

Bored piling on new Pine Brush Creek bridges, Korora

Coffs Harbour bypass

January 2024



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 building a bridge over Pine Brush Creek on the Pacific Highway between Old Coast Road and the James Small Drive northern entrance, Korora.

What work are we doing?

This work will be for a twin bridge with one for the northbound lanes and one for southbound lanes of the upgraded Pacific Highway. Each bridge requires seven bored piles with two abutments. This work will involve:

- Building pads to create stable footings for piling rigs to sit on
- Transporting piling rigs to site via the project's approved heavy vehicle routes
- 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.



To subscribe to the email distribution list for this project, please contact community@CHBteam.com.au

After the piling for the northbound bridge is completed, next steps include building abutments and the substructure. Once the northbound bridge is completed, Pacific Highway traffic will be switched to use this bridge before we start the southbound bridge.

When and where we'll be working

Bored piling will start on the western side of the Pacific Highway on **Monday 22 January 2024** and take about three weeks to complete before the next bridge starts. Working hours are **7am to 6pm, Monday to Friday** and **7am to 1pm, Saturday**.

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 concrete saw, 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 and the project's site compound which is north of Pine Brush Creek. 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 residents and road users, some larger deliveries will be at night between 7pm and 7am.

Night deliveries will be quiet to moderate. We have provided a diagram which shows the comparative 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 helps us break through the hard argillite rock in the Coffs Harbour area and is not as disruptive for nearby

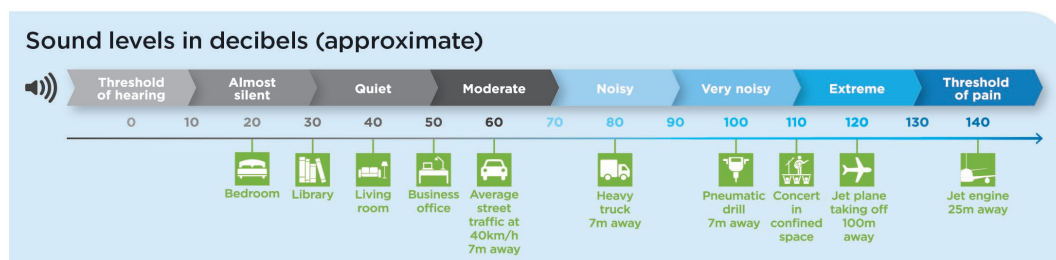
Location

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 and schedule respite periods, as required.



Comparison in noise levels



Looking ahead

Upcoming construction work in this area includes:

- Out of hours work including building pavement, removing vegetation and median, relocating barriers, installing signs and line marking and geotechnical investigations
- Out of hours traffic changes on the Pacific Highway
- Periodic out of hours street sweeping of the Pacific Highway lanes and shoulder
- Out of hours truck deliveries to working areas on James Small Drive, Old Coast Road, Bruxner Park Road, and West Korora Road
- Out of hours refuelling and plant and machinery maintenance
- Out of hours internal haulage route and environmental controls maintenance
- Out of hours concrete deliveries and pouring
- Building the Luke Bowen Footbridge and other bridges in this area
- Piling and building of retaining walls
- Demolishing buildings
- Carrying out bulk earthworks and installing culverts and drains
- Controlled blasting
- Installing and relocating fencing
- Revegetating areas in the project boundary
- Building and maintaining environmental controls.

Contact us



Project information and 24-hour construction response line **1800 550 621**



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coffsharbourbypass**



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