

Briefing Session

Yarra River Services Protection Remediation



Port of Melbourne Operations Pty Ltd

2 September 2024

Acknowledgement of Country

Port of Melbourne would like to acknowledge the Bunurong, Wadawurrung and Wurundjeri Peoples of the Kulin Nation as the Traditional Custodians of the land and waters on which our business operates.

We recognise and value their unique cultural heritage, customs, spiritual beliefs and relationship with the land. We pay our respects to their Elders past, present and emerging, and to all Aboriginal and Torres Strait Islander peoples across the communities in which we work.



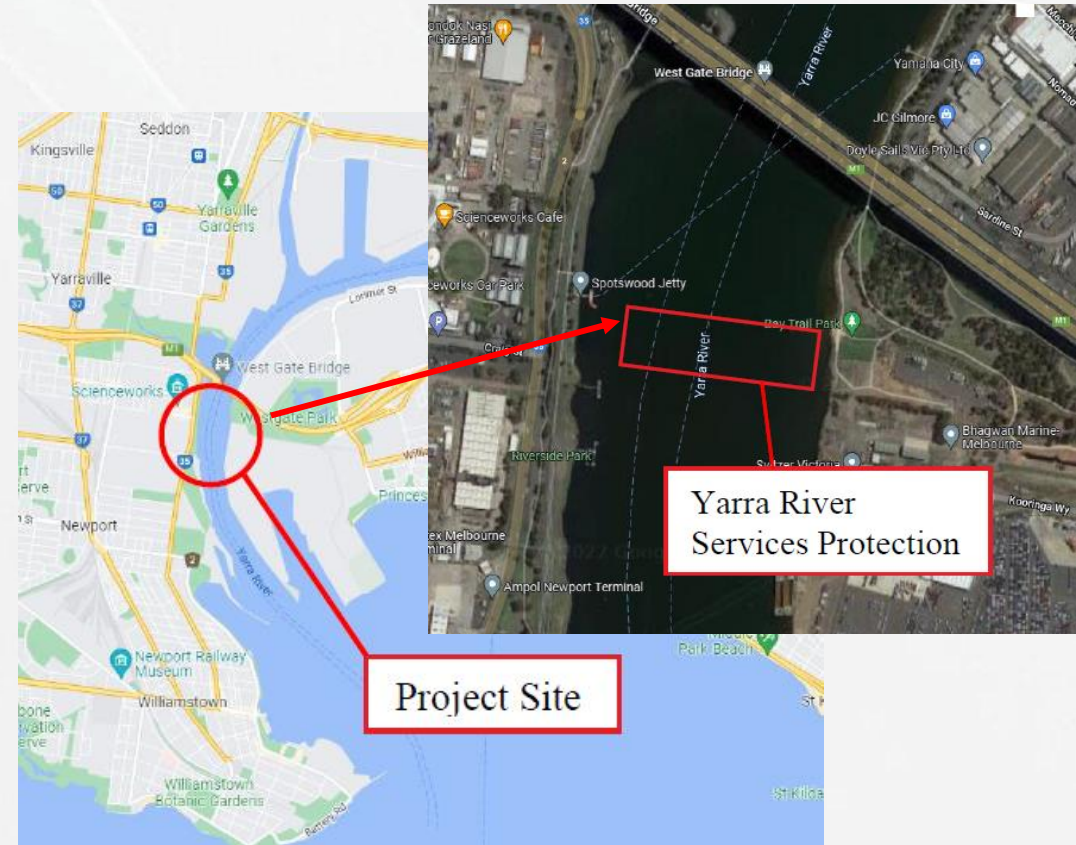


1. Welcome
2. Overview of the project
3. Scope of upcoming remediation works and management of operational windows
4. Questions
5. Session close



Location

- Yarra River, south of West Gate Bridge
- Protection structures were designed and installed to protect underlying services from anchor drop, drag and scour from passing shipping vessels
- There are three (3) services:
 - Melbourne Water's Hobsons Bay Main Sewer (HBMS)
 - APA's Gas Pipeline (GasNet)
 - Westernport Altona Geelong oil pipeline (WAG)



Grouted Rock Protection Assets

The grouted rock protection assets consist of rock layers strengthened by engineered grout to reduce the risk of uplift and movement of the rock layers. The most recent condition surveys have identified localised areas of grout erosion and rock displacement.

SUMMARY | The project is designed to address deterioration of grouted rock.

Independent engineering advice has determined potential causes of defects to the rock protection assets, attributing defects to:

- natural currents; and
- shipping impacts.

If no further action is taken, deterioration of the protection assets will continue increasing the risk of damage to the underlying services from anchor drop, drag, and scour.

PROJECT SCOPE

Phase 1	<ul style="list-style-type: none">▪ Dredging works above the Yarra services protection structure to clear sediments allowing for further investigation and remediation works
Phase 2	<ul style="list-style-type: none">▪ Installation of physical grid markers to increase repair efficiency▪ Potential pre-survey to record defects of significance
Phase 3	<ul style="list-style-type: none">▪ Visual survey of the grouted rock protection structure to inform defects▪ Remediate deteriorated grouted rock protecting the oil and gas pipelines

Phase 3 – Diving remediation works

- The works scope includes:
 - Visual survey of the grouted rock protection structure protecting the oil and gas pipelines to inform defects
 - Remediation of identified defects
- Duration: anticipated to take between 6-8 months to complete, subject to weather conditions and actual extent of defects.
- To achieve efficiencies, remediation works will be undertaken in segments, with each segment inspected then remediated before moving on to the next.
- Commencement date: scheduled for 16 September 2024

Port of Melbourne has worked closely with Ports Victoria to establish a set of protocols that provide maximum flexibility while facilitating these essential works:

- Works require an uninterrupted 6-hour window to allow inspections, installation of grout and curing.
- Works must be conducted during daylight hours Monday – Saturday.
- The 6-hour window can slide left or right to accommodate shipping movements, which see a start time between 07:00 – 10:00.
- Should there be no scheduled shipping movements, the works window can extend out to 8 hours to expedite works without additional impacts to shipping.
- Should Ports Victoria or the Harbour Master identify periods of significantly higher shipping movements, they have discretion to suspend or cancel works to reduce the number of workdays to as low as 4 days per week. This would however result in a longer duration of the overall works program.

Priority Protocols during these works:

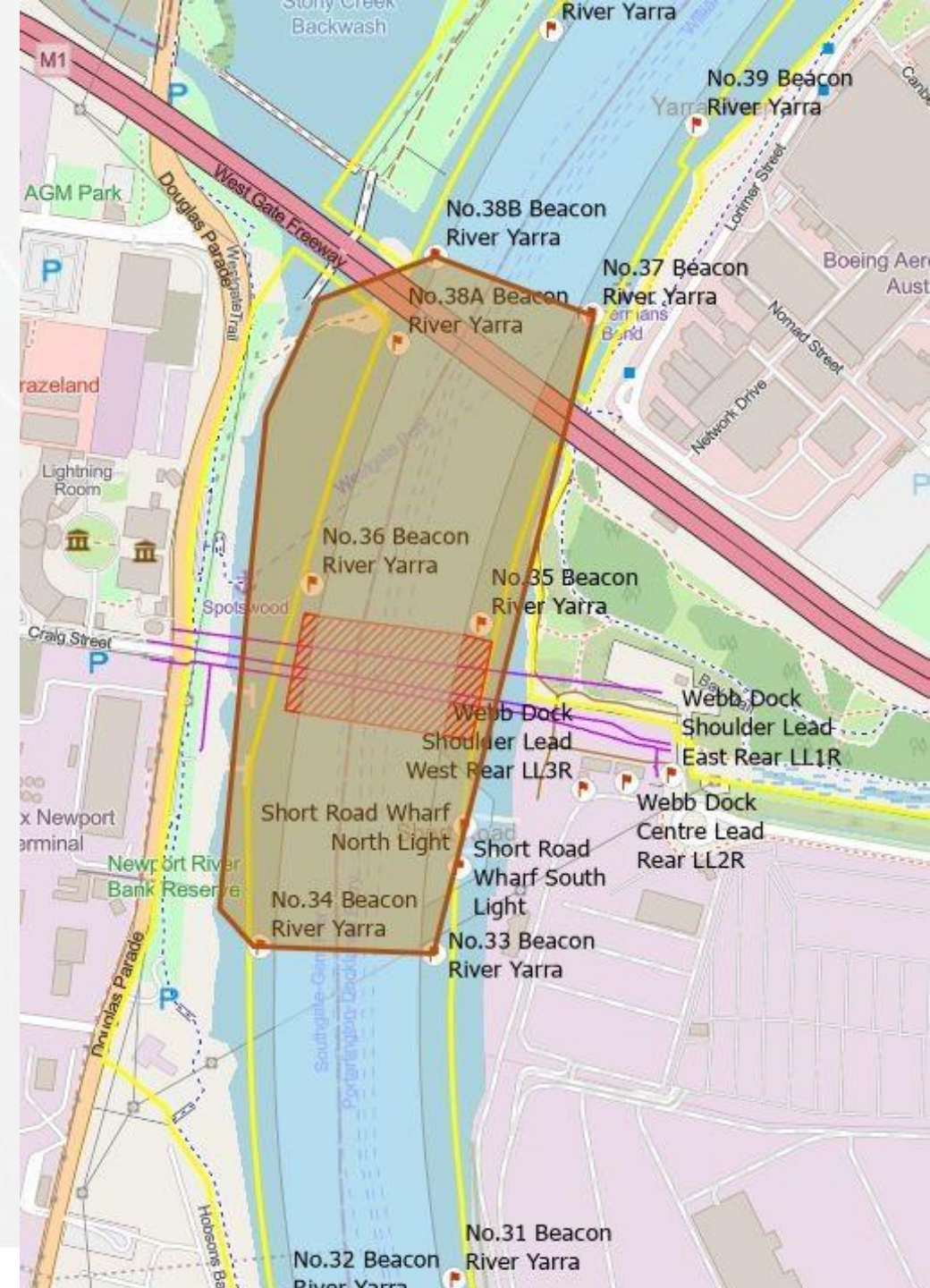
While these works have direct impacts on shipping proceeding upriver, there are secondary effects to other shipping movements across the port. This is a result of the shipping schedule becoming compressed around the operational diving windows and increasing pressure on port service providers (tugs, pilots & mooring crews).

To address this, the following priority protocols have been established in conjunction with Ports Victoria:

1. 3 hours prior to and following the daily 6 hour works window, shipping proceeding to/from upriver berths will have priority;
2. While daily works are underway, shipping downriver will have priority;
3. Cruise shipping will retain priority as per current arrangements.

EXCLUSION ZONE

- During the works, an exclusion zone will be in effect (refer the area highlighted).
- Exclusion zone of the river will apply to commercial vessels greater than 50m LOA for set periods.
- An exclusion zone will be issued by Safe Transport Victoria.
- A Notice to Mariners will cover the duration of the works period.



Communications Protocol

- Day to Day shipping movements will continue to be facilitated by Ports Victoria VTS.
- Should there be concerns, complaints or queries relating to the project and its impacts on shipping, these should be directed to Port of Melbourne.

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Questions

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THANK YOU

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