

Superseded

Specification (Measurement)

**Transport and Main Roads Specifications
MRS80 Supply and Erection of Bridge Barrier**

October 2016

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1 Introduction

This Specification applies to the supply and/or transport and erection of steel, stainless steel and aluminium bridge barrier including bridge traffic barrier, balustrade and safety rails.

This Specification shall be read in conjunction with MRS01 *Introduction to Specifications*, MRS50 *Specific Quality System Requirements* and other Specifications as appropriate.

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

2 Measurement of work

2.1 Standard Work Items

In accordance with the provisions of Clause 2 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
Supply and Erection of Bridge Barrier		
8401	Supply and fabrication of bridge traffic rail, [<i>material type</i>]	m
8402	Supply and fabrication of bridge balustrade, [<i>material type</i>]	m
8403	Supply and fabrication of bridge safety rail, [<i>material type</i>]	m
8404	Transport and erection of bridge traffic rail, [<i>material type</i>]	m
8405	Transport and erection of bridge balustrade, [<i>material type</i>]	m
8406	Transport and erection of bridge safety rail, [<i>material type</i>]	m

2.2 Work Operations

Item 8401 **Supply and fabrication of bridge traffic rail, [*material type*]**

Item 8402 **Supply and fabrication of bridge balustrade, [*material type*]**

Item 8403 **Supply and fabrication of bridge safety rail, [*material type*]**

Work Operations incorporated in the above items include:

For steel:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) supply of materials
- c) fabrication of structural steel components, and
- d) hot-dipped galvanising of steel components.

For aluminium:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) supply of materials
- c) fabrication of aluminium components, and

- d) anodising of components of aluminium, where applicable.

For stainless steel:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) supply of materials
- c) fabrication of stainless steel components, and
- d) pickling and passivating the welds, where applicable.

Item 8404 **Transport and erection of bridge traffic rail, [material type]**

Item 8405 **Transport and erection of bridge balustrade, [material type]**

Item 8406 **Transport and erection of bridge safety rail, [material type]**

Work Operations incorporated in the above items include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) transport to the Site
- c) unloading and storage at the Site
- d) erection of all components, and
- e) mortar packing of bases.

2.3 Calculation of quantities

Bridge traffic rail, balustrade and safety rail shall be measured in linear metres, between the extreme outside edges of end posts.

2.3.1 Supply of bridge barrier

Where listed in the Principal Supplied Material List (Form C6827), bridge barrier shall be supplied by the Principal. Where not so listed, bridge barrier shall be supplied by the Contractor.

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