

Bridge segment construction program for the new Grafton bridge project

The NSW Government is funding the new \$240 million Grafton bridge. As part of the project, a temporary pre-cast concrete facility has been established in the industrial area at Through Street, South Grafton. The facility is making the concrete segments which will be used to build the new bridge.

A total of 176 segments are required for the new bridge.

From **12 February** until **Friday, 16 February**, three segments are expected to be poured each week, weather permitting.

From **Monday, 19 February**, until the **end of March**, production is expected to increase to five segments a week, weather permitting.

Pouring concrete for the bridge segments will start at **6am** and will be completed by **8pm** on the same day. This work is not expected to generate much noise, and we anticipate minimal impacts for nearby residents. Normal construction hours for the project are 7am to 6pm Monday to Friday and 8am to 1pm on Saturdays.

In March the program will be reassessed and a new program developed. This future program might include overnight work but nearby residents will be consulted before any night work starts.

The pouring of segments is expected to be completed by the end of October, weather permitting.

The finished segments are 16 metres wide and 2.4 metres long. They vary in weight from about 61 to 75 tonnes and in height from three metres to 4.5 metres. They will be stored at the temporary pre-cast facility until the bridge piers are completed. Once the piers are finished the segments will be installed over the Clarence River.

Work required

The segments are made using two reusable moulds which are about 18 metres wide, three metres long and six metres high. The moulds are fixed to a concrete slab in the pre-cast facility. After a pour, the moulds are stripped of any concrete, cleaned and oiled, and reassembled. The pre-prepared steel reinforcement cages are then placed in the mould and closed in preparation for the next concrete pour. The preparation work for the concrete pour takes about 11 hours.

The machinery used to carry out this work will include:

- cranes
- compressors
- power tools
- light vehicles.

Concrete pours will take about five hours. The machinery used to carry out this work will include:

- concrete pump
- service crane
- concrete agitators
- trucks
- pumps
- vibration equipment
- light vehicles.

The concrete will be sourced from a local supplier in an industrial area in South Grafton.

How does the work impact me?

The location of the pre-cast facility in an industrial area minimises impacts on the community.

There will however, be some impacts associated with the concrete pours. We will mitigate these by:

- erecting temporary fences with acoustic mats around various noise sources
- fitting machines with reversing 'squawkers' rather than 'beepers'
- turning machines off when not in use
- changing concrete vibrator tips to rubber-sheathed ones
- planning activities to minimise noise from reversing vehicles
- parking trucks away from residential areas
- monitoring noise.

If you are impacted during the work, project staff are contactable via 1800 918 759 to address your concerns.

The project team appreciates your patience and understanding during this work and apologises for any inconvenience it may cause.

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

griftonbridgecommunity@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/griftonbridge.



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