



City of
Melville

AGENDA BRIEFING FORUM

Late Item -T19/3824 Canning Bridge Riverwall Renewal

October 2019



City of
Melville

Late Item-T19/3824 – Canning Bridge Riverwall Renewal
Presenter: Mario Murphy, Manager City Buildings



A major feature of the City's foreshore in Applecross is the river wall near the Raffles Hotel, constructed circa 2000. The foreshore in this area includes a vertical stone wall and rock revetment which provides protection to a shared path, landscaping and the Raffles Hotel. The wall also provides protection to the western abutment of the Canning Bridge.



City of
Melville

Late Item-T19/3824 – Canning Bridge Riverwall Renewal
Presenter: Mario Murphy, Manager City Buildings



In 2014, the City engaged an Engineer to undertake an audit of the river wall as there were issues with sinkholes and pathway subsidence.

Key issues with the river wall were identified as:

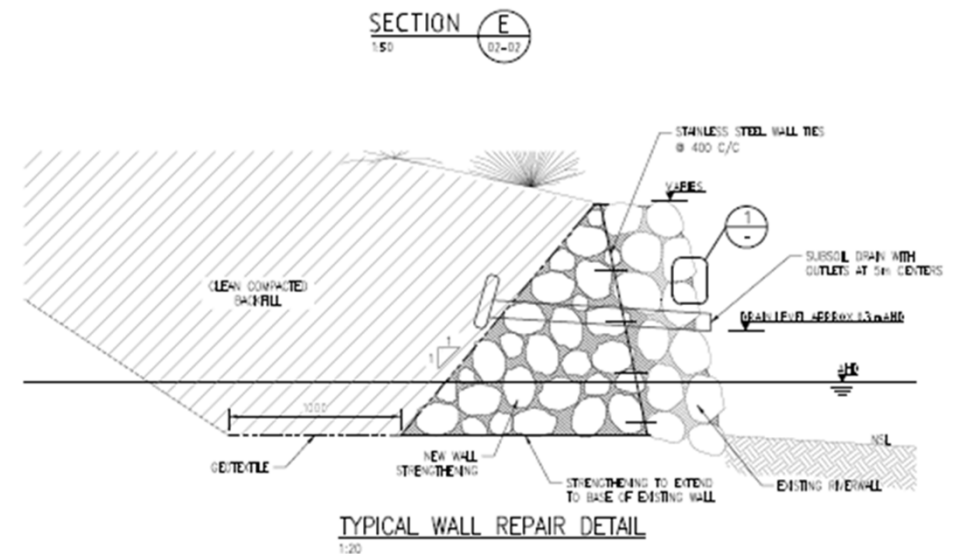
- Erosion of soil through gaps in the mortared joints in the wall.
- Failure of geotextile behind the wall resulting in some localised sinkholes and subsidence of material directly behind the wall.



In order to progress the repairs or replacement of the riverwall, the City engaged a specialist coastal engineer to undertake the design and documentation of the riverwall renewal.

As part of the project, we will also:

- upgrade the lighting under the bridge.
- Renew the landscaping
- Improve the river revetment to the south side of the bridge.





Consultation and/or information has been undertaken with a range of users and interest groups including:

- Raffles Hotel and tenants;
- Bike West;
- Department of Transport;
- Main Roads; and
- Local residents.

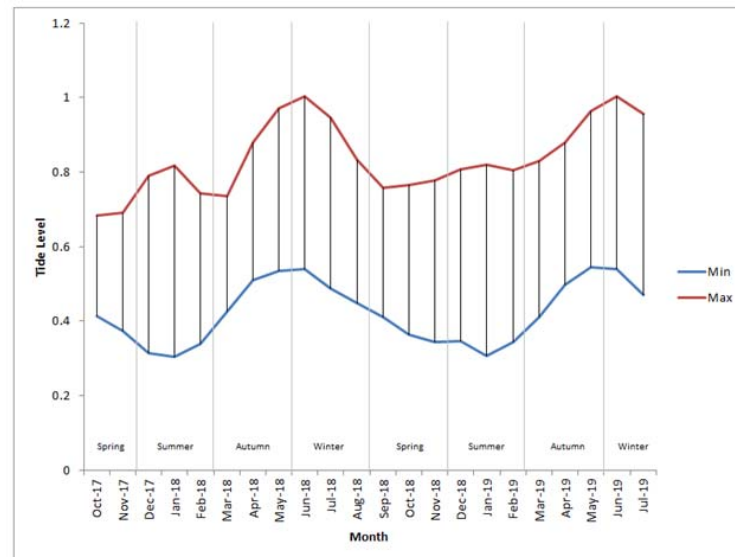
Permits and permission have been sought and approved including:

- Department of Biodiversity, Conservation and Attractions.
- Department of Planning, Lands and Heritage (Section 18 Aboriginal Heritage).
- Main Roads.



The nature of the works and proximity to the river poses safety and environmental risks. It is therefore necessary that works are conducted during low tides, calm weather and little or no rain.

The graph below indicates the average high and low tide periods over the last 2 years. Spring/Summer has the lowest low and high tides and therefore the safest period to carry out the works.





City of
Melville

Late Item-T19/3824 – Canning Bridge Riverwall Renewal
Presenter: Mario Murphy, Manager City Buildings



Low spring/summer tides mean that works can be undertaken without the problem of flooding or cave-in of excavation behind the wall.



City of
Melville

Late Item-T19/3824 – Canning Bridge Riverwall Renewal
Presenter: Mario Murphy, Manager City Buildings



The scope of works requires the underpass to be closed for about 4 weeks. Detours will be clearly signposted for pedestrians and casual bike traffic.



Large groups of bike riders (Pelotons) that normally use the underpass will be detoured around the streets as above. Signage will be in place during the underpass closure.



City of
Melville

Late Item-T19/3824 – Canning Bridge Riverwall Renewal
Presenter: Mario Murphy, Manager City Buildings

- Works are anticipated to take about 12-16 weeks to complete. We hope to start as soon as possible (November) and conclude in February 2020.
- All vegetation (with the exception of 4 large phoenix palms) will be removed and reinstated with new landscaping.
- The red asphalt path between the Raffles complex and the wall will remain open. Only the underpass will be closed for approximately 4 weeks.



City of
Melville

Late Item-T19/3824 – Canning Bridge Riverwall Renewal
Presenter: Mario Murphy, Manager City Buildings

Tender Process

- Tender was called on 21 August 2019 and open for 3 weeks closing 12 September 2019.
- 5 tenders received.
- CTAU 1 October 2019.