

Superseded

Specification (Measurement)

**Transport and Main Roads Specifications
MRS82 Bridge Deck Expansion Joints**

July 2017

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Contents

- 1 Introduction1**
- 2 Measurement of works1**
- 2.1 Standard Work Items 1
- 2.2 Work Operations 1

Superseded

1 Introduction

This Specification applies to the supply and installation of bridge deck expansion joints.

This Specification shall be read in conjunction with MRS01 *Introduction to Specifications* and other Specifications as appropriate.

This Specification forms part of the Transport and Main Roads Specifications Manual.

2 Measurement of works

2.1 Standard Work Items

In accordance with the provisions of Clause 2.1.3 of MRS01 *Introduction to Specifications*, the Standard Work Items incorporated in this Specification are listed in Table 2.1

Table 2.1 – Standard Work Items

Standard Item No.	Description	Unit of Measurement
Bridge Deck Expansion Joints		
72801	Bolted-in aluminium bridge deck expansion joints	lump sum
72802	Cast-in aluminium bridge deck expansion joints	lump sum
72803	Fibre reinforced concrete bridge deck expansion joints	lump sum

2.2 Work Operations

Item 72801 Bolted-in aluminium bridge deck expansion joints

Work Operations incorporated in the above item include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) removal of section of deck wearing surface
- c) sandblasting or scabbling concrete at joint
- d) supply and installation of anchor studs, nuts and washers
- e) supply and installation of aluminium strip
- f) supply and installation of epoxy mortar
- g) supply and installation of neoprene seal, and
- h) supply and installation of bolt channel filler.

Item 72802 Cast-in aluminium bridge deck expansion joints

Work Operations incorporated in the above item include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) supply of aluminium strip
- c) supply and installation of anchor bolts, base fittings, sleeves and washers
- d) casting in of aluminium strip and anchors
- e) supply and installation of neoprene seal, and

- f) supply and installation of bolt recess filler.

Item 72803 Fibre reinforced concrete bridge deck expansion joints

Work Operations incorporated in the above item include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) removal of section of deck wearing surface
- c) sandblasting or scabbling concrete at joint
- d) supply and installation of anchor rods
- e) supply and installation of reinforcing steel
- f) supply and erection of formwork
- g) supply and application of wet-to-dry epoxy;
- h) supply and placement of fibre reinforced concrete, and
- i) supply and installation of neoprene seal.

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