

## Work outside of normal construction hours for the new Grafton bridge project

The NSW Government is funding the new \$240 million Grafton bridge. As part of the project, work outside of the normal construction hours will be required a number of times between now and the end of the year.

As part of building the new Grafton bridge, some work outside of normal construction hours will be required between **Monday, 20 November** and **Friday, 22 December, 2017**.

The work outside of normal hours is necessary because we are pouring concrete to make the piles and piers the new bridge will sit on. For these large structures, we need to pour concrete during cooler periods, which are generally in the early morning. This is because high temperatures can affect the quality of concrete. Prior to pouring, preparation work of a few hours is required.

When pouring a pile, the preparation work cannot be done the day before because the pile hole needs to be cleaned within six hours of pouring the concrete.

When pouring a pier, an early morning start is required to ensure concrete arrives at the pier location as cold as possible.

We have looked at all options to complete the work during a more suitable time, including changing the method used and the mix and type of concrete. However, none are feasible at this time.

The approved construction hours for the project are Monday to Friday 7am to 6pm and Saturdays from 8am to 1pm. The proposed work outside of normal construction hours includes:

- Monday to Friday **7pm to 6am** (we expect work during these hours will only be required **10** times between November and December)
- Saturday **7am to 8am** and **1pm to 5pm** (we expect work during these hours will only be required **four** times between November and December).

A full list of the potential work outside of normal hours is included below, as well as a map of the working locations. It includes details of the work locations, the approximate timing and number of occurrences to complete each activity.

## Work required

For pile pours, the night work will include cleaning a pile hole (which has already been drilled), installing reinforcing cages and pouring concrete for the piles. It will involve the use of concrete agitators, a concrete pump, lighting towers, hand tools and, for river piles, the use of the barge.

For pier pours, the night work will include wetting the construction joints, setting up the concrete pump and pouring the concrete for the pier. It will involve the use of concrete agitators, a concrete pump, concrete vibrators, lighting towers and a generator.

The Saturday work will include cranes, lifting equipment, smaller concrete pours, maintenance, unloading equipment and welding.

### Expected work outside normal hours (November to December 2017)

Location	Expected out of hours activity	Number of events	Proposed work hours	Nearest potentially affected residents
Piles (Pier 4)	Cleaning the pile hole (which has already been drilled), installing reinforcing cages and pouring concrete	Twice in November	Between 7pm and 6am	Greaves Street and Riverside Drive
Piles (Pier 5)		Twice in December	Between 7pm and 6am	Greaves Street and Riverside Drive
Piles (Pier 6)		Twice in December	Between 7pm and 6am	Greaves Street and Riverside Drive
Pier 7	Wetting construction joints, setting up the concrete pump and pouring concrete	Twice in December	Between 7pm and 6am	Greaves Street
Pier 8		Twice in December	Between 7pm and 6am	Greaves Street
Southern bank of the Clarence River	Crane work, smaller concrete pours, maintenance, unloading equipment and welding	Four times in November and December	Saturdays from 7am – 8am and 1pm – 5pm	Riverside Drive

## How does the work impact me?

There will be some impacts associated with this work. We will mitigate these by:

- erecting temporary fences with acoustic mats around various noise sources
- fitting machines with reversing 'squawkers' rather than 'beepers'
- directing light towers downwards to reduce light spill
- directing trucks through works sites rather than residential streets as much as possible
- turning machines off when not in use
- changing concrete vibrator tips to rubber-sheathed ones
- using one generator which can be silenced instead of using multiple small motors
- reducing the number of trucks on site prior to 7am
- planning activities to minimise noise from reversing vehicles
- parking trucks away from residential areas as much as possible
- monitoring noise.

## Work locations for Grafton bridge



## Contact us

If you would like to make an enquiry or complaint, or to register your general feedback, please contact the Community Relations Team on 1800 918 759. Alternatively you can email

[graftonbridgecommunity@fultonhogan.com.au](mailto:graftonbridgecommunity@fultonhogan.com.au); write to PO Box 546 Grafton, NSW 2460 or visit the Community Display Centre at the corner of Duke and Pound streets, Grafton.

For more information on this project, visit [www.rms.nsw.gov.au/graftonbridge](http://www.rms.nsw.gov.au/graftonbridge).



If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 918 759