



Tunnelling in your area, Arncliffe

Over the next two to four weeks, tunnelling for the New M5 will be carried out 24 hours a day, seven days a week under Station Street, Wollongong Road, Farrar Street, Fripp Street, Athelstone Avenue, Fairview Street and Lorraine Avenue, Arncliffe.

What we're doing

Tunnel excavation will be carried out approximately 70 metres underground around these streets and it is unlikely you will notice work underneath your property.

Road headers are being used for tunnel excavation in this area. 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's conveyor system. Spoil is loaded onto underground off-road haulage trucks. The roadheader machine travels on tracks and weighs around 135 tonnes.

The anticipated tunnel advance rate is around 25 to 30 metres each week. Tunnelling will occur under individual properties for around a week for each tunnel. 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/>.

Cross passage tunnels are also being constructed to connect the eastbound and westbound tunnels. The cross passages will house mechanical and electrical equipment for the tunnel operation, and permit the motoring public to cross to the other carriageway in the event of an emergency.

Cross passages are located throughout the tunnel around 120 metres apart and will typically be excavated around two to three weeks after the main tunnels in that area are complete. A typical cross passage will take around one week to construct but may vary depending on ground conditions.

When

Ongoing

Hours of operation

24 hours - 7 Days a week

Where

Arncliffe

For more information

Drop in to the Community Information Centre

27 Burrows Road, St Peters NSW 2044

9am to 5pm
Monday to Friday
(excluding public holidays)

We speak your language



Need an interpreter?
Call the Translating and Interpreting Service on
131 450.

Notification No.409



Australian Government

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Constructed by



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. 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.

You may notice a low frequency rumble up to about 45dBA when the roadheader is working beneath your property. By comparison, a normal conversation is about 60dBA and a refrigerator is about 50dBA. This could occur for a period of about one week, depending on the size of your property, geological conditions and how far away you are from the tunnel.

Structural or cosmetic damage to your property as a result of the tunnel construction or operation is extremely unlikely; however, a free property condition survey is available to you as a record of the existing condition of your property. If you have not accepted a property condition survey offer, please contact the New M5 Property Team on 02 9384 3782. A post condition survey will also be completed. In the unlikely event any damage is caused to your property as a result of the project, repairs will be undertaken at no cost to you.

We apologise for any inconvenience this work may cause.

If you would like further information or would like to discuss the location of the site compound, please call 1800 660 248 and ask to speak to a member of the New M5 community engagement team or email info@newm5.com.au.

Tunnelling in Arncliffe



Example of a typical road header

