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Applicable Design and Construction Standards and Technical Specifications for Road Works

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New Roads and Roadworks Regulations

The designing, building, or the carrying out of maintenance or other works on any road shall comply with the following Design and Construction Standards for Road Works, which shall be accessible to the public at the offices of the Authority, during normal office hours or on any online medium:

Volume 1 - Specifications for Road Works;

Volume 2 - Notes for Guidance on the Specification for Road Works;

Volume 3 - Road Construction Details;

Volume 4 - Method of Measurement for Road Works and Notes for Guidance of Measurement of Road Works;

Volume 5 - Design Manual for Roads and Bridges;

Volume 6 - Guidelines for the Standard Presentation of Design Documents for Road Construction;

Volume 7 - Directives for the Standardisation of Pavements for Traffic Areas.

The above volumes will be detailed further below.

Legislation: Subsidiary Legislation 499.57 New Roads and Roadworks Regulations

English: <https://legislation.mt/eli/sl/499.57/eng/pdf>

Malti: <https://legislation.mt/eli/sl/499.57/mlt/pdf>

1A. Road Construction – Specifications

Volume 1: Specifications for Road Works consists of the following sections:

Series 100 - Preliminaries
Series 200 - Site Clearance
Series 300 - Fencing
Series 400 - Safety Fences, Safety Barriers and Pedestrian Guardrails
Series 500 - Drainage and Service Ducts
Series 600 - Earthworks
Series 700 - Road Pavements - General
Series 800 - Road Pavements - Unbound, Hydraulically Bound and Other Materials
Series 900 - Road Pavements – Bituminous Bound Materials
Series 1000 - Road Pavements - Concrete and Cement Bound Materials
Series 1100 - Kerbs, Footways and Paved Areas
Series 1200 - Traffic Signs
Series 1300 - Road Lighting Columns and Brackets and CCTV Masts
Series 1400 - Electrical Work for Road Lighting and Traffic Signs
Series 1500 - Motorway Communications
Series 1600 - Piling and Diaphragm Walling
Series 1700 - Structural Concrete
Series 1800 - Structural Steelwork
Series 1900 - Protection of Steelwork Against Corrosion
Series 2000 - Waterproofing for Concrete Structures
Series 2100 - Bridge Bearings
Series 2200 - Parapets
Series 2300 - Bridge Expansion Joints and Sealing of Gaps
Series 2400 - Brickwork, Blockwork and Stonework
Series 2500 - Special Structures
Series 2600 - Miscellaneous
Series 3000 - Landscape and Ecology

Guidelines: <https://www.transport.gov.mt/Volume-1-Specifications-for-Road-Works.pdf-f3914>

1B. Road Construction – Specifications Notes of Guidance

Volume 2: Notes for Guidance on the Specification for Road Works consists of the following:

Series NG 100 – Preliminaries
Series NG 200 - Site Clearance
Series NG 300 - Fencing
Series NG 400 - Safety Fences, Safety Barriers and Pedestrian Guardrails
Series NG 500 - Drainage and Service Ducts
Series NG 600 - Earthworks
Series NG 700 - Road Pavements - General
Series NG 800 - Road Pavements – Unbound, Hydraulically Bound and Other Materials
Series NG 900 - Road Pavements – Bituminous Bound Material
Series NG 1000 - Road Pavements – Concrete and Cement Bound Materials
Series NG 1100 - Kerbs, Footways and Paved Areas

Series NG 1200 - Traffic Signs
Series NG 1300 - Road Lighting Columns and Brackets and CCTV Masts
Series NG 1400 - Electrical Work for Road Lighting and Traffic Signs
Series NG 1500 - Motorway Communications
Series NG 1600 - Piling and Diaphragm Walling
Series NG 1700 - Structural Concrete
Series NG 1800 - Structural Steelwork
Series NG 1900 - Protection of Steelwork against Corrosion
Series NG 2000 - Waterproofing for Concrete Structures
Series NG 2100 - Bridge Bearings
Series NG 2200 - Parapets
Series NG 2300 - Bridge Expansion Joints and Sealing of Gaps
Series NG 2400 - Brickwork, Blockwork and Stonework
Series NG 2500 - Special Structures
Series NG 2600 - Miscellaneous
Series NG 3000 - Landscape and Ecology

Guidelines: <https://www.transport.gov.mt/Volume-2-Notes-for-Guidance-on-the-Specification-for-Road-Works.pdf-f3952>

1C. Road Construction – Road Construction Details

Volume 3: Road Construction Details consists of the standard road construction details used in Malta for high quality and effective road construction methods.

Guidelines: <https://transportmalta.wetransfer.com/downloads/c809c39d8cd2955f30837e99ee2fbc2420181017140921/0d6b95>

1D. Road Construction – Method of Measurement

Volume 4 - Method of Measurement for Road Works and Notes for Guidance of Measurement of Road Works may be found at:

Guidelines: https://www.transport.gov.mt/Volume-4_Section-1.pdf-f3948
https://www.transport.gov.mt/Volume-4_Section-2.pdf-f3949
https://www.transport.gov.mt/Volume-4_Section-3.pdf-f3950

1E. Road Design - Geometric

Volume 5 - Design Manual for Roads and Bridges consists of the following:

This handbook contains extracts from those Standards contained in the ADT Design Manual for Roads and Bridges (ADT DMRB) that relate to the Geometric Design of Roads. The ADT DMRB is based on the UK Design Manual for Roads and Bridges. The information has been selected to represent the most frequently used sections of the Standards. The user should, therefore, be aware that additional information is available in the full Design Manual.

Guidelines: <https://www.transport.gov.mt/Volume-5-ROAD-GEOMETRY-JULY-2003-DMRB-Malta.pdf-f3953>

1F. Road Design – Pavement Options

Volume 7 - Directives for the Standardisation of Pavements for Traffic Areas consists of the following:

1. Introduction
2. Fundamental principles
3. New construction of carriageways and their renewal by removal
4. Renewal of carriageways
5. New construction and renewal of other traffic areas

Guidelines: <https://www.transport.gov.mt/Volume-7-Directives-for-the-Standardisation-of-Pavements-for-Traffic-Areas.pdf-f3955>

1G. Road Safety Auditing

EU Directive 2008/96/EC on Road Infrastructure Safety Management, as transposed into national legislation through subsidiary legislation 499.57 on New Roads and Road Works Regulations.

The trans-European road network defined in Decision No 1692/96/EC of the European Parliament and of the Council of 23 July 1996 on Community guidelines for the development of the trans-European transport network, is of paramount importance in supporting European integration and cohesion as well as ensuring a high level of well-being. In particular, a high level of safety should be guaranteed.

In its White Paper of 12 September 2001 'European transport policy for 2010: time to decide' the Commission expressed the need to carry out safety impact assessments and road safety audits, in order to identify and manage high accident concentration sections within the Community. It also set the target of halving the number of deaths on the roads within the European Union between 2001 and 2010.

In its Communication of 2 June 2003 'European Road Safety Action Programme, Halving the number of road accident victims in the European Union by 2010: A shared responsibility' the Commission identified road infrastructure as the third pillar of road safety policy, which should make an important contribution to the Community's accident reduction target.

In recent years, major advances have been made in vehicle design (safety measures and the development and application of new technologies) which have helped to reduce the number of people killed or injured in road accidents. If the target set for 2010 is to be achieved, action must be taken in other areas too. Managing the safety of road infrastructure offers plenty of scope for improvement, which must be used to advantage.

The setting up of appropriate procedures is an essential tool for improving the safety of road infrastructure within the trans-European road network. Road safety impact assessments should demonstrate, on a strategic level, the implications on road safety of different planning alternatives of an infrastructure project and they should play an important role when routes are being selected. The

results of road safety impact assessments may be set out in a number of documents. Moreover, road safety audits should identify, in a detailed way, unsafe features of a road infrastructure project. It therefore makes sense to develop procedures to be followed in those two fields with the aim of increasing safety of road infrastructures on the trans-European road network, whilst at the same time excluding road tunnels which are covered by Directive 2004/54/EC of the European Parliament and of the Council of 29 April 2004 on minimum safety requirements for tunnels in the trans-European road network.

Link: <https://op.europa.eu/en/publication-detail/-/publication/d22cac93-b39b-4182-8ce6-2463bd975628/language-en>

As per obligation in article 8 of EU Directive 2008/96/EC the *Technical Guidelines for the Preparation of Road Safety Audits Road Safety Impact Assessments and Road Safety Inspections* were prepared.

Guidelines: <https://www.transport.gov.mt/Technical-Guidelines-for-the-Preparation-of-Road-Safety-Audits-Road-Safety-Impact-Assessments-and-Road-Safety-Inspections.pdf-f1661>



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