

New Brooking Channel Bridge Project



Above: Brooking Channel Bridge demolition works.

Construction ramping up for the new Brooking Channel Bridge

The old Brooking Channel Bridge was recently demolished, marking a significant milestone in the project timeline. The demolition took place over four days, clearing the way for the construction of the new bridge to begin.

Piling works underway

With demolition now complete, piling works for the new bridge are underway. This work will take around six weeks to complete. The new Brooking Channel Bridge will have 18 bridge piles, varying between 5 to 14 metres in depth.

To install each pile, a temporary pile case will be bored into the riverbed. Once in place, the soil within the casing will be removed. A steel reinforcement cage will then be installed into the casing, and concrete will be poured before the temporary casing is removed.

As the pile cases will be bored into the riverbed, this should generate less noise than the pile driving undertaken during the New Fitzroy River Bridge works.

Trainee involvement in pier construction

Once the piling works are complete, the project team will begin constructing the pile caps and bridge piers. The new Brooking Channel Bridge will have three piers; each pier will consist of a concrete pile cap and concrete pier shells reinforced with concrete and steel.

The pile caps will be poured in situ between mid-July and early August.

The seven concrete pier shells are currently being fabricated on-site in Fitzroy Crossing using a specialised concrete mould. Previously, these shells were made in Perth, but this year the fabrication is being done locally. This allows construction trainees undertaking a Certificate II in Civil Construction to gain hands-on experience with complex concrete work and learn directly from industry experts.

Once the shells are fabricated, they will be placed on top of the pile caps and filled with steel reinforcement and concrete to provide a strong foundation for the bridge superstructure.

Further information

For more information about the project, please:

- call 138 138
- email enquiries@mainroads.wa.gov.au
- visit mainroads.wa.gov.au/new-brooking-channel-bridge.



Above: Construction trainee Kevin completing pier shell works.



Above: On-site fabrication of the pier shells.