

# Out of hours concrete pours for bridge over North Coast Railway line

## Coffs Harbour bypass

September 2024



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 investing in the 14-kilometre Coffs Harbour bypass project. The bypass will boost the regional economy and improve connectivity, road transport efficiency and safety for all motorists.

### What work are we doing?

As part of major construction, the Coffs Harbour bypass needs to do continuous concrete pours for some activities to meet temperature limits and ensure quality and integrity as it cures. We will be building concrete piles in this area for a 250m-long bridge over the North Coast Railway line and rail safety walls, near Shephards Lane

For the bridge there are 24 piles and for the safety walls there are 28 piles. Piles will have diameters of between 90 and 210 centimetres.

When doing piles, it is important that drilling of the foundation and concreting is completed in the same day to minimise the possibility of the hole collapsing. On occasions, drilling takes more time when we hit harder rock than expected.

When building the bridge sub-structures, some of the concreting activities include columns, headstocks, abutments, and decks. These activities also require continuous concrete pours. This means the continuous concrete pouring starts earlier in the day and may run until midnight.

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

### When we'll be working

From **September 2024** until **early 2025**, we will carry out bored piling and concrete pours for the bridge and the wall.

To allow for continuous pouring some concrete work will be outside of our approved construction hours. These pours will be between **6am and 7am** and between **6pm and 2am** from **Monday to Friday**. There may also be some out of hours work on Saturdays.

### What will this mean for you?

Equipment to be used for this work includes a drill rig, pilling rig, crane, pneumatic drill (jackhammer), concrete trucks, concrete pump, light vehicles and heavy vehicles to transport soil and rock.

Moderate, consistent noise will be heard from the piling rig when it is drilling. Louder clangs occur to remove material from the drill piece. To remove excess concrete, we use a jackhammer which is noisy.

For the work outside of approved construction hours, the equipment we will use includes concrete trucks, concrete pump, light vehicles and light towers. The predicted noise level for this work is expected to be quiet to moderate.

We have included an illustration of comparative noise levels.

Concrete deliveries will be made from our batch plant on Englands Road via West High Street, Don Patterson Drive and Shephards Lane.



## Managing our impacts

The Minister's Conditions of Approval (MCoA) for the project sets strict requirements for work outside of approved construction hours and noise, vibration, and dust management.

To ensure compliance and mitigate impacts, we:

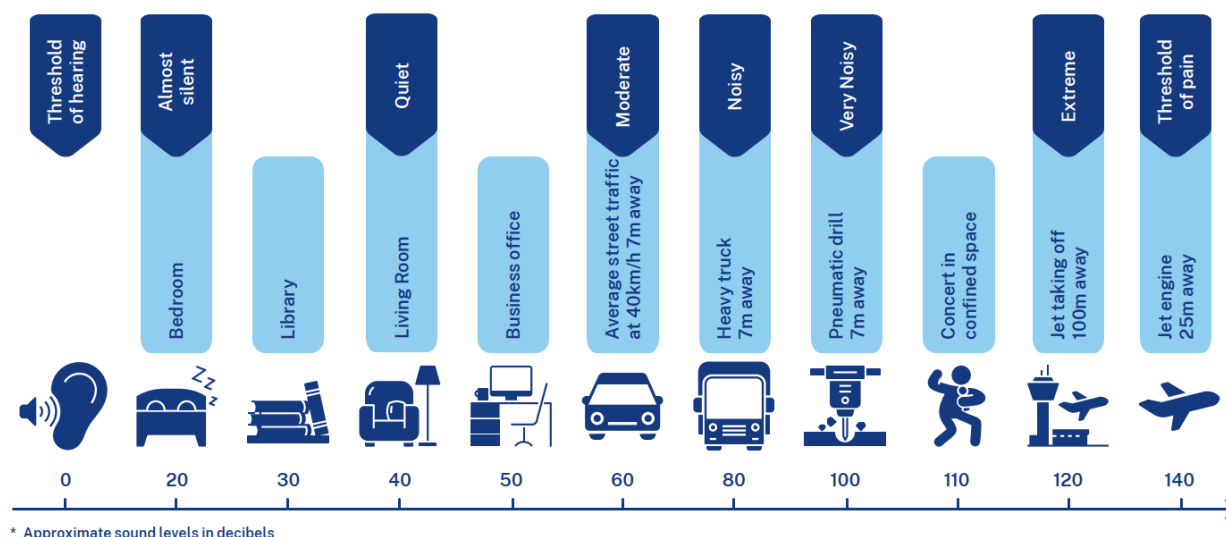
- Monitor noise levels, dust and vibration

- Turn off plant and machinery when not in use
- Use non-tonal reversing beepers and instruct workers to keep noise to a minimum
- Position plant and equipment as far from nearby neighbours as possible.

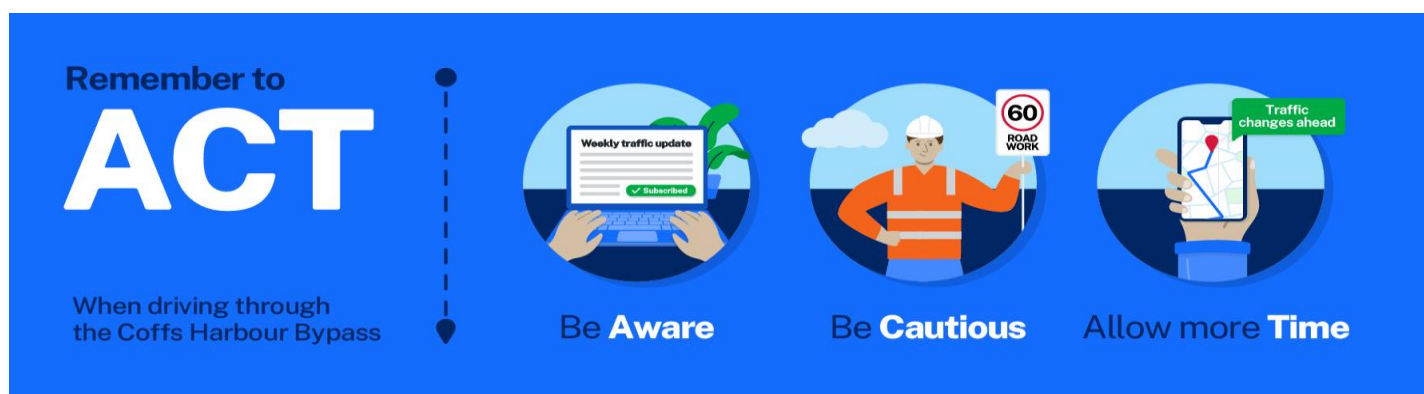
## Location



## Comparison in noise levels



## Remember to ACT



### Do you want to receive updates on this out of hours work?

To subscribe to receive SMS notifications about when we are doing out of hours concrete pours for the bridges near Shephards Lane, please contact the project team on 1800 550 621 or email [community@chbteam.com.au](mailto:community@chbteam.com.au).

### Out of hours construction work

Current and upcoming out of hours construction activities in these areas include:

- Building bridges including delivering and installing precast elements
- Delivering machinery using the project's approved heavy vehicle routes
- Carrying out survey, geotechnical and pavement investigations, including some out of hours work
- Maintaining and refuelling plant and machinery and maintaining internal project haulage routes
- Maintaining environmental controls and internal haulage routes, including some out of hours work
- Delivering and pouring concrete and asphalt

## Contact us



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



View our **community information van** timetable



**[community@CHBteam.com.au](mailto:community@CHBteam.com.au)**



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