

February 2019

Controlled blasting near Bondi Hill, Tyndale

Roads and Maritime Services, Pacific Complete and its contractor partners are working together to deliver the upgrade.

From February 2019, we will be carrying out controlled blasting near Bondi Hill Road, Tyndale to break up rock to build the new highway.

What is happening?

Controlled blasting involves drilling a series of holes in a predetermined pattern in a section of hard rock, then loading the holes with appropriately sized explosives and detonating to break the hard rock ready for excavation, crushing, screening, stockpiling and transporting.

When and how often will controlled blasting occur?

There will be up to four controlled blasting events. The controlled blasting process will take about 30 minutes, with up to two blasts per week, weather permitting.

Blasting will be carried out between:

- 9am and 5pm weekdays
- 9am and 1pm on Saturdays

How will controlled blasting affect you?

Exclusion zones within 160 metres of the blast area will be in place during each controlled blast. There will be minimal potential noise and vibration effects outside the exclusion zone.

Why do we need controlled blasting?

Controlled blasting is the most efficient way to remove about 10,000 cubic metres of rock from within the project area near Bondi Hill.

How will we keep you informed?

The project team will contact residents within one kilometre of the controlled blast area by phone, email or SMS, 24 hours before each controlled blast takes place.

To register to receive these updates please contact us on 1800 778 900 or W2B@pacificcomplete.com.au

How we will manage potential impacts?

We have strict environmental controls related to managing noise and vibration. Controlled blasting will be completed in line with the project's Conditions of Approval and Construction Environment Management Plan.

How we will monitor potential impacts?

We monitor the noise, vibration and air blast overpressure (air pushed outwards from the source of an explosion) of each blast so we can compare expected results to actual results and refine blast design where necessary

How will we control vibration?

Vibration is controlled by adjusting the size and timing of the maximum instantaneous charge (MIC), which is the amount of explosive detonated at any particular instant.

The size of the MIC is adjusted so the limits for ground vibration and air blast over pressure for each sensitive receiver are not exceeded.

The size of the MIC is managed by using delays on the detonators so the controlled blast is set off in a predetermined sequence and by reducing or extending the length of each controlled blast.

The data recovered from the monitoring of each controlled blast, including an initial trial blast, is compared to the predicted effects, to enable the project team to further refine and carefully control each blast.

What we would like you to do?

To ensure the safety of residents and road users there will be an exclusion zone around the controlled blast site and access will be restricted.

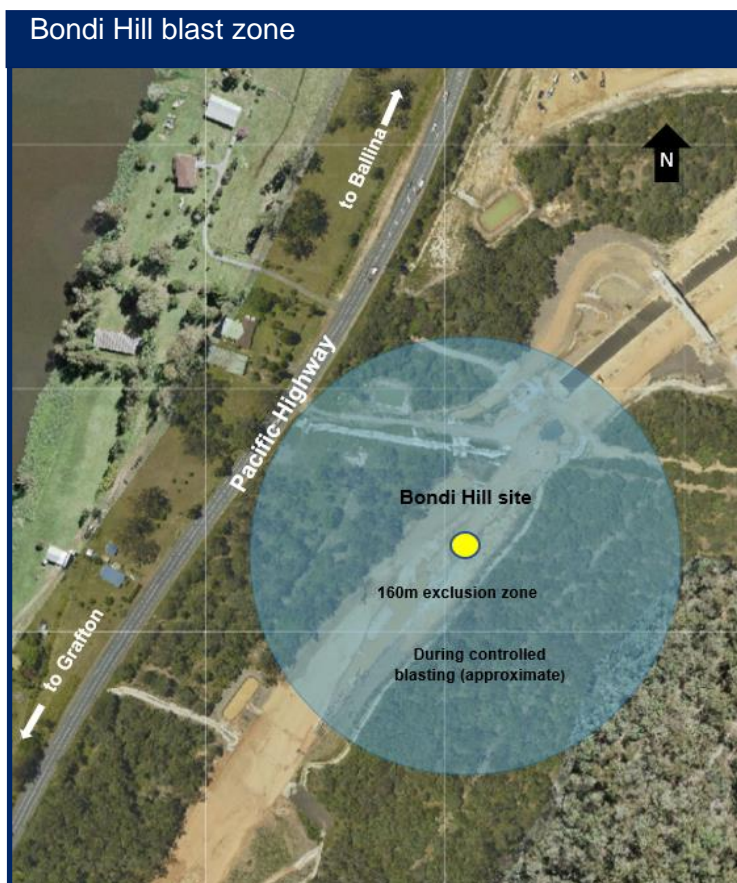
Traffic delays of up to five minutes can be expected on the Pacific Highway at Tyndale while controlled blasting is carried out.

Signage about traffic changes will be used for the safety of residents, road users and workers. Please obey directions given by traffic controllers and keep to speed limits.

How can you find out more information?

If you have any questions, please contact the Woolgoolga to Ballina project toll free line on 1800 778 900 dial 1, W2B@pacificcomplete.com.au or visit the project website pacifichighway.nsw.gov.au/W2B.

We apologise for any inconvenience and thank you for your patience during this important work.



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