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Transport Infrastructure Ireland

TII Publications

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Temporary Safety Measures Inspection

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NRA DMRB and MCDRW References

For all documents that existed within the NRA DMRB or the NRA MCDRW prior to the launch of TII Publications, the NRA document reference used previously is listed above under 'historical reference'. The TII Publication Number also shown above now supersedes this historical reference. All historical references within this document are deemed to be replaced by the TII Publication Number. For the equivalent TII Publication Number for all other historical references contained within this document, please refer to the TII Publications website.

Temporary Safety Measures Inspection

December 2014

Summary:

This Standard provides guidance on establishing an inspection system for Temporary Safety Measures applying to road works on National Roads.

**VOLUME 5 ASSESSMENT AND
PREPARATION OF ROAD
SCHEMES**

**SECTION 2 PREPARATION AND
IMPLEMENTATION**

PART 2

NRA HD 16/14

**TEMPORARY SAFETY MEASURES
INSPECTION**

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1. INTRODUCTION

General

- 1.1 The objective of this Standard is to establish an inspection system for Temporary Safety Measures applying to road works, to ensure that the Standard applying to Temporary Safety Measures at road works (referenced in 1.5 below), are properly applied, and to record possible impacts on the safety of traffic flow.
- 1.2 This Standard supersedes NRA HD 16/12 Temporary Safety Measures Inspections. This Standard has been updated and minor revisions have been made throughout. The principal changes are as follows:
 - a) The standard report format website address has been revised (paragraph 1.8)
 - b) “Notification Process” has been added (paragraph 2.7)
 - c) The NRA Standards website has been revised (paragraph 1.16)
 - d) Table 2/1 Frequency of Inspections has been revised
- 1.3 This Standard addresses the requirements of the EU Directive 2008/96/EC on Road Infrastructure Safety Management (RISM) and its transposition into Irish Law under Statutory Instrument 472/2011.

Definitions

1.4 *Authority:*

For National Roads the Authority is the National Roads Authority (NRA).

1.5 *Road Works:*

Occur where the normal function of the public road used by any road user, including non-motorised users, is affected or interrupted at any time to facilitate the construction or maintenance of the public road, public or private utilities or any adjoining or overhead sites.

1.6 *Road Operator:*

A Road Operator is defined as a company undertaking construction, maintenance or operation of a National Road under a contract agreement with the Authority, and in circumstances where direct responsibility for the construction, maintenance or operation of the section of road has been transferred to the company. A Road Operator may be appointed under a Public Private Partnership or other form of contract with the Authority.

1.7 *Safety Management System:*

The Safety, Health and Welfare at Works Act, 2005 requires an employer to provide systems of work that are planned, organised, performed, maintained and revised as appropriate so as to be, so far as is reasonably practicable, safe and without risk to health.

1.8 *Statutory Undertaker:*

Means the parties involved in conducting media or apparatus for water, sewage, electricity, gas, oil, telecommunications, data, steam, air, or other services, and associated apparatus or structures, together with any privately owned services.

1.9 *Temporary Safety Measures Inspection:*

An inspection of Temporary Safety Measures at road works to ensure that standards on Temporary Safety Measures at road works are properly applied.

1.10 *Temporary Safety Measures Inspection Team:*

For the purposes of this Standard a Temporary Safety Measures Inspection Team shall comprise of competent inspectors appointed by the Relevant Road Authority, as defined in Paragraph 2.4 of the document.

1.11 The current NRA training and experience requirements for Temporary Safety Measures Inspection Team are subject to change and are available to download from the NRA Standards website: http://nrastandards.nra.ie/images/stories/Standards/Other_Standards_Docs/nrahd16_teamqual.pdf.

1.12 This Standard shall ensure that individual road authorities, Road Operators and Statutory Undertakers set out a process within their Safety Management Systems requirements that facilitate the implementation of this Standard.

1.13 This Standard does not provide information on the design and implementation of Temporary Safety Measures.

1.14 Reference should be made to the following documents for guidelines applicable to the design and implementation of Temporary Safety Measures:

- a) Chapter 8 of the *Traffic Signs Manual* published by the Department of Transport, Tourism and Sport, and
- b) Guidance for the Control and Management of Traffic at Road Works issued jointly by Local Authorities, the National Roads Authority, the Department of Transport, Tourism and Sport and by the Local Government Management Services Board.

1.15 Standardisation of the reporting format for Temporary Safety Measures Inspections is desirable for the following reasons:

- a) It indicates to the Inspection Team the quantity and quality of the information required;
- b) It enables the NRA to directly compare common report information;
- c) It enables the NRA to monitor where certain issues are reoccurring from inspection to inspection;
- d) It enables easier monitoring of the quality and consistency of these inspections.

1.16 The standard report format is available to download from the NRA website:

<http://www.nra.ie/safety/design-manual-roads-and-b/nra-hd16-temporary-safety/>

2. TEMPORARY SAFETY MEASURES INSPECTION

Temporary Safety Measures Inspection

- 2.1 Temporary Safety Measures Inspections shall apply to all National Roads except as noted in Paragraph 2.2.

Exemption

- 2.2 This Standard does not apply to road tunnels which are covered by Directive 2004/54/EC of the European Parliament; however road works on the approaches to tunnel portals may be inspected.

Scope of Temporary Safety Measures Inspection

- 2.3 The primary purpose of a Temporary Safety Measures Inspection is to ensure that the Standard applying to Temporary Safety Measures at Road Works are properly applied and to record possible impacts of Road Works on the safety of traffic flow.
- 2.4 Temporary Safety Measures Inspections shall be undertaken by the relevant bodies as follows:
- a) National Roads Authority shall undertake inspections of Temporary Safety Measures on projects directly procured by the Authority.
 - b) Local Authority shall undertake inspections of Temporary Safety Measures on projects sanctioned and / or procured by the Local Authority.
 - c) Statutory Undertaker/Road Operator shall undertake inspections of Temporary Safety Measures on projects under their management.
- 2.5 The National Roads Authority shall carry out random inspections of Local Authority, Road Operators and Statutory Undertaker's Temporary Safety Measures to verify that Temporary Safety Measures Inspections are being carried out in accordance with this Standard.
- 2.6 The Temporary Safety Measures Inspection shall inspect the sections of Road Works that impact upon road users. The immediate approaches to Road Works shall also be inspected.

Notification Process

- 2.7 All Road Works that include Temporary Safety Measures on National Roads shall be registered on the NRA Temporary Safety Measures web based database prior to implementation. To register for access to this website, email your request to tsmi@nra.ie.

Occurrence of Safety Inspection

- 2.8 The Directive states that "Member States shall ensure that safety inspections are undertaken ...". The Regulations state:
- a) *Safety inspections shall comprise periodic inspections of the road network, and.....be sufficiently frequent to safeguard adequate safety levels for the road infrastructure in question;*
 - b) *Member states shall adopt guidelines on temporary safety measures applying to road works.*

2.9 The frequency of inspections of Temporary Safety Measures shall be generally determined by the duration of the Road Works and shall be subject to the following minimum requirements:

Table 2/1 Frequency of Inspections

Duration of Road Works	% of sites to be inspected per annum	Frequency of Inspection
Exceeding 1 year in duration	100% of sites to be inspected	Quarterly
6 months to 1 year duration	100% of sites to be inspected	Two Inspections
1 month to 6 months in duration	50% of sites to be inspected	Single Inspection
Greater than 1 day, less than 1 month	10% to 20% of sites to be inspected	Single Inspection
1 day in duration	Random	Single Inspection

2.10 The frequencies listed above are intended intervals however; there may be circumstances where it is advisable to increase the frequency of inspections. The frequency of additional inspections shall be determined by the NRA. Circumstances where that may arise are as follows:

- a) On very busy strategic routes.
- b) Where major incremental changes have been made to the Temporary Safety Measures.

Safety and Health

2.11 The Inspection Team should exercise caution when working adjacent to live traffic. Each Inspector must be familiar with, and comply with, current legislation and best practice in relation to occupational health and safety pertaining to inspection or other activities on a live carriageway.

2.12 Websites and other sources providing guidance on safety of works and other activities on live carriageways, should be checked regularly for updates. These include the HSA website www.hsa.ie.

3. REFERENCES

- 3.1 Department of Transport, Tourism and Sport, Traffic Signs Manual [Chapter 8](#)
- 3.2 Local Authorities, the National Roads Authority, the Department of Transport, Tourism and Sport and the Local Government Management Services Board jointly issued [Guidance for the Control and Management of Traffic at Road Works](#), 2010

4. ENQUIRIES

- 4.1 All technical enquiries or comments on this document or any of the documents listed as forming part of the NRA DMRB should be sent by e-mail to infoDMRB@nra.ie, addressed to the following:

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