

4 September 2017
Ref: N0171

Installation of a tower crane for the NorthConnex project at the Southern Interchange Compound

Dear Resident,

As part of the construction of the Permanent Motorway Facilities, a detention basin will be constructed and the existing acoustic shed will be demobilised.

To facilitate this work, a crane will need to be installed at the site and be in place until mid 2019. Installation of the crane will commence at 4.00pm on Saturday 9 September and may take up to 3 days to complete. If the work is unable to be completed on these days it will be carried out on the next available night shifts or the following weekend commencing Saturday 16 September 2017.

Traffic changes, traffic controllers and pedestrian management will be in place to ensure the safety of motorists, residents and workers.

A horizontal boom tower crane is the preferred option due to its efficiency, cost and less community impacts compared to an articulated boom tower crane. The crane will not lift any loads above residential properties, however to have the crane erected and operated safely, the horizontal boom will slew over identified properties. When not in use, the crane cannot be locked in a fixed position and requires some flexibility to move silently with the wind.

About the crane

A horizontal boom tower crane is the preferred type of crane to be installed as it reduces the impact of noise and disruption for the community. These types of cranes are commonly and successfully used in residential and mixed use areas across Sydney.

The horizontal boom tower crane would:

- be installed in August 2017 and be in place until mid 2019
- operate during standard construction hours (7am to 6pm Monday to Friday, and 8am to 1pm Saturday)
- not lift loads over neighbouring properties at any time
- only operate at night or weekends in accordance with the Environmental Protection Licence
- be quieter than other crane options, as the diesel generator is located at ground level and noise can be reduced by acoustic shielding and noise blankets
- be more efficient and operate faster with less assembly and disassembly than other crane options, meaning less disruption and road closures over a shorter time period during assembly and disassembly
- not have any illuminated advertising signage, however, there will be minimal safety lighting required.

As the crane will not carry a load across residential property there is no risk of damage to properties.



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Installation of the crane will be done after hours to minimise disruptions to traffic.

Plant and equipment used for installation of the crane

- 25 tonne franna crane
- Lighting towers
- Hand tools
- Heavy vehicle deliveries.

What are we doing to minimise impacts?

- During installation and operation, as much plant as possible will be positioned behind the noise wall.
- Plant on the detention basin side of noise wall will have sound mats erected around them.
- Noisy work will be scheduled early in the night where possible.
- Where possible lights will be directed away from private residents, lighting balloons will be used to provide light for the erection crew. The crane will be positioned to keep these lights away from private property and traffic on Pennant Hills Road.

Traffic changes, traffic controllers and pedestrian management will be in place to ensure the safety of motorists, residents and workers.

We thank you for your patience, and if you have any questions or complaints, please don't hesitate to call us on **1800 997 057**, email enquiries@northconnex.com.au or visit the NorthConnex Community Information Centre at 118 Yarrara Road, Pennant Hills, open Monday to Wednesday from 9am to 1pm.

Yours sincerely

NorthConnex Project Team

Location of Work

