

# **M1 Junction 19 Improvement**

## **Environmental Statement Volume 2**

### **Chapter 0 Introduction and Contents**

**Final**



**REPORT CONTROL SHEET**

**PROJECT NAME:** M1 Junction 19 Improvement

**REPORT TITLE:** Environmental Statement  
Volume 2  
Chapter 0 Introduction and Contents

**REPORT REFERENCE No:** B0531000/ID/59

<b>Version</b>	<b>Detail</b>	<b>Prepared by: Date</b>	<b>Checked by: Date</b>	<b>Reviewed by: Date</b>	<b>Approved by: Date</b>
Draft	Rev 0	Barry Moore 13/05/09	Susan Moore 14/05/09	Tim Worrall 19/05/09	Dave Riley 19/05/09
Final	Rev 1	Barry Moore 08/07/09	Susan Moore 08/07/09	Tim Worrall 09/07/09	Tim Worrall 09/07/09
Final	Rev 2	Andrew Drake 19/01/10	Robert Peatfield 19/01/10	Stephen Taylor 19/01/10	Stephen Taylor 19/01/10
Final	Rev 3	John Hickey 04/02/10	Robert Peatfield 04/02/10	Andrew Drake 04/02/10	Tim Worrall 04/02/10

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## **0.1 INTRODUCTION**

- 0.1.1 It has been determined that this project is subject to an Environmental Impact Assessment (EIA) which is being reported in an Environmental Statement (ES). The Highways Agency has published a Notice of Determination<sup>1</sup> in accordance with the EIA Regulations<sup>6</sup> to confirm that an EIA is required. This was accompanied by a Record of Determination<sup>2</sup> setting out the environmental issues taken into consideration and the consultations carried out with statutory environmental bodies.
- 0.1.2 The objective of this document is to set out the contents of the ES.
- 0.1.3 The EIA has been carried out in accordance with the EC Directive 85/337/EEC<sup>3</sup> as amended by EC Directive 97/11/EC<sup>4</sup> and the Public Participation Directive 2003/35/EC<sup>5</sup>, collectively referred to as the EIA Directive.
- 0.1.4 The EIA Directive is translated into law in England and Wales by Section 105 of the Highways Act 1980, as amended by the EIA Regulations<sup>6</sup>.
- 0.1.5 As a minimum, an Environmental Statement should contain the following:-
- a description of the project, comprising information on the site, design and size of the project
  - a description of the measures envisaged in order to avoid, reduce and if possible, remedy significant adverse effects
  - the data required to identify and assess the main effects which the project is likely to have on the environment
  - a non-technical summary (NTS) of the information above
- 0.1.6 The ES addresses these issues as set out in the contents below. It is divided into three main sections:-
- an NTS, available separately
  - Volume 1 is a self standing comprehensive report of all issues, covering all topics in summary form. Volume 1 also sets out information about the need for the project, its objectives and history, the alternatives considered and key issues identified. The language is intended to be non-technical with terms explained as they arise, or defined in a glossary. Appendix 1, separately available in an A3 format, contains all the main drawings and illustrations for the project and provides a common reference document to accompany both Volumes of the ES.
  - Volume 2 is a set of topic chapters presented in more detail, more technical in character and each available separately. Each chapter will include specialist drawings and appendices.
- 0.1.7 This format and contents was first set out in the EIA Scoping Report dated March 2009<sup>7</sup> and issued for consultation to a wide range of interested parties, including statutory environmental bodies, local authorities together with environmental and community groups.
- 0.1.8 The key issues to be considered by the EIA were also set out in the Scoping Report<sup>7</sup> and these form the basis of the topics included in Volumes 1 and 2 of the ES and defined below.

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**0.2 CONTENTS**

**Non-Technical Summary**

0.2.1 This is in the format of a colour illustrated leaflet including a plan of the scheme and illustrative cross-sections. Although available separately it is also bound in to Volume 1 of the ES. The NTS is divided into the following sections:-

- Introduction
- Why the improvement is needed
- The project objectives
- Background to the project
- Alternatives considered
- Summary of the proposals
  - Layout
  - Access for Pedestrians, Cyclists and Horse Riders
  - Catthorpe Viaduct
  - Structures
  - Construction
- Environmental effects
- Plan of the project
- Further information
- Your views
- What happens next
- Public exhibition

**Volume 1**

0.2.2 A comprehensive report of all issues, covering all topics in a summary form. The contents are set out in Table 0.1 below:-

**Table 0.1: Detailed Contents for ES Volume 1**

INTRODUCTION	<ul style="list-style-type: none"> <li>• Introduction to the project and its location</li> <li>• Legal basis for the Environmental Statement (ES), including screening.</li> <li>• Purpose of the ES</li> <li>• Scope and structure of the ES</li> <li>• The team preparing the ES</li> <li>• Availability and comments</li> <li>• What happens next</li> </ul>
THE PROJECT	<ul style="list-style-type: none"> <li>• Background and reasons for the project</li> <li>• A brief history of the project to date</li> <li>• Project objectives</li> <li>• Planning background, relevant policies and plans supported by the project</li> <li>• Environmental objectives</li> <li>• The junction and its setting</li> <li>• Description of the proposals, including highways, local road network and public rights of way etc</li> <li>• Mitigation and enhancement measures</li> </ul>

	<ul style="list-style-type: none"> <li>• Land requirements during construction and operation</li> <li>• Construction, operation and long term management</li> <li>• Traffic issues</li> </ul>
ALTERNATIVES CONSIDERED	<ul style="list-style-type: none"> <li>• Road Based Study 2000</li> <li>• Local Road Network</li> </ul>
ENVIRONMENTAL IMPACT ASSESSMENT METHODS	<ul style="list-style-type: none"> <li>• The EIA process</li> <li>• The study area</li> <li>• Scoping and consultations</li> <li>• Surveys and predictive techniques</li> <li>• Indication of any difficulties encountered</li> <li>• Significance criteria</li> <li>• Mitigation and enhancement</li> <li>• Cumulative effects</li> </ul>
STATEMENT OF KEY ISSUES	
<p>IMPACT ASSESSMENT (summarised for each topic as detailed in Volume 2)</p> <p>Topic</p> <ul style="list-style-type: none"> <li>• Air quality and climate change</li> <li>• Cultural heritage</li> <li>• Ecology and nature conservation</li> <li>• Landscape</li> <li>• Materials</li> <li>• Noise and vibration</li> <li>• Effects on all travellers</li> <li>• Community and private assets</li> <li>• Road drainage and the water environment</li> </ul>	<p>Issues covered for each topic</p> <ul style="list-style-type: none"> <li>• Study area</li> <li>• Legislation/ policy framework</li> <li>• Baseline conditions, including value and sensitivity</li> <li>• Mitigation, inc design, mitigation and enhancement measures/monitoring</li> <li>• Environmental impacts</li> <li>• Significance of effects</li> <li>• Indication of any difficulties encountered</li> <li>• Summary</li> </ul>
ASSESSMENT OF CUMULATIVE EFFECTS	<ul style="list-style-type: none"> <li>• Cumulative effects arising from within the project</li> <li>• Cumulative effects from different projects</li> </ul>
OUTLINE CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN	<ul style="list-style-type: none"> <li>• Environmental policy</li> <li>• Environmental management framework</li> <li>• Non conformance and corrective and preventative action</li> <li>• Communication</li> <li>• Complaints</li> <li>• Review</li> </ul>
CONCLUSIONS	<ul style="list-style-type: none"> <li>• Summary of significant effects</li> <li>• Summary of mitigation measures</li> </ul>
NON-TECHNICAL SUMMARY	
REFERENCES	
GLOSSARY	

## **Appendix 1**

0.2.3 This contains all the main drawings and illustrations for the project as a common reference document for Volumes 1 and 2 as follows:-

- Location Plan
- Environmental Master Plan
- Environmental Resources Plan
- Alternatives Considered./ Road Based Study 2000
- Alternatives Considered. Comparative Assessment 2007/8
- Ecological Study Areas
- Areas Required During Construction
- Cross Sections
- Cross Section Location Plan
- Traffic Flows. Existing Layout Current Year (2007)
- Traffic Flows. Existing Layout Opening Year (2014) and Design Year (2029)
- Traffic Flows. Proposed Improvement Opening Year (2014) and Design Year (2029)
- Diversion Routes M1 and M6
- Diversion Routes A14
- Gantry Locations
- Cumulative Developments
- Photomontage Locations
- Photomontage: 8 viewpoints
- Proposed Strategy for Vulnerable Users and Local Vehicle Travellers
- Computer Aided Perspective Of Structures

## **Volume 2**

0.2.4 This comprises a complementary set of topic chapters in more detail than Volume 1 and more technical in character. The chapters as identified in the Scoping Report<sup>7</sup> are as follows:-

- Chapter 0 : Introduction and contents (This Report)
- Chapter 1 : Air quality and climate change
- Chapter 2 : Cultural heritage
- Chapter 3 : Ecology and nature conservation
- Chapter 4 : Landscape
- Chapter 5 : Materials
- Chapter 6 : Noise and vibration
- Chapter 7 : Effects on all travellers
- Chapter 8 : Community and private assets
- Chapter 9 : Road drainage and the water environment

0.2.5 A confidential badger report has also been produced as an addendum to Chapter 3, but will not be published as the information it contains is considered sensitive for reasons of animal welfare.

0.2.6 Each chapter follows the same basic contents as follows:-

- **Introduction** : This also sets out the relevant objectives for each topic and the interactions between the chapters.

- **Methodology** : This sets out the relevant guidance for each topic including the Design Manual for Roads and Bridges (DMRB) Volume 11<sup>8</sup>. Each chapter also sets out the criteria used to define the potential significance of effects for the assessment.
- **Legislation and policy framework** : This sets out the relevant national and international legislation and local land-use policies relevant to each topic.
- **Baseline Conditions** : A description of the existing environmental conditions, together with an analysis of their relative value and sensitivity to environmental impact.
- **Mitigation** : A description of the measures to be included as an integral part of the design and which can therefore be taken into account in terms of avoiding, reducing or remedying adverse effects. This section also identifies measures to enhance the environment and includes future monitoring requirements.
- **Environmental Impact** : Consideration is given to both beneficial and adverse impacts and those which are temporary or permanent in nature. In particular the assessment considers impacts due to the construction of the project and those when the road is complete and operational. Where appropriate, the assessment identifies potential impacts with and without mitigation measures.
- **Significance of effects** : The overall significance of effects is defined taking into account value / sensitivity of the existing environment, the magnitude of impacts and mitigation measures.
- **Indication of any difficulties encountered** : This section identifies, for example, when the assessment may have been hampered by the unavailability of data or access for surveys.
- **Summary** : Overall conclusions. Compliance with objectives set out in the introduction is also assessed.

### **0.3 REFERENCES**

1. M1 Junction 19 Improvement. Notice of Determination February 2009.
2. M1 Junction 19 Improvement. Record of Determination February 2009.
3. EC Directive 85/337/EEC on the assessment of the effects of certain public and private projects on the environment.
4. EC Directive 97/11/EC amending directive 85/337/EEC on the assessment of the effects of certain public and private projects on the environment.
5. EC Directive 2003/35/EC providing for public participation in respect of the drawing up of certain plans and programmes relating to the environment and amending with regarding to public participation and access to justice, Council Directives 85/337/EEC and 96/61/EC.
- 6a. Highways (Assessment of Environmental Effects) Regulations 1988.
- 6b. Highways (Assessment of Environmental Effects) Regulations 1994.
- 6c. Highways (Assessment of Environmental Effects) Regulations 1999.
- 6d. Highways (Environmental Impact Assessment) Regulations 2007.
7. M1 Junction 19 Improvement. Environmental Impact Assessment Scoping Report. Highways Agency March 2009.
8. Design Manual for Roads and Bridges. Volume 11 Environmental Assessment. Highways Agency, as current at June 2009.