



Australian Government



**mainroads**  
WESTERN AUSTRALIA

# New Fitzroy River Bridge Project

## Piling works

The first stage of constructing the new Fitzroy River Bridge involves piling works, which requires 34 piles between 30 and 40 metres to be driven into the riverbed.

Some residents living close to the bridge may experience some noise and vibrations due to these works, which will be ongoing from June until August 2023.

### What are piling works?

To create a strong bridge, we need to drive the piles that hold the bridge up, into the riverbed.

To ensure these new piles are stable and cannot be washed away with the next flood, these piles will be driven into the ground to depths of between 30 and 40 metres. The old bridge had piles that went 12 metres into the ground.

This work will be carried out by up to four large cranes. The cranes will work from the west side (town side) of the river, finishing each pile before it moves to the next section, finishing on the east side (Lodge side).



### Why does it cause noise and vibrations?

To drive the piles into the ground, the project team uses hammering and vibratory techniques.

The hammering, which creates a banging sound can be noisy, however, depending on the weather conditions, the distance the noise travels will vary.

When the piles are vibrated into the riverbed, the vibrations can travel from the piles and through the ground.

## Managing construction impacts

The project team will minimise noise and vibrations through careful planning of the works and the implementation of controls on noise and vibrations.

The construction team have developed project-specific management plans that help to reduce the impacts of piling works. These plans include a range of methods to reduce the disruption to nearby residents including:

- Working day shift and only night shift if critical.
- Taking regular breaks to provide respite to the community.
- Using the quietest equipment available.
- Undertaking noise and vibration monitoring.
- Informing the community of the works and potential impacts.

Nearby residents are likely to feel some vibrations from the construction activities. Low levels of vibration can cause glass and light fixtures to vibrate, windows to shake and external screens to rattle. However, this should cause no damage to property. Some people can also be sensitive to vibrations and may feel unsettled by the sensation.



## Further information

If you would like further information, have any questions or concerns, you can:

Phone: 138 138

Email: [enquiries@mainroads.wa.gov.au](mailto:enquiries@mainroads.wa.gov.au)

You can also subscribe to receive regular updates directly to your inbox by registering your email on the project's webpage:

<https://www.mainroads.wa.gov.au/new-fitzroy-river-bridge/>