock-cutting head, mounted to a boom.

When the excavated material is cut, it falls at the front of the machine, where a loading device transfers the rock onto the roadheader conveyor system which loads the spoil onto underground off road haulage trucks. The roadheader machine travels on tracks and weighs around 135 tonnes.

Blasting is an alternative method of tunnel excavation to roadheader excavation, and is a common technique in the tunnelling, mining and civil industries.

In order to see the New M5 tunnel alignment in comparison to the location of your property please go to <https://gis.aecomonline.net/westconnex/newm5/>.

### How this affects you

You will not be able to hear the excavation equipment, but ground borne noise generated by tunnelling activities may be experienced inside your property at shallower depths.

Ground borne noise is created when vibration from tunnel excavation travels through the ground and causes the walls and floors of the building to faintly vibrate, creating audible noise.

### When

Continuous

### Hours of operation

Tunnelling - 24 hours a day 7 days a week.

Blasting - Monday to Friday 9am to 5pm and Saturday in between 9am to 1pm

### Where

Princess Highway and Smith, Barden, Fanning, Wentworth, Hart and Station Streets Tempe.

### For more information

Drop in to the Community

### We speak your language



Visit [westconnex.com.au](http://westconnex.com.au).

Need an interpreter?

Call the Translating and Interpreting Service on

131 450.

Notification No.368



Australian Government

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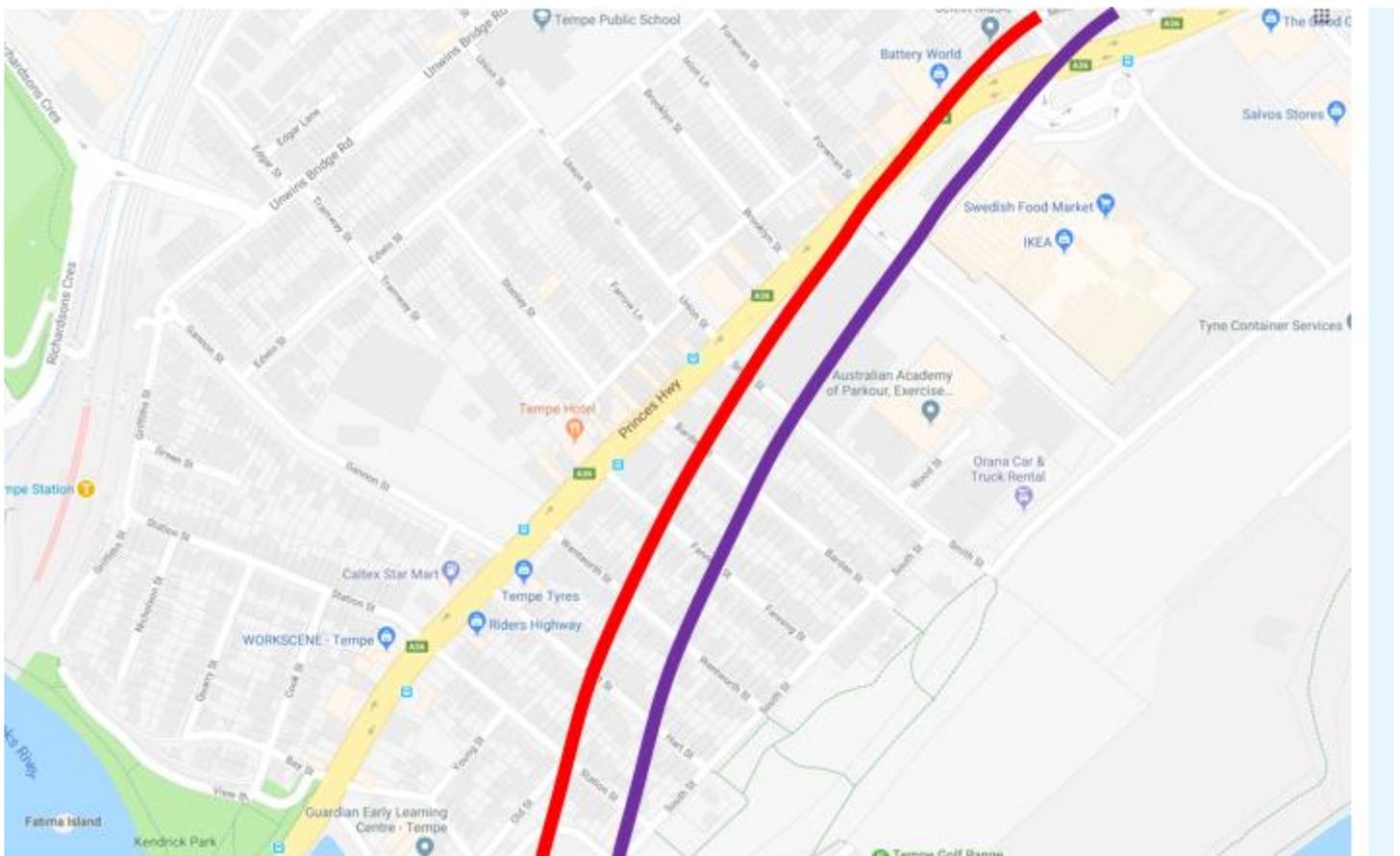


If blasting occurs residents may experience a low rumbling noise. Vibrations may also be experienced for approximately 10 seconds.

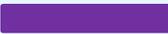
The expected vibrations have been modelled by experts in the field of blasting. Trial blasts have been carried out to confirm the models generated and vibration and will be monitored daily during blasting events.



Example of a typical road header



Tunnel Alignment

South Bound Traffic 

North Bound Traffic 

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