

MT CROSBY WEIR BRIDGE (EXISTING)  
REPURPOSE FOR PEDESTRIANS AND CYCLISTS

VEHICLE BRIDGE  
PROPOSED

# FACTSHEET

April 2022

## East Bank Flood Resilience Program

### Mt Crosby Bridge

The Mount Crosby Water Treatment Plants are a critical part of the SEQ Water Grid, and they supply about 50 per cent of South East Queensland's drinking water, including Brisbane, Ipswich and Logan. Seqwater is currently undertaking a program of work to reduce asset and flood risks to essential bulk water infrastructure at the historical Mount Crosby East Bank Precinct.

The East Bank Flood Resilience Program (the Program) includes the construction of a new dual lane vehicle bridge across the Brisbane River.

The existing single-lane weir bridge, which crosses the Brisbane River to connect Kholo and Mt Crosby, will be converted into a pedestrian pathway, once the new vehicle bridge has been completed.

Seqwater will begin construction of the new bridge while work moves ahead on repairing and reopening of the existing Mount Crosby Weir Bridge, which was significantly damaged during the extreme weather event in late-February this year. Seqwater have conducted engineering assessments of the existing Mount Crosby Weir Bridge and are working to repair and reopen the Mount Crosby Weir Bridge to traffic.

Seqwater is working to design and construct a new bridge that will conform to modern engineering standards. The new vehicle bridge will also be approximately three metres higher, making it more flood resilient. The new dual lane bridge will allow two-way traffic flow and accommodate large and heavy vehicles, such as school buses and emergency vehicles.

Once the new bridge is built, the 96 - year - old Mount Crosby Weir Bridge will be repurposed as a cycle and walkway to improve the local amenity and retain its historical significance. A separate crossing for pedestrians and cyclists will ensure they are clear of vehicles, further improving road safety and connecting the Mount Crosby community to the council sporting grounds on the western bank.

#### Fast facts: New bridge



**Construction timeline:** mid 2022 – late 2023



**Bridge Length:** 187m

**Bridge width:** 8.6m

**Longest concrete deck unit span:** 27m



**Bridge height:** Approximately 15.5m at the centre between east and west banks. Approximately three metre height difference between old and new.



**Design:** 7 piers (each founded on four cast-in-place pile foundations).



**Steel:** Four hundred tonnes of steel reinforcement in the deck, bridge substructure and deck units.



**Concrete:** More than 2200 cubic metres of concrete will construct the foundations, piers, bridge structure, and deck.

The new two-lane bridge will be located about 15m downstream of the Mt Crosby Weir Bridge and stretch approximately 187m across the Brisbane River. The new bridge has considered heritage, environmental and social constraints.

Seqwater expects to commence construction of the new bridge in mid - 2022, with completion anticipated before the end of 2023, subject to weather.



## Mount Crosby Weir History

- In October of 2019, the Queensland Heritage Council decided to enter the Mount Crosby Pumping Station Complex to the Queensland Heritage Register as a place of State-level significance. The Mount Crosby Pumping Station Complex extends across both the east and west banks of the Brisbane River, with evidence dating back to the 1800s of historical water management at the site. The existing weir and bridge structure is of heritage significance and referenced in the Queensland Heritage Register listing.
- Seqwater recognises the historical significance of the East Bank Pump Station and surrounding precinct and is committed to working with key stakeholders and the local community to revitalise the area as part of the Program.
- Mount Crosby Weir was constructed in 1926 to create a pool for pumping water
- The weir is a 'concrete gravity ogee crested weir' that supports a twenty-two span bridge deck and is a significant piece of infrastructure in Brisbane's water supply chain.
- The Weir Bridge was constructed in 1926 to carry coal across the river by tramcar, to the coal fired pumping station. In 1927, large floods caused the partial collapse of the structure. It was repaired the same year and has remained largely unmodified, except for minor upgrades and maintenance.



©State Library of Queensland: The weir and bridge over Brisbane River at Mount Crosby in 1926

## About Seqwater

Seqwater is the Queensland Bulk Water Supply Authority. We are responsible for delivering a safe, secure and cost-effective bulk water supply for more than three million people across South East Queensland. We also:

- provide essential flood mitigation services
- manage catchment health and offer community recreation facilities
- provide water for irrigation to about 1,200 farmers across seven water supply schemes.
- Seqwater is one of the largest water businesses with the most geographically spread and diverse asset base of any capital city water authority. Our operations extend from the New South Wales border to the base of the Toowoomba ranges.

## Want to know more?

There is a comprehensive list of Frequently Asked Questions about the East Bank Flood Resilience Program on the Seqwater website. In addition to the EBFRP newsfeed on the website, we will also be sending regular e-updates during the construction work. To subscribe, scan the QR code below.

## Contact us:

**p** 1300 SEQWATER (1300 737 928)

**e** [eastbankinfo@seqwater.com.au](mailto:eastbankinfo@seqwater.com.au)

**w** [seqwater.com.au](http://seqwater.com.au)

