

Main Roads Specification

MRS80

Supply and Erection of Bridge Barrier

June 09

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Supply and Erection of Bridge Barrier

1 INTRODUCTION

This Specification applies to the supply and/or transport and erection of steel and/or aluminium bridge barrier.

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

This Specification forms part of the Main Roads Specifications and Technical Standards 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
	Bridge Barrier, Steel	
8401	Supply and fabrication of bridge traffic rail, steel.	m
8402	Supply and fabrication of bridge balustrade, steel.	m
8403	Supply and fabrication of bridge safety rail, steel.	m
8404	Transport and erection of bridge traffic rail, steel.	m
8405	Transport and erection of bridge balustrade, steel.	m
8406	Transport and erection of bridge safety rail, steel.	m
	Bridge Barrier, Aluminium	
8411	Supply and fabrication of bridge traffic rail, aluminium.	m
8412	Supply and fabrication of bridge balustrade, aluminium.	m
8413	Supply and fabrication of bridge safety rail, aluminium.	m
8414	Transport and erection of bridge traffic rail, aluminium.	m
8415	Transport and erection of bridge balustrade, aluminium.	m
8416	Transport and erection of bridge safety rail, aluminium.	m

2.2 Work Operations

Item 8401 Supply and fabrication of bridge traffic rail, steel.

Item 8402 Supply and fabrication of bridge balustrade, steel.

Item 8403 Supply and fabrication of bridge safety rail, steel.

Work Operations incorporated in the above items include –

- 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.

Item 8411 Supply and fabrication of bridge traffic rail, aluminium.

Item 8412 Supply and fabrication of bridge balustrade, aluminium.

Item 8413 Supply and fabrication of bridge safety rail, aluminium.

Work Operations incorporated in the above items include –

- 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, where applicable.

Item 8404 Transport and erection of bridge traffic rail, steel.

Item 8405 Transport and erection of bridge balustrade, steel.

Item 8406 Transport and erection of bridge safety rail, steel.

Item 8414 Transport and erection of bridge traffic rail, aluminium.

Item 8415 Transport and erection of bridge balustrade, aluminium.

Item 8416 Transport and erection of bridge safety rail, aluminium.

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