

Fact Sheet: Protecting heritage elements during construction



Mount Crosby Weir Bridge Duplication Project

For nearly 100 years, the Mount Crosby Weir Bridge has been a key piece of infrastructure enabling the supply of safe drinking water to South East Queensland residents while better connecting the Mount Crosby community.

Work has been completed on the repair of the Weir Bridge from damage caused by the 2022 floods, while construction has started on a new two-lane Vehicle Bridge downstream of the existing bridge.

Within the project site, four elements are listed on the Queensland Heritage Register including the Weir Bridge, fish ladder, 1899 remnant bridge piers, and water intake tower.

Mt Crosby Weir Bridge rehabilitation works

Seqwater heritage specialists worked with BMD Constructions to plan remediation works that respect the bridge's character and prevents any adverse construction impacts on the heritage assets.

During these works, the project team used the following measures to protect the site's heritage elements:

- Install exclusion zones around heritage elements, in accordance with approval conditions, heritage legislation and Seqwater's heritage responsibilities, to avoid accidental damage by plant equipment or vehicles;
- Careful planning of all site works, particularly when on the bridge or disturbing the ground around it;
- Highlight the site's heritage significance during project inductions and toolbox talks;
- Obtaining the necessary approvals from Department of Environment and Science and Brisbane City Council.



Figure 1: Mount Crosby Weir Bridge under construction in 1926.
Source: State Library of Queensland.



Figure 2: Vibration monitoring in progress on weir bridge.

New Vehicle Bridge

A new two-lane Vehicle Bridge is being built at Mount Crosby and has been carefully designed to avoid impacting heritage elements within the area. This includes building the new bridge downstream of the existing Weir Bridge and placing the new bridge's piers in between the remnant 1899 bridge piers.

During construction, the project team will use the following measures to protect the site's heritage elements:

- Installation of vibration monitors on the existing Weir Bridge, remnant bridge piers, and fish ladder particularly while piling works are occurring;
- Highlight the site's heritage significance during worker inductions and toolbox talks with project team and contractors;
- Engage an archaeologist to monitor works, particularly when disturbing the ground during road resurfacing and piling;
- Install exclusion zones around heritage elements, in accordance with approval conditions, heritage legislation and Seqwater's heritage responsibilities, to avoid accidental damage by plant equipment or vehicles;
- Careful planning of all site works including boring, piling and equipment movement;
- Obtain necessary approvals from Department of Environment and Science and Brisbane City Council.

Heritage artefacts

If heritage items are found onsite, Seqwater will comply with the management requirements set by the Department of Environment and Science. On completion of the East Bank Flood Resilience program, the relevant artefacts will be cleaned, assessed, and recorded. Seqwater will determine the best options for the ongoing management of the artefacts, and ensure that all options comply with the approval conditions set by the Queensland Government.

DID YOU KNOW?

This will be the fifth river crossing built at Mount Crosby with three bridges constructed in the 1890's washed away by flooding, before the current weir bridge was completed in 1927.



Figure 3: Mt Crosby Weir Bridge damage after 1927 floods. (check source of the photo from Marlee)

CONTACT US

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