

Upcoming Publications

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TII Standards Roadshow 2023
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Recent Publications



Welcome to TII Publications

TII's online suite of Standards and Technical publications related to National Road, Greenway and Light Rail networks in Ireland.

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Outline of TII Publications

TII Publications is an online suite of technical documentation relating to National Road, Greenway and Light Rail schemes.

TII Publications are categorised as Standards or Technical. All documentation for implementation on National Road and Greenway schemes is collectively referred to as TII Publications (Standards), and all other documentation within the system is collectively referred to as TII Publications (Technical).

Visit [Who We Are](#) for information on the TII Publications system.

For further information on TII Publications, please refer to Introduction to the TII Publications System, [GE-INT-01029](#)

> Recent Changes

View a summary of recent changes to TII Publications

> Forward Look

Anticipated updates to TII Publications and estimated publication dates

> Downloads

Downloads relating to Standards and Technical documents

> Training Material

Material presented at TII training sessions



Recent Changes

Select a publication date below to download a summary.

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— 2023

- [February-2023.pdf](#)

— 2022

- [April-2022.pdf](#)
- [August-2022.pdf](#)
- [December-2022.pdf](#)
- [July-2022.pdf](#)
- [October-2022.pdf](#)
- [Sept-2022.pdf](#)



TII Publications

Update to TII Publications

The table below lists all documentation published to TII Publications on 24 February 2023.

| TII Publication Number | TII Publication Title | Status | Set | Publication Notes |
|---|--|------------------|-----------|------------------------------------|
| DN Design (DN) | | | | |
| DN-STR-03004 | Bridge Bearings. Use of BS 5400: Part 9: 1983 | Withdrawn | Standards | Requirements covered elsewhere |
| DN-STR-03006 | Expansion Joints for Use in Road Bridge Decks | Updated Document | Standards | |
| DN-STR-03020 | The Structural Design of Road Structures | New Document | Technical | |
| DN-GEO-03046 | The Location and Layout of Lay-bys and Location Markers | Withdrawn | Standards | Requirements being reviewed by TII |
| PE Planning & Evaluation (PE) | | | | |
| PE-PAG-02044 | Project Appraisal Guidelines for National Roads Unit 11.0 – Financial Appraisal | Updated Document | Technical | |
| PE-PAG-02045 | Project Appraisal Guidelines Unit 2.3 – Logic Path Modelling | New Document | Technical | |
| RE Research (RE) | | | | |
| RE-ENV-07008 | Environmental Planning of National Road and Greenway Projects | New Document | Technical | |
| RE-PAV-00002 | The Use of Road Tar in Ireland and Research of Treatment Protocols | New Document | Technical | |
| RE-PAV-00003 | Characterising Texture & Chip Distribution in Hot Rolled Asphalt using 3D Modelling Techniques | New Document | Technical | |
| CC Construction & Commissioning (CC) | | | | |
| CC-GMP-00054 | TII Schedule of Rates 2023 | Updated Document | Technical | |
| CC-SCD-01850 | Single Leaf Abutment Gallery Door | New Document | Standards | |

May Publication – subject to change

| TII Publication Number | TII Publication Title | Status | Set | Publication Notes |
|--|---|------------------|-----------|-------------------|
| DN Design (DN) | | | | |
| DN-GEO-03031 | Rural Road Link Design | Updated Document | Standards | |
| DN-GEO-03036 | Cross Sections and Headroom | Updated Document | Standards | |
| DN-GEO-03060 | Geometric Design of Junctions (priority junctions, direct accesses, roundabouts, grade separated and compact grade separated junctions) | Updated Document | Standards | |
| PE Planning & Evaluation (PE) | | | | |
| PE-PAG-02036 | Project Appraisal Guidelines for National Roads Unit 13.0 - Appraisal of Active Modes | Updated Document | Technical | |
| PE-PMG-02041 | Project Management Guidelines | Updated Document | Technical | |
| PE-PMG-02042 | Project Manager's Manual for Major National Road Projects | Updated Document | Technical | |
| PE-PMG-02043 | Project Manager's Manual for Minor National Road Projects | Updated Document | Technical | |

| CC Construction & Commissioning (CC) | | | | |
|---|--|--------------|-----------|--|
| CC-SCD-00051 | Active Travel At-Grade Crossing of National Road, with Development of Central Island | New document | Standards | |
| CC-SCD-00052 | Signage Layout for Active Travel At-Grade Crossing of National Road | New document | Standards | |
| CC-SCD-00053 | Termination of Active Travel Facility and transition to road with Hard Shoulder | New document | Standards | |
| CC-SCD-00054 | Termination of Active Travel Facility and transition to road with Hard Strip | New document | Standards | |

Standards – Drivers for Change

- Sustainability
- Ongoing developments in international standards
- Compliance with the EU regulations
- Technical developments (materials, products, systems)
- Research - both internal and external
- Feedback from National Roads Projects e.g. MMARC Contracts
- TII Policy Development
- Input from industry

Future publications – coming soon

- Bituminous Materials – Product Category Rules Standard
 - The proposed standard is a new standard based on and complementing EN 15804, ISO 14025 and IGBC document “Product Category Rules: Part A”.
 - This document provides additional rules for Life Cycle Assessments (LCA) and Environmental Product Declarations (EPDs), specifically for bituminous mixtures. It complements the core product category rules for all construction products and services as established in EN 15804 as well as the additional rules set in the IGBC document “Product Category Rules: Part A”.
 - An EPD communicates verifiable, accurate, non-misleading environmental information for products and their applications, thereby supporting scientifically based, fair choices and stimulating the potential for market-driven continuous environmental improvement.



TII Publications



Complementary Product Category Rules for Bituminous Mixtures (c-PCR Bituminous Mixtures)

DN-PAV-XXXXX

xxx 2023



Standards

Future publications – coming soon

- TII Sustainability Implementation Plan – Practical Guide for Projects
 - To make policy and plans accessible and understandable
 - Raise level of knowledge in sustainability implementation
 - Help implement sustainability in TII projects
- Presentation during Roadshow Day 2 – 31st May



TII Publications



TII SIP Practical Guide for Projects

GE-GEN-01101
xxx 2023

GE General

Technical

Future publications

- Drainage – Series 500 Updates
 - Technical review of DN-DNG-03022 with regards to catch pit depths and pipe sizes and new SCDs.
 - A full review of the SCDs last published in 2015.
- Landscaping Specification
 - There is currently no Standard or Guidance note available relating to the design and detailing of soft landscape treatments and planting associated with National Road Schemes in and around settlements. A new Standard will be published along with an Overarching Technical Document.
- Population and Human Health Assessment Standards
 - There are inconsistencies in reporting and assessment of Population and Human Health Assessments in Environmental Impact Assessment Reporting for road, greenway, and active travel schemes. A new Standard is being developed to address this.

Future publications

- Circular Economy Workbooks
 - A series of Circular Lifecycle Guides for Project and Programme Managers will be developed for different assets Each Circular Lifecycle Guide will include circular economy principles, objectives, actions and worked examples of how the principles will be applied to projects.
- Variable Message Signs – Standard
 - The current TII VMS standard, DN-ITS-03037, is now some 20 years old, the standard quotes TD 33/90 which is 30 years old. Technology around, and the implementation of, VMS has changed substantially in the 30 years since TD 33/90 was written.
- Aesthetics of Road Structures
 - Currently the requirements for bridge aesthetics and typical/standard details are defined by the Employer in the contract documents. The objective of this new standard is to provide an overarching document on the aesthetics of road structures – it will cover aspects related to processes and procedures, as well as requirements related to structural form and detailing principles.

Future publications

- Updates to Series 600
 - CC-SPW-00600 sets out minimum requirements for Earthworks. The current version of Series 600 was published in 2013. It is proposed to update this specification to reflect advancement in industry standards and best practise over the intervening period and, also to align the specification with the sustainability and circular economy principles in terms of the approach to materials management, optimal reuse of materials and minimisation of waste.
- Ground Investigation Guidance
 - Ground investigation data plays a crucial role in earthworks design. This guidance document intends to assist Employers and Consultants in the planning, design, procurement, supervision, and management of ground investigations.
- Falling Weight Deflectometer Guidance
 - To facilitate the implementation of the new IAPDM performance-based approach to pavement design for new and existing pavements, TII require the development of a methodology for the works performance testing for UGM and bound pavement layers using FWD, and to bring together the pavement assessment methodologies for existing pavements including FWD, GPR, DCP etc. under a single document.

Future publications

- Vehicle Restraint Systems - Ramped Terminals
 - Standard Construction Details will be published presenting suitable anchorage options for use with ramped down terminals in addition to any updates required to Standard.
- Passive Safety of Road Equipment
 - Develop a national Standard relating to the use of passively safe products on the national road network and address any inconsistencies that may currently exist in the Specification for Works (SPW), associated guidance (GSW) and Requirements for Measuring and Pricing (RMP) documents under the Construction and Commissioning (CC) activity of TII Publications.