
MONIER ROAD BRIDGE MONASH BRIDGE



23177 Monier Bridge Wannon
0200

Location

Brung Brungle Road Old Glenelg Highway WANNON, Southern Grampians Shire

Municipality

SOUTHERN GRAMPIANS SHIRE

Level of significance

Stage 2 study complete

Heritage Listing

Southern Grampians Shire

Statement of Significance

Last updated on - October 11, 2002

What is significant?

The Monier Bridge over the Wannon River at the township of Wannon, formerly Redruth, is the fourth bridge to span the river. The township developed around the crossing and in association with the nearby Wannon Falls. The bridge was located in the commercial centre of the township, at a time when the former route of the Glenelg Highway was the main street of Wannon. The bridge was critical for access to the Western District beyond Hamilton. The first bridge, built of timber, was replaced by two subsequent bridges. The present structure was built in 1917, to the design of a Country Roads Board engineer. The contractor was the Reinforced Concrete and Monier Pipe Construction Company. The bridge represented the CRB's new policy of building in permanent materials. Although a late use of the Monier system, it incorporates technical advances and is also of significance for its use and adaptation of the bluestone piers which necessitated larger than usual spans. The Monier Bridge is substantially intact and in good condition. It has since been superseded by a modern bridge on the realignment of the Glenelg Highway.

How is it significant?

The Monier Bridge on Brung Brungle Road over the Wannon River at Wannon is of historical and architectural significance to the township of Wannon and the Shire of Southern Grampians.

Why is it significant?

The Monier Bridge on Brung Brungle Road over the Wannon River at Wannon is of historical significance as a landmark at the centre of the former main street of the township of Wannon, established at the river crossing in the 1860s. It has additional historical significance for its sequence of development, representing the improvement of road transport and the growing importance of the communications corridor west of Hamilton towards the South Australian border. It is one of the first bridges designed by the then new Country Roads Board.

The bridge is of architectural significance as a late example of the use of the Monier system of reinforced concrete construction, which demonstrates technical improvements to the system. It also meets the challenge posed by the long spans between the existing bluestone piers. The bridge is architecturally significant as the work of the important engineering firm, Reinforced Concrete and Monier Pipe Construction Company Ltd., which was led by the eminent engineer and general, Sir John Monash, who pioneered the use of the Monier system in Australia.

Heritage Study/Consultant	Southern Grampians - Southern Grampians Shire Heritage Study, Timothy Hubbard P/L, Annabel Neylon, 2002;
Construction dates	1917,
Heritage Act Categories	Registered place,
Other Names	MONASH BRIDGE,
Hermes Number	23177
Property Number	

Physical Conditions

The bridge is in very good condition but some of the cement rendered finishes of the pillars show signs of patching and over-painting.

Physical Description 1

The Monier bridge over the Wannon River at Wannon, formerly known as Redruth, is located on a Crown Land road reserve, where the old Glenelg Highway crossed the river. It is a four span Monier concrete arch bridge built in 1917, and is the fourth bridge to be constructed on this site. It features bluestone abutments and piers which date from an earlier bridge built in 1870. The superstructure features decorated pillars with a cement render finished in a vermiculated pattern, and steel railings.

The 1917 bridge was a late and rare use of several Monier arches. By the time that this bridge was commissioned, John Monash had realised that girder bridges were more suitable in most situations. However the reinforced concrete girders of the time were not long enough to span the distances between the old bluestone piers of the earlier bridge (HS 18/9/1999).

Historical Australian Themes

Theme 3 Developing local, regional and national economies
3.8 Moving goods and people

3.8.7 Building and maintaining roads

Usage/Former Usage

Road bridge

Integrity

high degree of integrity

Physical Description 2

Sir John Monash, holder of the Monier patent

Physical Description 3

Crown Land Road Reserve

This place/object may be included in the Victorian Heritage Register pursuant to the Heritage Act 2017. Check the Victorian Heritage Database, selecting 'Heritage Victoria' as the place source.

For further details about Heritage Overlay places, contact the relevant local council or go to Planning Schemes Online <http://planningschemes.dpcd.vic.gov.au/>