

Bored piling for Luke Bowen Footbridge, Korora

Coffs Harbour bypass

October 2023



Australian Government



Transport for NSW acknowledges the Gumbaynggirr people as the Traditional Custodians of the lands on which we work and pays respect to Elders past and present.

The Australian and NSW governments are funding the \$2.2 billion, 14-kilometre Coffs Harbour bypass project. The bypass will boost the regional economy and improve connectivity, road transport efficiency and safety for all motorists.

As part of major construction, the Coffs Harbour bypass project is starting to build the new Luke Bowen Footbridge over the Pacific Highway, Korora.

What work are we doing?

Bridge construction starts with bored piling. There will be 10 piles required for this bridge and they will take between one and four days to complete. This work will involve:

- Building pads to create stable footings for piling rigs to sit on
- Transporting piling rigs to site via the Pacific Highway
- Drilling through soil and rock in the ground with piling rigs to form the pile holes
- Installing steel reinforcement cages into the holes
- Delivering concrete from the project's batch plant on Englands Road, North Boambee
- Pouring concrete into the pile holes to build the piles
- Using pneumatic drills (jackhammers) to remove concrete overpour

- Stockpiling soil and rock and transporting it for use on other areas of the bypass.

The next steps for construction of this bridge include building columns and the substructure before adding the steel trusses in 2024.

When and where we'll be working

Bored piling at this site will begin on **Wednesday 25 October 2023** and will take about **six weeks** to complete, weather permitting.

Working hours are **7am to 6pm, Monday to Friday and 7am to 1pm, Saturday.**

Bored piling will start on the western side of the Pacific Highway and will then move to the east.

We have provided a map showing the location of this work.

What will this mean for you?

The equipment and machinery we will use for this work includes a sawcutter, excavators, a vibratory roller, a piling rig, a crane, a pneumatic drill (jackhammer), concrete trucks and heavy vehicles to transport soil and rock.

Moderate, consistent noise will be heard from the piling rig when it is drilling. Louder clangs will occur towards the end of the digging operation to remove material from the rig's drill piece. To remove excess concrete, we will use a pneumatic drill (jackhammer) which is noisy.

Concrete deliveries will be made via the Pacific Highway, the entrance to Old Coast Road, James Small



Drive, Russ Hammond Close and Korora School Road. Temporary traffic control will be in place to assist with these movements. Motorists can expect reduced speed limits and delays of up to five minutes. For the safety of local residents and road users, some larger deliveries will be at night between **7pm and 7am**. Night deliveries will be quiet to moderate. The noise graphic below shows the comparison of noise levels.

Managing our impacts

We are using bored piles instead of driven piles which means we will drill holes for the piles rather than hammering them into the ground. This approach

Location of work area

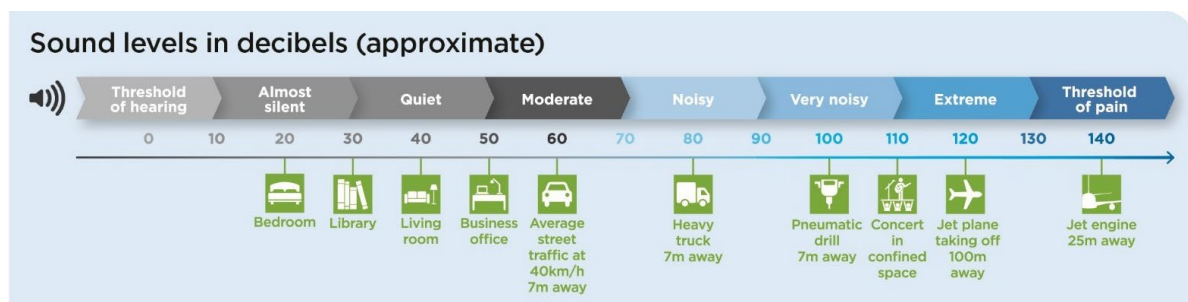
helps us break through the hard argillite rock in the Coffs Harbour area and is not as disruptive for nearby residents and businesses because it creates less noise and vibration.

The project's Environment Protection Licence (EPL) sets strict limits for construction noise and we undertake regular noise monitoring to ensure compliance.

We will position plant and equipment as far from nearby neighbours as possible during piling work and will schedule respite periods, as required.



Comparison of noise levels



Looking ahead

Upcoming construction work in this area includes:

- Earthwork along the alignment – this may include extended hours on Saturdays which will be notified separately
- Out of hours vegetation removal on the western side of the Pacific Highway at Korora
- Out of hours work to relocate the intersection of the Pacific Highway and Campbell Close about 500m north
- Out of hours work to remove the median strip from south of Korora bus interchange to north of Old Coast Road
- Out of hours traffic switch to move northbound Pacific Highway traffic east to allow construction of the new northbound carriageway
- Start of blasting at the cut sites to the north and south of Gatelys Road tunnel during approved construction hours

- Out of hours truck deliveries to working areas on James Small Drive (south), Bruxner Park Road, West Korora Road and Mackays Road
- Out of hours refuelling and plant and machinery maintenance along the alignment.

We apologise for any inconvenience and thank you for your patience as we build this important project which will boost the efficiency and safety for local and interstate motorists.

More information

We have prepared a number of fact sheets to provide further information. These are available at: pacifichighway.nsw.gov.au/coffsharbourbypass

- Fact sheet: Bored piling for bridges
- Fact sheet: Temporary concrete batch plant

Contact us



Project enquiries and complaints 24-hour telephone number **1800 550 621**



community@CHBteam.com.au



pacifichighway.nsw.gov.au/coffsharbourbypass



PO Box 565, Toormina, NSW 2452



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