KINGSFORD SMITH DRIVE UPGRADE

Designed and constructed by

lendlease

An initiative of

BRISBANE CITY

Dedicated to a better Brisbane

FACT SHEET

River walk

What is the river walk?

The river walk will be a riverside promenade and cycle path cantilevered structure extending out over the river and running parallel to Kingsford Smith Drive from Cameron Rocks Reserve to Bretts Wharf. The structure is fully separated from traffic, providing enhanced opportunities for leisure and recreation.

A key feature of the upgrade, the river walk will enable residents and visitors to explore this well-known but less frequently visited reach of the Brisbane River. The river walk will include rest stops with viewing platforms, plantings, seating and shade canopies.

How will it be built?

The river walk is a concrete structure that will widen Kingsford Smith Drive into the Brisbane River by approximately 10 to 15 metres. It will consist of a retaining wall and a cantilever, that together will support the new road and shared user path.

The majority of works will be undertaken from temporary rock platforms built on the river's edge, decreasing impacts on Kingsford Smith Drive traffic.

Construction of the river walk structure will be undertaken between 7am and 6pm Monday to Friday (7am and 5pm Monday to Friday for piling activities) and between 8am and 1pm on Saturday.

During construction of the structure, due to tide levels in the Brisbane River, some work may be required outside of these hours. Impacted residents will be notified prior to these activities.

Marine construction area

A marine construction area will be established along the northern bank of the Brisbane River from Cameron Rocks Reserve to Bretts Wharf Ferry Terminal from late October 2016. This area will be clearly marked with buoys to ensure the safety of the project team and existing river users.

The speed limit in the river immediately adjacent to the marine construction area will be reduced to six knots during construction to minimise wash. All changes have been prepared in close consultation with Maritime Safety Queensland.

Construction staging

Construction of the river walk will be carried out between late October 2016 and mid-2018.

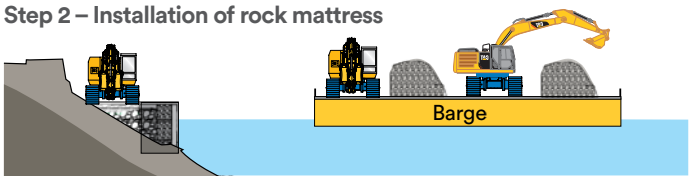
KINGSFORD SMITH DRIVE UPGRADE

FACT SHEET

Step 1 – Marine construction area establishment

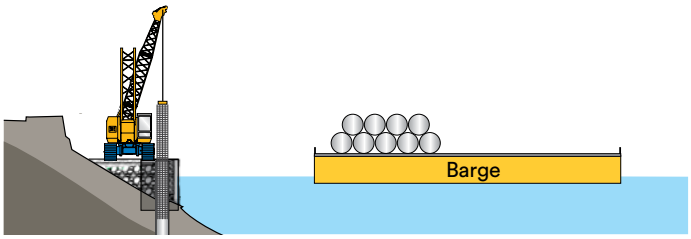
The first activity will involve repositioning the cruise ship terminal navigation beacon and demolishing the existing marine structures in the marine construction area, including existing pontoons and jetties. The main concrete retaining wall will then be constructed using two work fronts – one at Cameron Rocks Reserve and one at Bretts Wharf. Both work fronts will move towards the centre of the structure.

Step 2 – Installation of rock mattress



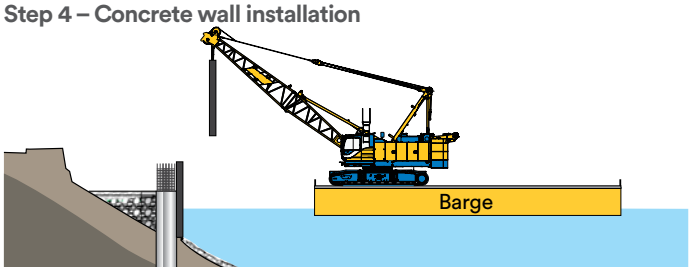
Working from the Brisbane River using excavators, the team will install a concrete mattress to stabilise the river bed and prepare for piling activities.

Step 3 – Piling



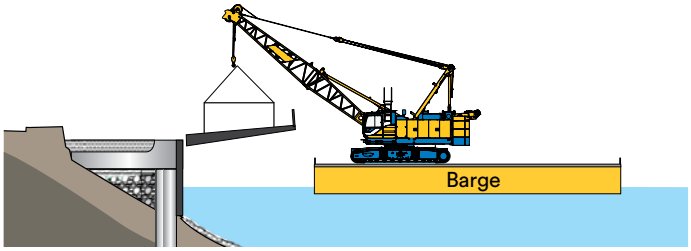
A drill rig and crane will install circular steel casings which will be drilled out to create piles. These piles will support the retaining wall. A crane will lift a steel reinforcing cage into the bored hole and concrete will be placed in the pile.

Step 4 – Concrete wall installation



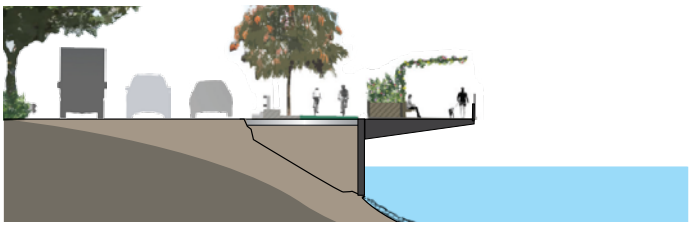
A barge-mounted crane will lift precast concrete wall panels into place to form the main element of the retaining wall. A concrete slab will then be poured behind the wall.

Step 5 – Structure cantilever slab



The barge-mounted crane will place precast cantilever panels into position. These panels will be up to 50 tonnes in weight and will provide the formwork for pouring the concrete deck.

Step 6 – Road pavement



The road pavement is then installed on top of the structure with the final road furniture and line marking.

What to expect

- Most of the works will be conducted in the marine construction area from the Brisbane River to decrease traffic impacts on Kingsford Smith Drive.
- Construction equipment such as excavators, cranes and drill rigs will be in use throughout works. Some works will also use barges on the river, particularly for the delivery of equipment. There will be noise associated with the use of this construction equipment.
- Piling can result in increased levels of noise and vibration.
- Noise associated with the use of equipment such as excavators.

Working with the community

Lendlease is committed to minimising impacts on local residents during construction of the Kingsford Smith Drive upgrade and we look forward to working with you throughout construction.

If you would like more information regarding piling activities, please contact the Community Relations Team via:

1800 084 383

info@ksdupgrade.com.au

www.ksdupgrade.com.au

Phone: 1800 084 383
Email: info@ksdupgrade.com.au
Web: www.ksdupgrade.com.au
Visit: Kingsford Smith Drive upgrade Visitor Centre
Post: GPO Box 2777, Brisbane, QLD 4001

Designed and constructed by

lendlease

An initiative of

BRISBANE CITY

Dedicated to a better Brisbane