

Foxground and Berry bypass

BROUGHTON CREEK BRIDGES 1, 2 and 3

JULY 2014

- Broughton Creek Bridges 1, 2 and 3 will be built using precast concrete 'super-T' girders with the deck to be cast-in-place.
- The three bridges will carry two lanes of traffic in each direction separated by a wire rope safety barrier in the median strip.
- A three metre wide shoulder will be continued across both sides of the bridges, making provision for cyclists and future expansion.
- Broughton Creek Bridge 1 will have a deck length of approximately 95 metres and will be 25 metres wide.
- Broughton Creek Bridge 2 will have a deck length of approximately 75 metres and will be 25 metres wide.
- Broughton Creek Bridge 3 will have a deck length of approximately 175 metres and will be 25 metres wide.

Changes from Approved Concept Design:

To improve visibility and safety for motorists, visual amenity and to minimise the impact of construction on the environment, a number of changes have been made:

- The design of the three bridges has been simplified, with two rectangular columns supporting each headstock.
- The length of Broughton Creek Bridge 1 has been reduced from 125 metres to approximately 95 metres. This achieves the flooding requirements at a reduced construction and whole of life cost.
- The length of Broughton Creek Bridge 3 has been reduced from 203 metres to approximately 175 metres. This achieves the flooding requirements at a reduced construction and whole of life cost.



Artist's impression - perspective of Broughton Creek Bridge 3 looking east