

Project update

Wagga Wagga Main City Levee Upgrade Stage 2

What's ahead?

The upgrade of the Murrumbidgee River levee system in Wagga Wagga commenced in 2017, giving residents, for the first time, a 1 in 100 year level of protection against flooding.

Raising the levee system gives peace-of-mind assurance by safeguarding the entire central business district, many of the city's critical assets and thousands of homes.

Community consultation has been vital throughout the levee upgrade process. Feedback, suggestions, ideas and advice collected from the many community sessions and forums helped inform the final design.

This approach has resulted in the development of a comprehensive project plan that considered a range of circumstances. The extensive process also ensures construction quality is delivered.

Where are we now?

Stage 1 of the levee upgrade will be complete by January 2019. This comprises the sections from:

- ▶ Flowerdale Lagoon to Gobbagombalin Bridge (including Flowerdale spillway*)
- ▶ Copland Street to Koorinal Road Monumental Cemetery (west side of Koorinal Road) and Koorinal spillway*.

*spillways control water overflows in excess of a 1 in 100 year flood into the Wagga Wagga city area.

What's next?

Stage 2 works - from Gobbagombalin Bridge to Hammond Avenue - are scheduled to commence on 7 January 2019.

How is the levee upgrade funded?

The \$23M project for Stage 1 and Stage 2 includes contributions from City of Wagga Wagga (\$7.75M), the State Government (\$4.1M) and the Federal Government (\$10M).



Capped sheet piles raise the height of the levee.



Main City Levee Staged Works. Red line represents Stage 1 and green line represents Stage 2.

How will Stage 2 be constructed?

The Stage 2 Wagga Wagga levee system is made up of three different construction types. The upgraded levee project will build on a combination of the following designs:

Sheetpile



Capped sheet piles will protrude from the earth levee. View a demonstration example at the levee bank near pump station 15A (opposite Waterview Apartments, Tarcutta St).

Hybrid levee



An embankment levee is used in conjunction with another levee type, such as the concrete walls in Cadell Place.

Embankment levee



Usually made from compacted earthfill, foundations are stripped to remove topsoil and organic matter. This type of levee is

most adaptable for raising existing embankment levees and where there is sufficient space to achieve acceptable slopes.

Area of works

Upgrading 6km of levee bank is a complex and lengthy project. Construction will be undertaken in phases along the levee bank, with Wiradjuri Bridge to Johnson Street the first section. Details of subsequent phases will be communicated to affected residents and businesses prior to works.

Dates

7 January to May 2019

Location

Wiradjuri Bridge to Johnson Street

Works

- ▶ extend existing concrete retaining walls
- ▶ capped sheet piles

Changes

- ▶ changes to traffic flow and parking in Cadell Place
- ▶ closure of Wiradjuri Walking Track from Wiradjuri Bridge to Johnson Street

Will there be impacts to residents during construction?

Due to the nature of the works, some noise, dust and vibration will be generated in work areas. Heavy machinery will be in operation in the area. Council will work with the contractor to minimise disruptions as much as possible and thank residents and businesses for their cooperation throughout these works.

How long will it take?

Works are scheduled for completion by mid-2020.

Are there any environmental impacts?

A Review of Environmental Factors conducted by Wagga Wagga City Council staff identified that the levee upgrade concept is environmentally, socially and economically beneficial to the wider Wagga Wagga community and there was no requirement to carry out a broader Environmental Impact Assessment.