



Supplementary Specification

MRC Supplementary Specification 8510 Raised Safety Platform

Revision 3.0

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8510.1 Introduction

This supplementary requirement applies to the supply and installation of proprietary raised safety platforms (rubber speed cushions), and other insitu construction type raised safety platforms as detailed in the project drawings. The proposed product and installation procedure are to be confirmed with the Superintendent. Where pavers are utilised for the “flat top” of the raised platform or as a pavement threshold MRC Supplementary Specification 8901 Segmental Paving must be read and referred to in conjunction with this specification.

8510.1.1 Definition of Terms

This section describes any term which are specific to this specification or requires clarification due to an ambiguous understanding.

The terms used in this Technical Specification shall be as defined in Clause 2 of MRTS01 *Introduction to Technical Specifications*. Additional terms used in this Technical Specification are defined in the Table below.

Term	Definition
Raised Safety Platforms	Defined as constructed infrastructure of raised elongated sections manufactured from recycled material (usually rubber) or insitu constructed which can be utilised for the purpose of reducing speed.

8510.2 Referenced Documents

This supplementary specification shall be read in conjunction with the following:

- MRS01 and MRTS01 *“Introduction to Technical Specifications”*;
- MRS05 and MRTS05 *“Unbound Pavement”*;
- MRS45 and MRTS45 *“Road Surface Delineation”*;
- MRS50 and MRTS50 *“Specific Quality System Requirements”*;
- MRS51 and MRTS51 *“Environmental Management”*;
- MRS70 and MRTS70 *“Concrete”*;
- MRS71 and MRTS71 *“Reinforcing Steel”*;
- MRS14 & MRTS14 *“Road Furniture”*;
- MRS11,12,20,21,22 & MRTS11,12,20,21,22 as applicable for seal treatment;
- MRS30 & MRTS30 *“Asphalt Pavements”*;
- Austroads Guide to Traffic Management Part 8: Local Area Traffic Management;
- Austroads Guide to Road Design Part 3 – *“Geometric Design”*
- Austroads Guide to Road Design Part 4 – *“Intersections and Crossings, General”*
- Austroads Guide to Road Design Part 4A – *“Unsignalized and Signalise Intersections”*
- Austroads Guide to Road Design Part 6A – *“Paths for Walking and Cycling”*;
- AS 1742.2 *“Manual of Uniform Traffic Control Devices - Traffic Control Devices for General Use”*;
- AS 1742.9 *“Manual of Uniform Traffic Control Devices – Bicycle Facilities”*
- AS 1742.10 *“Manual of Uniform Traffic Control Devices – Pedestrian Control and Protection”*



- AS 1742.13 “Manual of Uniform Traffic Control Devices – Local Area Traffic Management”
- AS 4586 “Slip Resistance Classification of New Pedestrian Surfaces”;
- MRC Supplementary Specification 8901 “Segmental Paving”;
- MRC Standard Drawing A3-08415 “*Standard Typical LATM Devices*”;
- Preferred supplier’s / manufacturer’s specifications; and
- the project Drawings.

8510.3 Description of Work

Work items incorporated by this supplementary specification are identified in Section 8510.6 and 8510.7 with individual activities/tasks for measurement and payment sourced from the Bill of Quantities and listed in MRC Supplementary Specification Annexure 8510_1 Raised safety platforms Section 1

8510.4 Quality Systems Requirements

8510.4.1 Std Test Methods (Testing Regime)

The following minimum testing regime applies to this specification:

Unless otherwise stated the manufacturer certification of the rubber raised safety platform shall form the basis of the requirements.

Pavers shall be tested or carry certification for compliance with MRC Supplementary Specification 8901 Segmental Paving prior to delivery to site, and at the completion of construction/installation.

Concrete, pavement, and seal testing shall be carried out as per the relevant MRTS Specification.

All surface types shall be tested for “slip resistance” for pedestrian traffic and vehicular traffic and comply with as a minimum classification “W” according to AS 4586 for the Wet Pendulum Test. Where specific localities or levels of usage require a higher slip resistance classification, this classification shall be indicated on the Drawings or within MRC Supplementary Specification Annexure 9510_1 Raised Safety Platforms.

Unless otherwise approved by the Superintendent all surfaces shall be tested for “skid resistance” in accordance with TMR skid Resistance Management Plan (SRMP) and referenced documents, pavement markings shall be tested as required by AS4049.

8510.4.2 Hold Points, Witness Points and Milestones

Milestone

Milestone is a point within a project which marks the start or completion of an activity or compliance requirement. Generally associated with provision of records or data for verification with the projects contract and specification.

Hold Points

Hold points are noted on various Sections of this Specification.

“HOLD POINTS” are critical stages of the work, which require inspection by the Superintendent (or his nominated representative) and beyond which the Contractor will not be permitted to proceed without the written approval of the Superintendent.

A written “request for inspection” form shall be submitted to the Superintendent at least 48 hours prior to reaching the relevant “HOLD POINT”. One copy shall be submitted for each inspection. The signed



copy will be handed back to the Contractor after the inspection to sanction work to proceed to the next stage or noting what work has to be done prior to re-inspection. This may involve inspection of the works by the Superintendent or approval of test results forwarded to the Superintendent by the Contractor.

Witness Points

Witness points are also important stages of work. However, these are not necessarily as critical work stages as defined by the hold points. Witness points are where the Superintendent (or his/her nominated representative) may review, witness, and inspect the work. The activities however may continue to proceed.

The following table represents the minimum inspection requirements for this specification;

Activity	Inspection Type	When	Clause
Product Type proposed for use, Construction Procedure and Traffic Management Plan (with TGS's) and other submissions as required by Clause 8508.5	Milestone	4 Weeks prior to works commencing	8510.5
Inspection of materials and documentation	Hold Point	As delivered to site	8510.6.3
Removal of existing raised safety platform	Witness Point	During and at completion of removal of existing raised safety platform	8510.6.4
Layout survey through spot marking surface	Hold Point	During site layout survey prior to works commencing.	8510.6.5
Rubber Proprietary Raised Safety Platform			
Foundation and pavement works (as required)	Hold Point	During works for compliance to MRTS04 & MRTS05	8510.6.6.1
Seal design and pavement seal works (as required)	Hold Point	Prior to sealing of pavement	8510.6.6.1
Asphalt works (as required)	Witness Point	After primer seal has been carried out and approval to proceed given	8510.6.6.1
Concrete pour conforms to MRTS 70, and Contractors works procedure	Hold Point	Prepour and during concrete pour	8510.6.6.2
Post concrete pour inspection for finish and survey compliance (as required)	Hold Point	After formwork stripping has occurred and prior to installation of flexible kerbing installation	8510.6.6.2
Prepare surface to manufacturers specification	Witness Point	Prior to spot marking exact location of the flexible kerb	8510.6.6.3
Layout survey through spot marking surface	Hold Point	During site layout survey prior to works commencing.	8510.6.6.4



Activity	Inspection Type	When	Clause
Installation of flexible kerb as required by design drawings and Manufacturers Specification and procedure	Witness Point	After location layout approval by the Superintendent and during installation	8510.6.6.5
As Constructed survey for compliance with manufacturers specification and design drawing requirements	Hold Point	At completion of works	8510.6.6.6
Fixings inspection and testing	Hold Point	After manufacturers specified time for fixing and epoxy set prior to bungs being installed	8510.6.6.6
Insitu Poured Concrete Raised Safety Platform			
Foundation and pavement works, and drainage works	Hold Point	During works for compliance to MRTS04 & MRTS05, and MRC Supplementary Specifications 8107 & 8108	8510.6.7.1
Excavation to inset concrete ramps into pavement	Hold Point	At completion of excavation and trimming of foundation	8510.6.7.1
Seal works required, (including submission of seal design as required)	Hold Point	Prior to setting up for bedding and formwork to ramp/s	8510.6.7.1
Installation of bedding for concrete	Hold Point	At completion of foundation/seal preparation and installation prior to formwork set up	8510.6.7.2
Set up of formwork and reinforcing	Hold Point	Prior to concrete pour proceeding	8510.6.7.2
Concrete pour conforms to MRTS 70, and Contractors works procedure	Witness Point	During concrete pour	8510.6.7.2
Approval to proceed with further works	Hold Point	At the completion of stripping and curing period	8510.6.7.2
Slip Resistance and Skid Resistance testing	Hold Point	At completion of paver installation in compliance with Clause 8510.4	8510.6.7.3
As Constructed survey of installation	Hold Point	At completion of works prior to opening to pedestrian and vehicular traffic	8510.6.7.3
Insitu Poured Concrete Ramps and Inlaid Segmental Paving			



Activity	Inspection Type	When	Clause
Insitu pouring of concrete ramps	Hold Point	As required by Clauses 8510.6.7.1 & 8510.6.7.2	8510.6.8.1
Segmental paving compliance installation	Hold Point	As required by MRC Supplementary Specification 8901	8510.6.8.2
Slip Resistance and Skid Resistance testing	Hold Point	At completion of paver installation in compliance with Clause 8510.4	8510.6.8.3
As Constructed survey of installation	Hold Point	At completion of works prior to opening to pedestrian and vehicular traffic	8510.6.8.3
Installation of Signage and Linemarking	Witness Point	During installation for Compliance	8510.6.9
Clean up of site and preparation for opening to public	Hold Point	At completion of works for "On Maintenance" inspection prior to approval to open to pedestrian and vehicular traffic	8510.6.9
Works as Executed documentation	Hold Point	4 weeks prior to practical completion being requested.	8510.7.1

8510.4.3 Construction Tolerances

Unless noted on the design drawings or otherwise approved by the Superintendent the following construction tolerances shall apply to this Specification;

The construction activity outcome shall not depart from the widths, lengths, heights, and shapes specified by design drawings as applies to this specification;

- Manufacturers dimensions and tolerances for installation of rubber proprietary raised safety platforms;
- Horizontal and vertical tolerances of +/- 10mm's (as applies to concrete kerb Clause 18.4 MRTS03);
- Finished surface shall not deviate from a 3m straight edge laid in any direction by more than 5mm.
- For segmental paved surfaces, tolerances shall be compliant with MRC Supplementary Specification 8901.

Tolerances specific to the project are detailed on the design drawings and are included in Clause 2 of MRC Supplementary Specification Annexure 8510_1 Raised Safety Platforms.



8510.5 Preliminary

The Contractor is to submit or ensure the following documentation is in place 4 weeks prior to delivery or a prestart is conducted.:

- Submission of proposed product to be used including profile with manufacturers specification and certification for consideration and approval;
- Works Procedure – all activities and order of construction;
- Seal design submitted 14 days prior to pavement proof roll inspection (as required);
- Approved traffic management plan and TGS's;
- Quality Plan reflecting requirements of Clause 8510.4;
- Environmental Management Plan;
- Personnel Experience;
- Work Health & Safety Plan.

Other requirements unique to the project will be listed in the MRC Supplementary Specification Annexure 8510_1 Raised Safety Platforms

MILESTONE

8510.5.1 Materials

Supply of all materials to site is the responsibility of the Contractor at their cost, where items are Principal supplied the nominated storage site shall be obtained from MRC Supplementary Specification Annexure 8510_1 Raised Safety Platforms Section 3 and shall be the point of supply.

Unless instructed otherwise by the Superintendent existing components to be salvaged and the nominated storage site will be detailed in MRC Supplementary Specification Annexure 8510_1 Raised Safety Platforms Section 4. This will also include any reuse of existing items.

The Contractor shall be responsible for supplying materials that comply with this Specification or MRC Supplementary Specification Annexure 9510_1 Raised Safety Platforms. Where the approved materials are proprietary the Contractor shall provide a copy of the manufacturer's material specification for the proposed raised safety platform to the Superintendent for approval.

MILESTONE

All other materials shall be supplied and used in accordance with the relevant manufacturers specification and requirements and relevant MRTS and MRC specifications, unless otherwise noted in MRC Supplementary Specification Annexure 8510_1 or approved by the Superintendent.

8510.5.2 Contractors Personnel

Personnel, sub-contractors and suppliers utilised in the preparation of the base, installation of the raised platform shall be experienced in the processes and activities required to carry out the works.

The Contractor shall provide documented evidence for the Superintendent's approval to demonstrate the experience, qualification, skills and training of proposed personnel, sub-contractors a minimum 4 weeks prior to works commencing.

MILESTONE

8510.5.3 Environmental Plan



The Contractors Environmental Plan shall be reflective of the requirements of MRTS51 and MRS51 and be submitted for approval by the Superintendent 4 weeks prior to site works commencing.

MILESTONE

8510.5.3.1 General

The Contractor shall remove all rubbish, debris, disused materials etc., from the Site. The Site shall be maintained in a clean state.

The Contractor shall be responsible for ensuring no debris is deposited on public or private rights of way because of the works outside of the immediate work area, including any deposits arising from the movement of plant and vehicles.

The Contractor shall keep pollution in the vicinity of the Works within reasonable minimum limits noting that this clause does not exempt the Contractor from complying with the limits controlled or required by legislation.

The Contractor shall collect, transport and dispose of waste at a registered waste facility.

8510.5.4 General Workplace Health and Safety Requirements

As a condition of this document, it is required that the Contractor and its workers (including all sub-contractors etc., and their workers) engaged to perform a service or work on site must at all times ensure (so far as reasonably practicable) the health and safety of all persons who are, or may be, affected by work under this Supplementary Specification or the services provided.

8510.5.4.1 Legislative Compliance

Without limiting the Contractor's other obligations, the Contractor must comply with all Acts, Regulations, Standards and Codes of Practice about work health and safety matters that are applicable to the scope of work undertaken or services being provided.

8510.5.4.2 Council Work Health Safety Contractor Requirements

As a minimum, the Contractor must ensure they and their workers (including all Contractor's sub-contractors etc.) comply with the following work health and safety requirements:

- Undertake Council Contractor and site inductions prior to commencing work.
- Ensure all workers are competent, and provide proof of competencies, licenses, and training on request.
- Have an approved safe system of work (including risk assessment) for the task and ensure the work is completed according to this safe system of work.
- Provide adequate supervision for all high-risk construction tasks.
- All incidents and near misses are to be reported to their Council representative within 60 minutes.
- Participate in Contractor pre-start meetings, safety interactions, site meetings and site inspections.
- Review information provided by Council such as site-specific hazards, risks and interaction issues and implement controls to, so far as reasonably practicable, eliminate, or if that is not possible, mitigate the risk.
- Supply safe plant and equipment with pre-start checks, maintenance/ service records and manufacturer's manual.
- For all hazardous chemicals, ensure current Safety Data Sheets (SDS) are available and that appropriate controls (including as required under SDS requirements) are implemented.
- Comply with Council Safety, Drug and Alcohol and Fitness for Work policies.



- Be familiar with applicable site emergency procedures, closest emergency assembly point and sign in and out of site registers where required.
- Compliance with any reasonable direction given by Council relating to work health and safety.

8510.5.4.3 Safe Systems of Work / Risk Assessment

The Contractor must prepare and submit a safe method of work (risk assessment) and relevant controls prior to commencement of work.

The completed risk assessment is to be provided to the Superintendent for review and approval prior to works commencing. Safe Work Method Statements (SWMS) are required for all high-risk construction activities (e.g. entry and work within manholes) and Job Safety Analysis (JSA) or similar risk assessments are required for other tasks. The risk assessment (whether SWMS, JSA or other) must be reviewed and signed by the workers prior to undertaking the work.

MILESTONE

The Contractor shall implement a Safety Management System (SMS) that includes sections addressing the project scope.

8510.6 Construction

This section lays out the works operations with more detail based on specific requirements of this supplementary specification. Some activities may appear to include items which are stated within other specifications, the purpose is to reinforce that requirement specific to this supplementary specification.

Specific construction requirements associated with these works is detailed in MRC Supplementary Specification Annexure 8510_1 Raised safety platforms Section 5

The construction procedure for the installation of the raised safety platforms shall be in accordance with the manufacturer's specifications, and the Contractors construction procedures submitted to the Superintendent for approval prior to works commencing.

8510.6.1 Work Operations

Work operations incorporated in this item are those included in Clause 2.1.5 of MRS01 "Introduction to Standard Specifications" and the following work scope activities and associated sub activities;

8510.6.1.1 Works Scope

The scope of works (including all associated sub activities) covered under this specification is as follows:

- Procure, supply, and store all materials as required;
- Demolition and disposal of existing raised platform (as required)
- Site Layout marked out and approval by Superintendent;
- Pavement works (removal and installation), as required;
- Pavement seal works, as required;
- Formwork and reinforcing works as required;
- Concrete works and associated activities to install raised safety platforms;
- Installation of raised safety platform;
- Preparation of underlying concrete and mortar bed;
- Lay and joint pavers, including compaction;
- Cure and seal pavers;
- Clean up site;



- Test finished surface for slip resistance and skid resistance (as required);
- Collate and submit “As Constructed details.

8510.6.2 Supply of All Materials;

All materials, plant, and labour required to carry out the works under this Specification is to be supplied by the Contractor, where the raised safety platform components and/or fixings are Principal supplied the designated storage site will be the point of supply for the purposes of this Specification.

All items shall be inspected at delivery to site prior to use. Any items which are damaged or do not meet the required specification are not to be used and are to be returned to the supplier.

HOLD POINT

8510.6.3 Existing Raised Safety Platform Removal (as required)

The removal of existing raised safety platform shall be carried out prior to the surface preparation and spot marking of the new raised safety platform where applicable. The Contractors chosen method of removal will be such that any impact on surrounding pavement and environment is minimised i.e saw cutting of existing pavement and surface seal. Any damage caused by the removal of the existing raised safety platform shall be rectified by the Contractor at **no** cost to the Principal.

Existing raised safety platform components and fixings to be salvaged are identified on the design drawings or as directed by the Superintendent. Refer to MRC Supplementary Specification Annexure 8510_1 Raised Safety Platforms for items to be salvaged and the storage site location.

Disposal of any demolished flexible raised safety platform components and fixings not identified as requiring storage shall be disposed of by the contractor at their cost to an approved MRC waste disposal transfer station.

Where the existing raised safety platform is a proprietary structure all existing fixings shall be removed with any surface holes being epoxy sealed or as otherwise approved by the Superintendent.

WITNESS POINT

8510.6.4 Spotting for Placement of the Speed Cushion;

The final location of the raised safety platform is to be spot marked out on site and shall be inspected and approved by the Superintendent prior to installation activities commencing.

HOLD POINT

8510.6.5 Rubber Proprietary Raised Safety Platform

Where proprietary rubber raised safety platforms are to be installed the Contractors work operations shall include but not be limited to the following operations to install and complete the raised safety platform/s;

8510.6.5.1 Pavement Works (where required)

Where pavement works are required as detailed in the design drawings to accommodate the raised safety platform these shall be carried out as per MRTS04 and MRTS05 including testing and inspections.

Finished pavement surface shall be trimmed and finished as required by the design drawings.

HOLD POINT

Seal design is to be submitted to the Superintendent 5 days prior to pavement seal being carried out. Inspection of surface by the Superintendent prior to seal works commencing shall be carried out in conjunction with the Contractor, upon approval to proceed seal works are to be carried out as per the relevant TMR Specification and design drawings unless otherwise directed by the Superintendent.

**HOLD POINT**

Where asphalt is proposed the Superintendent shall give the approval to proceed after the required time has lapsed after the primer seal has cured, with the asphalt to be laid and compacted to the requirements of MRTS30 and the design drawings.

HOLD POINT**8510.6.5.2 Concrete Works (where required)**

Where concrete works are required to be carried out as detailed in the design drawings or manufacturers specification the works shall conform to MRTS70 and Contractors works procedure, including all inspections and testing.

HOLD POINT

Prior to approval to proceed with the installation of the raised safety platforms the concrete works shall be stripped and presented for the Superintendent to inspect the finish and the survey tolerances, no works are to be carried out until the Superintendent gives the approval to proceed

HOLD POINT**8510.6.5.3 Preparation of Surface According to the Manufacturer's Requirements;**

New concrete surfaces shall be allowed to cure for 7 days, and asphalt surfaces shall be allowed to cure for 14 dry days prior to installations.

Existing surfaces shall be prepared and cleaned completely of dust, dirt and loose materials to provide debris free surface as per the manufacturer's requirements.

WITNESS POINT**8510.6.5.4 Spotting for Placement of the Raised Safety Platform;**

The final location of the raised safety platform is to be spot marked out on site and shall be inspected and approved by the Superintendent prior to installation activities commencing. Unless otherwise approved by the Superintendent all new surface fixings are **not** to be installed in the same location/hole as an existing fixing hole.

HOLD POINT**8510.6.5.5 Installation of Rubber Raised Safety Platform,;**

Approval to proceed by the Superintendent must be granted prior to the installation of the proprietary rubber raised platform commencing. The installation of the flexible kerb shall be carried out as required by the manufacturers specification, this includes but not limited to drilling holes, cleaning of drill holes, epoxy application, insertion of fixings, and tightening of fixings.

WITNESS POINT

Any works associated with replacement of non-conforming material and/or construction procedures shall be carried out at no cost to the Principal.

8510.6.5.6 Testing for Conformity With Construction Procedures and Specifications.

The raised safety platform must be tested for slip resistance prior to opening to pedestrian or vehicular traffic, testing shall be carried out as required by Clause 8510.4

For proprietary rubber raised platform prior to the rubber bungs being inserted all fixings are to be tested to ensure they have set solidly and no movement or rotation occurs as required by the manufactures specification. Any segments that move or rotate are to be replaced.

HOLD POINT



An As Constructed survey of the installation/s will be required to ensure location, heights, length, and ramp grades of the raised safety platform is compliant with the design drawings and any manufacturers tolerances.

HOLD POINT**8510.6.6 Insitu Poured Concrete Raised Safety Platform**

Where the design drawings require an insitu poured concrete raised safety platforms to be installed the Contractors work operations shall include but not be limited to the following operations to install and complete the raised safety platform/s;

8510.6.6.1 Pavement Works (where required)

The Contractor shall take into account the impact to pedestrian and vehicular traffic during excavation, preparation of the surface, set up, pouring, and curing of concrete, works shall only be carried out as approved by the Traffic Management Plan and the Contractors approved Works Procedure/s.

Where pavement works are required as detailed in the design drawings to install the raised safety platform these shall be carried out as per MRTS04 and MRTS05 including testing and inspections. Drainage works shall be carried out as required by the design drawings and in accordance with MRTS03, subsoil drain installation shall comply with MRC Supplementary Specifications 8107 and 8108, and their respective Annexures, including all testing and inspections.

HOLD POINT

The concrete ramps shall be cut/inset into the pavement for the minimum depth of concrete with the finished pavement surface trimmed and finished as required by the design drawings.

HOLD POINT

Seal design as required is to be submitted to the Superintendent 5 days prior to pavement seal being carried out. Inspection of surface by the Superintendent prior to seal works commencing shall be carried out in conjunction with the Contractor, upon approval to proceed seal works are to be carried out as per the relevant TMR Specification and design drawings unless otherwise directed by the Superintendent.

HOLD POINT**8510.6.6.2 Concrete Works**

A sand bedding course shall be spread in a single uniform layer and screeded in a loose condition to the nominated design profile and levels plus that necessary to achieve a uniformly thick nominal 20-25mm layer following final compaction.

WITNESS POINT

The Contractor shall set up formwork and reinforcing compliant with the design drawings. Prior to the pouring of concrete a conjoint prepour inspection shall take place with the Superintendent, pouring of concrete shall only occur with the Superintendents approval to proceed.

HOLD POINT

Where concrete works are required to be carried out as detailed in the design drawings or manufacturers specification the works shall conform to MRTS70 including all inspections and testing.

HOLD POINT

The concrete shall be cured for a minimum of seven (7) days, formwork shall be stripped with the Superintendents approval no earlier than 3 days after pouring. The Contractor must ensure compressive strength of the concrete includes 7 day testing to enable earlier determination of the concrete and minimal delay of the works.



The concrete works shall then be stripped and presented for the Superintendent to inspect the finish and the survey tolerances, no further works are to be carried out until the Superintendent gives the approval to proceed. This includes if the works have independent staged components.

HOLD POINT

8510.6.6.3 Testing for Conformity With Construction Procedures and Specifications.

The raised safety platform must be tested for slip resistance and skid resistance prior to opening to pedestrian or vehicular traffic, testing shall be carried out as required by Clause 8510.4.

HOLD POINT

An As Constructed survey of the installation/s will be required to ensure location, heights, length, and ramp grades of the raised safety platform is compliant with the design drawings and any manufacturers tolerances.

HOLD POINT

8510.6.7 Insitu Poured Concrete Ramps and Inlaid Segmental Paving

Where the design drawings require an insitu poured concrete ramps to a raised safety platform with inlaid segmental paving to be installed the Contractors work operations shall include but not be limited to the following operations to install and complete the raised safety platform/s;

8510.6.7.1 Pavement and Concrete Works

For the purpose of installing the insitu poured ramps works shall be carried out as required by Clauses 8510.6.6.1 and Clause 8510.6.6.2.

Where the raised safety platform forms part of the road pavement the concrete platform shall be poured with an inset to accommodate the sand bedding and the pavers. The contractor shall allow for this in their concrete formwork set up and concrete pour.

8510.6.7.2 Segmental Paving Works to Top of Platform

The supply, installation and finish of the paving shall be carried out and comply with MRC Supplementary Specification 8901 and its Annexure.

HOLD POINT

Pavers carrying vehicular traffic must be laid on a bedding sand and concrete base as required by the design drawings.

8510.6.7.3 Testing for Conformity With Construction Procedures and Specifications.

The raised safety platform must be tested for slip resistance and skid resistance prior to opening to pedestrian or vehicular traffic, testing shall be carried out as required by Clause 8510.4.

HOLD POINT

An As Constructed survey of the installation/s will be required to ensure location, heights, length, and ramp grades of the raised safety platform is compliant with the design drawings and any manufacturers tolerances.

HOLD POINT

8510.6.8 Installation of Linemarking and Signage, and Clean Up of Site

Signage and linemarking shall be carried out in accordance with MRTS14 and MRTS45 and the design drawings unless otherwise directed by Superintendent.

WITNESS POINT



The site is to be cleaned of all debris, waste, and construction materials prior to the structure being opened to pedestrian or vehicular movements, and an “On Maintenance” inspection being carried out. Unless otherwise agreed to (due to staging of works) the raised safety platform must not be opened without approval by the Superintendent.

HOLD POINT

8510.7 Post Construction

Items which close out the project, and readies the project for the “On Maintenance” inspection. All items below **MUST** be complied with prior to the Contractor requesting an “On Maintenance” inspection.

8510.7.1 Collection and submission of all As Constructed Data.

Contractor is to supply and submit “As Constructed” documentation as required by *MRC D20 - Drawings and Documentation* for approval by the Superintendent 4 weeks prior to requesting an “On Maintenance” inspection.

HOLD POINT

Certification of works shall be submitted with the “As Constructed” Plans and documentation.

Format of submitted “As Constructed” documentation shall be compliant with MRC Supplementary Specification 8919.

8510.8 Measurement and Payment

Provision for these works shall be included in the scheduled unit rate for the items shown in Clause 8510.3 of this Supplementary Specification and Annexure. No separate payment will be made for the works specified in this Supplementary Specification or its Annexure.

Any works associated with replacement of non-conforming material and/or construction procedures shall be at no cost to the Principal.

Version Control:

Version	Description	Reviewed / Endorsed	Date
1.0	Original issue	R. Mogg	20.01.2022
2.0	Review of Specification	C. Sultana	16.01.2024
3.0	Full Review fo Specification	C. Sultana	19.01.2026