

Main Roads Specification

MRS86

Preparation for Bridge Widening

June 09

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FEEDBACK

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Preparation for Bridge Widening

1 INTRODUCTION

This Specification applies to the operations required to be carried out in preparation for the widening of a bridge.

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 covered by this Specification are listed in Table 2.1.

Table 2.1- Standard Work Items

Standard Item No.	Description	Unit of Measurement
	Preparation for Bridge Widening	
8801	Removal of existing bridge rails and posts.	Lump sum
8802	Breaking back existing concrete.	m ³
8803	Removal of existing rubble masonry at abutments.	Lump sum
8804	Installation of steel reinforcing bars in existing concrete.	each
8805	Installation of dowel bars.	each
8806	Scabbling concrete faces.	m ²
8807	Temporary barrier guardrail.	Lump sum

2.2 Work Operations

Item 8801 Removal of existing bridge rails and posts.

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 rails;
- c) Demolition and disposal of posts; and
- d) Transport and storage of rails.

Item 8802 Breaking back existing concrete.

Work Operations incorporated in the above item include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Demolition of existing concrete;
- c) Disposal of demolished concrete; and
- d) Cutting of steel reinforcing and protecting cut ends, where applicable.

Item 8803 Removal of existing rubble masonry at abutments.

Work Operations incorporated in the above item include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Demolition of existing rubble masonry; and
- c) Disposal of demolished materials.

Item 8804 Installation of steel reinforcing bars in existing concrete.

Work Operations incorporated in the above item include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Drilling of holes in existing concrete;
- c) Supply of epoxy adhesive; and
- d) Installation of steel reinforcing bars.

Item 8805 Supply and installation of dowel bars.

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 dowel bars; and
- c) Installation of dowel bars.

Item 8806 Scabbling concrete faces.

Work Operations incorporated in the above item include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Scabbling of existing concrete; and
- c) Cleaning of scabbled face

Item 8807 Temporary barrier guardrail.

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 materials;
- c) Fabrication of steel components;
- d) Coring of holes for anchor bolts;
- e) Installation of anchor bolts;
- f) Erection of barrier;
- g) Dismantling on completion; and
- h) Cutting off anchor bolts.