

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 January and April.

As part of building the new Grafton bridge, some work outside of normal construction hours will be required between **Monday, 22 January** and **Monday, 30 April 2018**.

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, as well as the bridge abutments. 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.

We expected to complete the majority of this work before Christmas, but were unable to do so due to unforeseen delays.

We understand there were some noise impacts with our work prior to Christmas. We have taken community feedback on board and will implement changes to our procedures to reduce the chances of similar occurrences.

Based on our work prior to Christmas we have looked at ways to complete this work during normal construction hours. This has included inserting cooling tubes and ice into the concrete mix to reduce its temperature. However, these methods have not proved effective enough, meaning early starts are our only option.

When pouring a pile or abutment, the preparation work cannot be done the day before because the pile and abutment holes need 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.

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 **5am to 7am** (we expect work during these hours will only be required **13** times between January and April)
- Saturday **7am to 8am** and **1pm to 5pm** (we expect work during these hours will only be required **12** times between January and April).

Details of the proposed work, location, the expected timing and number of events required to complete each activity are provided as well as a map of the work locations.

Work required

For pile and abutment pours, the work will include cleaning the pile and abutment holes (which have already been drilled), installing reinforcing cages and pouring concrete. They 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 proposed Saturday work will include cranes, lifting equipment, smaller concrete pours, maintenance, unloading equipment and welding.

Proposed work outside normal hours (late January to April 2018)

Location	Expected out of hours activity	Number of events	Proposed work hours	Nearest potentially affected residents
Two piles (Pier 6)	Drilling, cleaning the pile hole, installing reinforcing cages and pouring concrete	Twice in late January	Between 5am and 7am	Greaves Street
One pile (Pier 7)	Drilling, cleaning the pile hole, installing reinforcing cages and pouring concrete	Once in February-March	Between 5am and 7am	Greaves Street
Pier 8	Concrete pours	Two times in February-March	Between 5am and 7am	Greaves Street
Southern river bank (abutment A)	Drilling, cleaning the pile hole, installing reinforcing cages and pouring concrete	Two times in March-April	Between 5am and 7am	Riverside Drive
Pier 2	Concrete pours	Two times in March-April	Between 5am and 7am	Riverside Drive
Pier 3	Concrete pours	Two times in March-April	Between 5am and 7am	Riverside Drive
Pier 4	Concrete pours	Two times in March-April	Between 5am and 7am	Riverside Drive
Southern bank of the Clarence River	Drilling pile holes, crane work, smaller concrete pours, maintenance, unloading equipment and welding	12 times between February and April	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 and away from residences 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; 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.



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