

Gateway UPGRADE NORTH

Date: 16 February 2016
Ref no: CN0015

Bridge preparation and piling works: Gateway Motorway bridges over Sandgate Road/Braun Street and the Shorncliffe rail line

As part of the Gateway Upgrade North project, piling works associated with widening the southbound bridge over Sandgate Road/Braun Street and the Shorncliffe rail line will begin in late February 2016.

These works will be undertaken progressively in five stages (refer to the map overleaf) and will take approximately five months to complete.

Piling works include:

- drilling 11 holes in the ground, 20-40m deep, at the locations of each new bridge foundation using a piling rig
- installing a tube-shaped steel liner into each pre-drilled hole using a piling rig and vibratory hammer
- pouring concrete into each steel liner and allowing it to set, creating the bridge foundations.

Please refer to the attached *Piling Fact Sheet* for more information.

Standard working hours:

A combination of day and night works will be required to complete the piling works, with day works undertaken wherever possible.

Working hours include:

- **Day works:** Monday to Friday, 7.00am to 6.00pm and Saturday from 8.00am to 1.00pm.
- **Night works:** Sunday to Thursday, 6.00pm to 7.00am.

Stage One working hours:

During Stage One (refer to the map overleaf), most piling activities will be undertaken during the day.

However, concrete pours will be completed at night between 6.00pm and midnight, when temperatures are cooler, to minimise the potential of cracking within the concrete.

All works are subject to weather and construction conditions.

What to expect:

During piling works, nearby properties and motorists can expect:

- increased noise levels due to the use of heavy machinery including a piling rig, vibratory hammers, cranes, trucks, concrete equipment and demolition tools (eg. jackhammers, saw cutters)
- low levels of vibration during installation of the steel liners
- increased construction traffic accessing the work site with flashing lights and reversing beepers for safety
- regular movement of piling rig between piling locations
- localised traffic changes on the Gateway Motorway, Sandgate Road and Braun Street, including placement of traffic barriers and other traffic control devices, lane closures, reduced speed limits and police/traffic control
- localised pedestrian/cyclist changes, including along the shared pathway beneath the bridges
- changed car parking arrangements at North Boondall train station.

Bridge preparation night works – February/March 2016

Prior to piling in each area, night works will be carried out intermittently from mid-February to late March 2016 to prepare the bridge for widening. Activities will include:

- removal of concrete edge protection barriers and coring investigations across the bridge
- construction of level working areas on the Gateway Motorway, including the installation of metal support bars into the ground to create stable surfaces on which to construct the working platforms
- vegetation clearing and traffic barrier placement on Sandgate Road/Braun Street beneath the bridges.

These works will involve the use of cranes, trucks, elevated working platforms, excavators, jackhammers, saw cutters and chainsaws. **Increased noise levels can be expected.**

Due to the nature of works, these activities must be undertaken at night when traffic volumes on the Gateway Motorway are lower.

Night works will be undertaken between Sunday and Thursday from 6.00pm to 7.00am.



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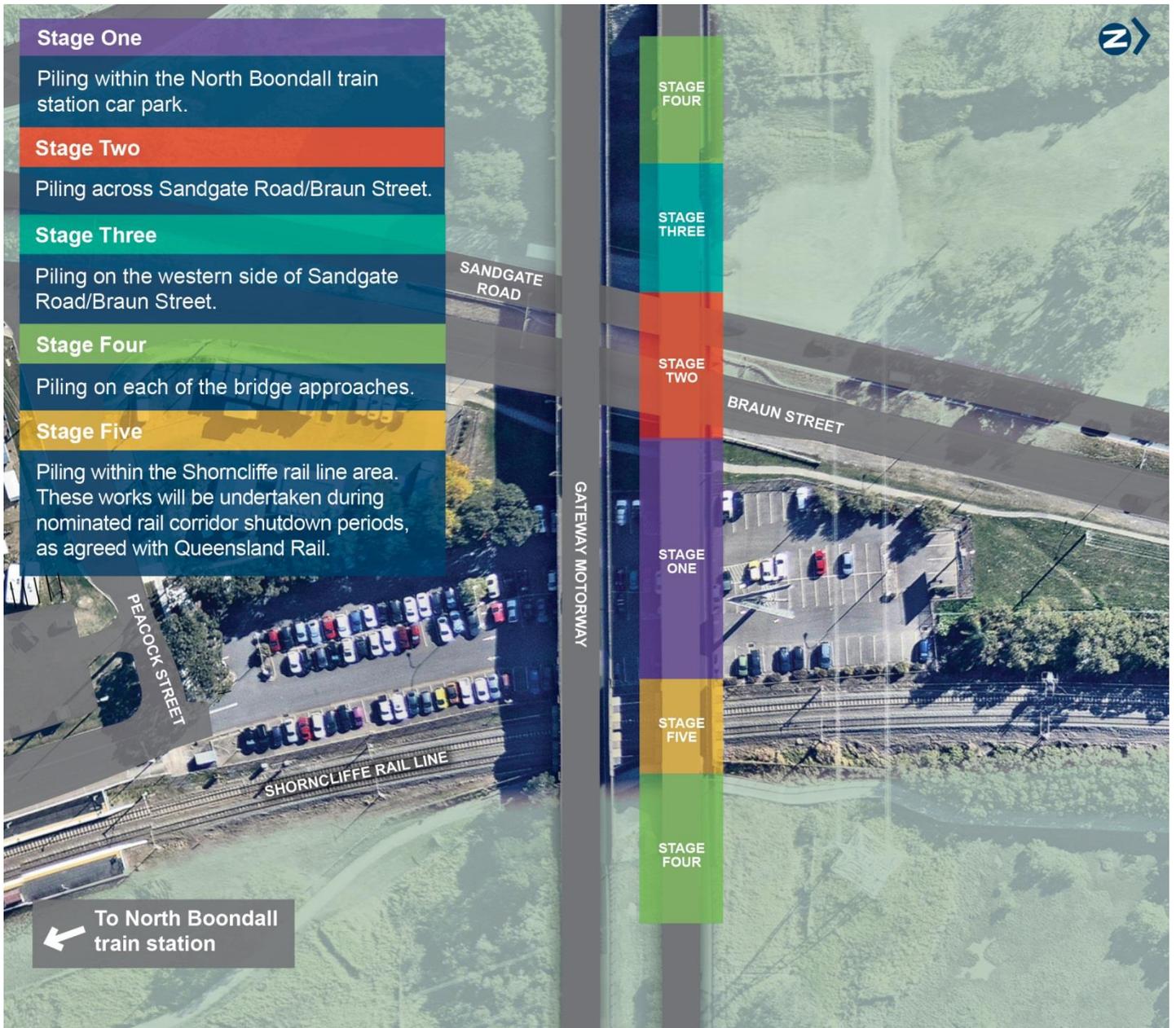
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Contact details

The project team is committed to working with the community to better understand your views and ensure the successful delivery of the Gateway Upgrade North project.

You can contact the project team via:

✉ contactus@gatewayupgradenorth.com.au

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For up-to-date project information and to subscribe to project updates visit www.gatewayupgradenorth.com.au and click on the subscribe link.

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