

NRA ADDENDUM TO

HD 20/92

LOOP DETECTORS FOR MOTORWAYS

Standard HD 20/92 - Loop Detectors for Motorways - is applicable in Ireland with the following amendments:

- 1 Page 2/1, Paragraph 2.3, line 2:
For: "clause 1218 of the Specification for Highway Works."
Read: "Clause 1217 of the NRA Specification for Road Works".
- 2 Page 2/1, Paragraph 2.3, line 5:
For: "Specification for Highway works"
Read: "NRA Specification for Road Works".
- 3 Page 2/1, Paragraph 2.3, line 9:
For: "104 Series of Clauses"
Read "Clauses 104 and 105".
- 4 Page 2/1, Paragraphs 2.4 and 2.5:
Delete Paragraphs 2.4 and 2.5 and replace with:
"2.4 The position and siting of loop detectors along the motorway shall be agreed in advance with the National Roads Authority.

Implementation

2.5 This Standard should be used forthwith for all schemes for the construction and/or improvement of motorways funded by the National Roads Authority. The Standard should be applied to the design of schemes already being prepared unless, in the opinion of the National Roads Authority, application would result in significant additional expense or delay progress. In such cases, Design Organisations should confirm the application of this Standard to particular schemes with the National Roads Authority."

- 5 Page 3/1, Section 3, reference 1:
Delete reference 1 and replace with:
“1. NRA Manual of Contract Documents for
Road Works. Volume 1, Specification for
Road Works.”

6. Page 4/1, Section 4:
Delete text and replace with:
“4.1 All technical enquiries or comments on this Standard should be sent in writing to:

Head of Project Management and Engineering
National Roads Authority
St Martin’s House
Waterloo Road
Dublin 4”.



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E O’CONNOR
Head of Project Management and Engineering



THE DEPARTMENT OF TRANSPORT

HD 20/92



THE SCOTTISH OFFICE INDUSTRY DEPARTMENT



THE WELSH OFFICE
Y SWYDDFA GYMREIG



THE DEPARTMENT OF THE ENVIRONMENT FOR NORTHERN IRELAND

Loop Detectors for Motorways

Summary

This Standard gives requirements for the installation of loop detectors in new motorways, and existing motorways receiving major maintenance.

Subject Area

Highways

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above Overseeing Departments

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REGISTRATION OF AMENDMENTS

Amend No	Page No	Signature & Date of incorporation of amendments	Amend No	Page No	Signature & Date of incorporation of amendments

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VOLUME 9	MOTORWAY COMMUNICATIONS AND CONTROL
SECTION 3	TRAFFIC CONTROL & SURVEILLANCE - STANDARDS OF PROVISION

PART 1

LOOP DETECTORS FOR MOTORWAYS

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1. INTRODUCTION

General

1.1 It has been decided that loop detectors should be installed in new motorways, widened motorways, and in existing motorways during major maintenance, to provide for the future requirements of vehicle detection. These are expected to include automatic signal setting, incident detection, vehicle counting, and ramp metering. Installation in this way will avoid disruption to traffic at later date. This standard gives the requirements to lay loops and integrate them into the communications network. The electronics will be supplied through a specialist contract at a later date, as and when necessary.

Scope

1.2 All proposed new motorways, and motorways to be widened. All existing motorways where major reconstruction or overlay is planned.

2. REQUIREMENTS AND IMPLEMENTATION

Requirements

2.1 Loop detectors shall be installed in the road pavement of all new motorways and widened motorways.

2.2 When existing motorways are reconstructed or overlaid for a continuous length of more than 2km, loop detectors shall be installed in the road pavement.

2.3 Detector loops, and their installation and layout shall comply with clause 1218 of the Specification for Highway Works. Where the installation of loop detectors is procured through a contract incorporating the Specification for Highway works products conforming to equivalent standards of other member states of the European Community will be acceptable in accordance with the terms of the 104 Series of Clauses of that Specification. Any contract not containing these Clauses must contain a suitable clause of mutual recognition having the same effect regarding which advice should be sought.

2.4 The position and siting of loop detectors along the motorway shall accord with TCC Specification MCH 1589.

Implementation


2.5 This standard is mandatory for all schemes expected to be opened after 1 April 1992 except where the Overseeing Department judges that to do so would involve unwarranted additional cost to schemes in progress, or cause delays to opening.

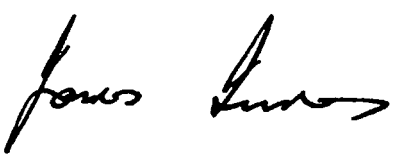
3. REFERENCES

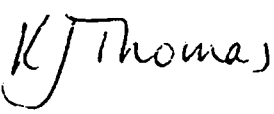
1. The Specification for Highway Works.
Clause 1218.
2. Traffic Control and Communications
Specification MCH 1589.

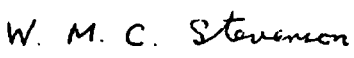
4. ENQUIRIES

All technical enquiries or comments on this Standard should be sent in writing as appropriate to:-

<p>Chief Highway Engineer The Department of Transport St Christopher House Southwark Street London SE1 0TE</p>	 <p>T A ROCHESTER Chief Highway Engineer</p>
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<p>The Deputy Chief Engineer Scottish Office Industry Department New St. Andrews House Edinburgh EH1 3TA</p>	 <p>J INNES Deputy Chief Engineer</p>
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<p>The Director of Highways Welsh Office Y Swyddfa Gymreig Government Buildings Ty Glas Road Llanishen Cardiff CF4 5PL</p>	 <p>K J THOMAS Director of Highways</p>
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<p>Chief Engineer Dept. of the Environment for Northern Ireland Commonwealth House Castle Street Belfast BT1 1GU</p>	 <p>W M C STEVENSON Chief Engineer - Roads Service</p>
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