The Department of Transport and Main Roads would like to advise residents and motorists about a low-impact controlled blast scheduled to take place on the Bruce Highway Upgrade – Caloundra Road to Sunshine Motorway.

The low-impact controlled blast will be undertaken next to the Bruce Highway southbound carriageway, near Tanawha Road in Tanawha, on Tuesday 10 December 2019 (weather permitting). The map overleaf shows the blasting location.

The blasting activity will take approximately 2 to 3 minutes between 10am and 2pm. The blast will break away part of the rock face in this area to create space for the upgraded southbound Bruce Highway carriageway.

The project team will use methods to minimise noise and vibration impacts. The blasting method used on this project involves directing the blast energy into the rock to fracture it, creating an implosion rather than an outward explosion.

Further details will be provided about a second similar blast that is planned for early 2020.

What to expect

- **Exclusion zone**: A safe exclusion zone will be in place at the site during the controlled blast. This is to ensure no members of the general public or local residents inadvertently approach the blast area. The project team will contact residents who are within the exclusion zone to discuss any potential impacts.

- **Blasting process**: The following procedure will be implemented to safely manage the blasting process and provide nearby residents with advance warning that a blast is about to occur:
  - The blast controller will ensure the area is secure and everyone is a safe distance from blasting.
  - The shot firer will sound a siren to indicate that the blast is imminent. The siren will be activated for around 30 to 60 seconds. Nearby residents may hear this siren.
  - The shot firer will apply a countdown sequence and fire the shot. The actual blast will take approximately five seconds.

- **Changed traffic conditions**: As a safety precaution, both northbound and southbound traffic on the Bruce Highway will come to a rolling stop between the Sunshine Motorway and Mons Road while blasting occurs. A local road closure will also be in place on Tanawha Road. A timeframe for the blast will be displayed on construction signage. *Delays should be expected and motorists are strongly advised to avoid this area and seek an alternate route during blasting.*

- **Rock hammering**: Rock hammering will occur during the day following the blast to break up large rocks into smaller pieces for removal from the site. This is likely to occur for up to eight weeks (weather permitting) after each blast.

- **Noise and vibration**: Residents can expect to feel vibration and hear some noise during the controlled blast, however, the levels are anticipated to be low. Vibration monitoring will be undertaken at multiple locations.

- **Walking track closures**: Pedestrians, cyclists and other track users should be aware that all walking tracks within the blast exclusion zone will be closed during the activity.

- **Increased construction traffic**: There will be an increase in heavy vehicles and machinery in the area following the controlled blast.

**Working hours**

The blast will be undertaken between 10am and 2pm. It is important to note that this activity is dependent on weather and site conditions.

*We thank the local community for your patience and cooperation during these vital works.*

**Stay up to date**

Subscribe to the free SMS and email service to receive updates about project activities and road closures.

To register, please visit the project website at [www.tmr.qld.gov.au](http://www.tmr.qld.gov.au) (search for ‘Caloundra Road Interchange’).
Low-impact controlled blast next to the Bruce Highway in Tanawha

Low impact controlled blast

Delays and traffic queuing should be expected and motorists are strongly advised to avoid this area and seek an alternate route during blasting.

Residents can expect to feel vibration and hear some noise during the blast however the levels are anticipated to be low. The blast will last a few minutes.

Contact us
Free call: 1800 749 022*
Email: brucehwycr2sm@tmr.qld.gov.au
Visit: www.tmr.qld.gov.au (search for ‘Caloundra Road interchange’)

*Charges may apply for calls from mobile phones and pay phones. Check with your service provider for call costs.

Bruce Highway motorists can expect queuing between 10am-2pm during the controlled blasting activity.

Tanawha Road closed here during the controlled blast.

KEY
- Blast zone
- Road closure
- Exclusion zone

Note: Map is not to scale and is indicative only.