

SUPERSEDED

Specification (Measurement)

**Transport and Main Roads
MRS02 Provision for Traffic**

September 2022

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1 Introduction

This Specification applies to the control of traffic during the construction of roadworks.

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 2.1.3 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
Provision for Traffic		
20002	Travel Time Surveys	lump sum
20003	Construction and removal of side-track	m ²
20004	Supply of temporary barriers	m
20005	Installation of temporary barriers	m
20006	Supply of temporary barrier end treatments	each
20007	Installation of temporary barrier end treatments	each
20008P	Supply of anti-gawking screens (Provisional Quantity, if ordered)	m
20012P	Installation of anti-gawking screens (Provisional Quantity, if ordered)	m
20016	Traffic management inspections	lump sum
20017	Planning of temporary traffic management (TMP)	lump sum
20018	Design of temporary traffic management (TGS)	lump sum
20019	Implementation, maintenance and removal of temporary traffic management	lump sum
20020	Administration of temporary traffic management	lump sum

2.2 Work Operations

Item 20002 Travel Time Surveys

Work Operations incorporated in the above item include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) undertaking travel time surveys
- c) recording data, and
- d) provision of records.

Item 20003 Construction and removal of side-track

Work Operations incorporated in the above item include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) design of side-track
- c) provision of all materials for construction of side-track
- d) construction and maintenance of side-track, and
- e) removal of side-track.

Item 20004 Supply of Temporary Barriers

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 barrier, and
- c) delivery to the site.

Item 20005 Installation of Temporary Barriers

Work Operations incorporated in the above item include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) maintenance and repair of barrier
- c) supply of erection angle connectors, reinforced connector assemblies and connector tie bars, as necessary
- d) trimming and/or levelling surface
- e) erection of barrier, including water filling where required
- f) dismantling and relocation of barriers, and
- g) dismantling and removal of barrier from the site.

Item 20006 Supply of temporary barrier end treatments

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 all materials, and
- c) delivery to the site.

Item 20007 Installation of temporary barrier end treatments

Work Operations incorporated in the above items include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) installation of end treatment
- c) removal of end treatment for reuse or storage as necessary, and
- d) maintenance of end treatment.

Item 20008P Supply of anti-gawking screens (Provisional Quantity, if ordered)

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 anti-gawking screens, and
- d) delivery to the site.

Item 20012P Installation of anti-gawking screens (Provisional Quantity, if ordered)

Work Operations incorporated in the above items include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) installation of screens
- c) maintenance of screens, and
- d) removal of screens on completion.

Item 20016 Traffic management inspections

Work Operations incorporated in the above items include:

- a) traffic management inspections as per Clause 7.4 of MRS02.

Item 20017 Planning of temporary traffic management (TMP)

Work Operations incorporated in the above items include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) all work associated with the preparation, submission and revision (where necessary) of the Traffic Management Plan for all road users, including vulnerable road users (cyclists, pedestrians, and motorcyclists), and
- c) all other operations associated with the planning of temporary traffic management as required by the Queensland *Manual of Uniform Traffic Control Devices* (MUTCD) Part 3, *Queensland Guide to Temporary Traffic Management* (QGTTM), and any other contractual and legislative requirements.

Item 20018 Design of temporary traffic management (TGS)

Work Operations incorporated in the above items include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*
- b) all work associated with the preparation, submission and revision (where necessary) of the Traffic Guidance Scheme(s) for all road users, including vulnerable road users (cyclists, pedestrians, and motorcyclists), and
- c) all other operations associated with the design of temporary traffic management as required by the MUTCD Part 3, QGTTM and any other contractual and legislative requirements.

Item 20019 Implementation, maintenance and removal of temporary traffic management

Work Operations incorporated in the above items include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specification*
- b) provision and placement of the prescribed traffic control devices for the warning, guidance and protection of the traffic and the protection of workers, construction plant and other property on or adjacent to the works
- c) provision of Police control, as necessary
- d) provision of Traffic Controllers, as necessary
- e) construction, maintenance and removal of temporary access along or across the site for pedestrians, cyclists and agricultural machinery, as necessary
- f) construction, maintenance and removal of temporary vulnerable road user (cyclists, pedestrians, and motorcyclists) infrastructure
- g) relocation of any bus stops affected by changes in traffic arrangements
- h) covering and uncovering new signs, as necessary
- i) covering or removal of traffic control devices when not in use
- j) maintenance of emergency vehicle access at all times
- k) relocation of all existing signage and any modifications required thereto to ensure that the standard of signage is consistent with that existing prior to the Contractor commencing work and that it is consistent with the requirements of the Traffic Guidance Schemes
- l) supply and installation of site access signs and all other traffic control signage as detailed in the traffic Guidance Schemes
- m) supply and operation of traffic control devices
- n) supply and installation of temporary delineation of trafficked corridors
- o) supply, installation and operation of temporary traffic signals
- p) supply and installation of temporary delineation where access to streets and side roads has been altered
- q) provision for the detouring of traffic
- r) dust control
- s) maintenance of entrances and construction of alternative entrances (as necessary) to private properties
- t) maintenance of trafficable surfaces, where specified
- u) implementation and monitoring of the Traffic Management Plan when such is specified
- v) supply of all materials, plant and equipment for temporary road lighting
- w) installation and maintenance of temporary road lighting equipment and removal of temporary road lighting equipment after permanent road lighting is installed, or as directed by the Administrator.

- x) provision of all other facilities for the safe passage of vehicular traffic through and around the works
- y) removal of all temporary works and control devices used in the provisions for traffic
- z) design and construction of side-tracks, where no separate item is provided for this work in the schedule
- aa) inspections of temporary traffic management, including vulnerable road user (cyclists, pedestrians and motorcyclists) infrastructure and travelled paths (where required)
- bb) drive throughs and walk throughs of temporary traffic management, including vulnerable road user (cyclists, pedestrians and motorcyclists) infrastructure, following implementation
- cc) supply, installation, maintenance and removal of temporary barriers other than those nominated in Clause 1 of Annexure MRS02.1
- dd) supply, installation, maintenance and removal of temporary barrier end treatments other than those nominated in Clause 2 of Annexure MRS02.1
- ee) supply, installation, maintenance and removal of anti-gawking screens other than those nominated in Clause 3 of Annexure MRS02.1, and
- ff) all other operations associated with the implementation, maintenance and removal of temporary traffic management as required by the MUTCD Part 3, QGTTM and any other contractual and legislative requirements.

Item 20020 Administration of temporary traffic management

Work Operations incorporated in the above items include:

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specification*
- b) ensuring that any delays to the passage of traffic are not greater than that specified in MRS02
- c) provision of any information required for public notices
- d) provision of out-of-hours representatives
- e) recording of all work site signing and delineation, keeping of records and provision of records, and
- f) all other operations associated with the Contractor's administration of temporary traffic management as required by the MUTCD Part 3, QGTTM and any other contractual and legislative requirements.

2.3 Calculation of quantities

Calculation of quantities for the supply of temporary measures for the provision of traffic, shall be based on the quantity provided by the Contractor in accordance with the Contract.

Calculation of quantities for the installation of temporary measures for the provision of traffic, shall be based on the quantity installed by the Contractor in accordance with the Contract with each installation measured separately.

2.4 Provision of temporary barriers

The Principal will pay separately for the supply and/or installation of barriers only where such barriers are specifically referred to in Clause 1 of Annexure MRS02.1.

The Contractor shall be deemed to have made due allowance in Work Item 20019 Implementation, maintenance and removal of temporary traffic management for the supply and installation of temporary barriers other than those referred to in Clause 1 of Annexure MRS02.1.

2.5 Provision of temporary barrier end treatments

The Principal will pay separately for the supply and/or installation of temporary barrier end treatments only where such end treatments are specifically referred to in Clause 2 of Annexure MRS02.1.

The Contractor shall be deemed to have made due allowance in Work Item 20019 Implementation, maintenance and removal of temporary traffic management, for the supply and installation of temporary barrier end treatments other than those referred to in Clause 2 of Annexure MRS02.1.

2.6 Provision of anti-gawking screens

The Principal will pay separately for the supply and/or installation of anti-gawking screens only where such screens are specifically referred to in Clause 3 of Annexure MRS02.1.

The Contractor shall be deemed to have made due allowance in Work Item 20019 Implementation, maintenance and removal of temporary traffic management for the supply and installation of anti-gawking screens other than those referred to in Clause 3 of Annexure MRS02.1.

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