

# Bored piling between Roberts Hill and Shepherds Lane, Coffs Harbour

## 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 four bridges between Roberts Hill and Shepherds Lane, Coffs Harbour.

### What work are we doing?

Bridge construction starts with bored piling. Each bridge will have between six and 50 piles. A pile generally takes about eight hours 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 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.

The next steps for construction of these bridges includes building columns and the substructure before adding the bridge deck.

### When and where we'll be working

We'll be working on the piling for the bridges between Roberts Hill and Shepherds Lane from **November 2023 to May 2024**, weather permitting.

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

We have provided maps showing the locations of the bridge work.

### What will this mean for you?

The equipment and machinery we will use for this work include a piling rig, a crane, 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.

The noise graphic overleaf shows the comparison of noise levels.

Concrete deliveries will be made via Coramba Road and Shepherds Lane. 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.



## 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 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.

## Looking ahead

Upcoming construction work in this area includes:

- Out of hours delivery of concrete from the batch plant at Englands Road, North Boambee to sites between Roberts Hill and Shephards Lane to meet construction requirements

- Out of hours refuelling and plant and machinery maintenance along the alignment
- Earthwork along the alignment – this may include extended hours on Saturdays
- Controlled blasting at various locations along the alignment.

We apologise for any inconvenience and thank you for your patience as we build this important project.

## More information

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

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

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## Contact us



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



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**[pacifichighway.nsw.gov.au/coffsharbourbypass](http://pacifichighway.nsw.gov.au/coffsharbourbypass)**



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## Bridge sites near Coramba Road



## Bridge sites near Shephards Lane



### Comparison of noise levels

