

A1 Northumberland: Morpeth to Ellingham

Scheme Number: TR010041

1.1 Introduction to the Application

APFP Regulation 5(2)(q)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009

Volume 1

June 2020

Infrastructure Planning

Planning Act 2008

**The Infrastructure Planning
(Applications: Prescribed Forms and
Procedure) Regulations 2009**

**The A1 in Northumberland: Morpeth to
Ellingham**

Development Consent Order 20[xx]

INTRODUCTION TO THE APPLICATION

Regulation Number:	Regulation 5(2)(q)
Planning Inspectorate Scheme Reference	TR010041
Application Document Reference	TR010041/APP/1.1
Author:	A1 in Northumberland Project Team, Highways England

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1. INTRODUCTION

1.1 Purpose of this document

- 1.1.1 Highways England (the “Applicant”) has submitted an application to the Secretary of State for Transport via the Planning Inspectorate (the “Inspectorate”) under section 37 of the Planning Act 2008 (the “2008 Act”) for a Development Consent Order (DCO) for the A1 in Northumberland: Morpeth to Ellingham (the “Scheme”).
- 1.1.2 The Scheme comprises two sections known as Part A: Morpeth to Felton (Part A) and Part B: Alnwick to Ellingham (Part B). A detailed description of the Scheme can be found in **Chapter 2: The Scheme, Volume 1** of the **Environmental Statement (Application Document Reference: TR010041/APP/6.1)**.
- 1.1.3 This Introduction to the Application provides an accessible guide to the Scheme, Applicant and application, and will assist those in reviewing the application documentation.

1.2 Structure of this document

- 1.2.1 This document comprises 12 sections as described below:
- Chapter 1 – Introduces this document;
 - Chapter 2 – Provides a high-level description of the Scheme;
 - Chapter 3 – Introduces Highways England;
 - Chapter 4 – Gives an overview of the application;
 - Chapters 5 to 11 – These sections explain the purpose of each of the documents submitted; and
 - Chapter 12 – A Glossary of the abbreviations used within the Application.

2. THE SCHEME

2.1 Description

2.1.1 The Scheme aims to increase capacity along an approximately 20.6km section of the existing A1 between Morpeth and Ellingham in Northumberland and comprises the dualling of the existing A1 single carriageway.

Part A

2.1.2 Part A includes approximately 6.5km of online widening and approximately 6.1km of new offline highway and also the construction of a new bridge to carry the new carriageway of the A1 over the River Coquet parallel to the existing road bridge.

2.1.3 Part A includes dualling the existing A1 between Warreners Bridge and Priests Bridge at the southern end of Part A; construction of a new dual carriageway, bypassing west of the existing A1, between Priests Bridge and Burgham Park; dualling the existing A1 between Burgham Park and Felton at the northern end of Part A; three new split-level (grade-separated) junctions, which include a bridge over the A1, will be constructed at Highlaws, Fenrother and West Moor; construction of a new bridge over the A1 at Causey Park and construction of a new road under the A1 at Burgham Park; and the existing A1 between Priests Bridge and Burgham Park bypassed by the new dual carriageway will become part of the local road network and will be owned and maintained by Northumberland County Council (NCC).

Part B

2.1.4 Part B includes approximately 8km of online widening. A new southbound carriageway would be constructed to the east of the existing A1, and the existing A1 would act as a new northbound carriageway. Part B also includes improving the existing junction at Charlton Mires with a new grade-separated junction and a new accommodation overbridge at Heckley Fence.

2.1.5 A number of Private Means of Access (PMAs) will need to be stopped up and replaced with new access routes including new roads for East and West Linkhall, and from the B6347 and Rock South Farm. To facilitate the construction of Part B, sections of an Extra High Voltage (EHV) cable, utility pipes and telecommunication cables would need to be diverted. Part B also includes new drainage features, new and extended culverts, and temporary and permanent Public Right of Way (PRoW) diversions.

2.2 Scheme Objectives

2.2.1 The key objectives of the Scheme are to:

- Improve journey times on this route of strategic national importance;
- Improve network resilience and journey time reliability;
- Improve safety;

- Maintain access for local traffic whilst improving the conditions for strategic traffic; and
- Facilitate future economic growth.

2.2.2 A **Case for the Scheme (Application Document Reference: TR010041/APP/7.1)** and the **Statement of Reasons (Application Document Reference: TR010041/APP/4.1)** accompanies the application.

2.3 Scheme History, Timeline and Future Milestones

2.3.1 The history of the Scheme and future milestones are summarised in **Table 1** below.

Table 1: Scheme History and Milestones

Date	Timeline
2002	<p>A1 Multi Modal Strategy (A1 MMS)</p> <p>The A1 MMS was published by the Secretary of State in December 2002 and appraised a number of scenarios to improve the A1 corridor between Newcastle and the Scottish border. This study considered the safety, operation and the wider potential for economic development resulting from improved transport links within the study corridor, which included the Morpeth to Ellingham stretch of the A1.</p> <p>The appraisal included a consideration of localised improvements to assist the operation of the A1 between Alnwick and Berwick and improve its accident record. It also recommended the dualling of the A1 between Morpeth and Felton.</p>
2003 - 2005	<p>Route Option Selection Process</p> <p>Following the publication of the A1 MMS in 2002, five route options were considered, and a preferred route announced in 2005. This scheme was not subsequently funded.</p>
2011	<p>A1 North of Newcastle Study</p> <p>The A1 North of Newcastle Study was published in 2011. The aim of the study was to consider evidence that could support options to tackle transport challenges on the A1 corridor between Morpeth and the Scottish border, including the Morpeth to Ellingham stretch.</p>
June 2013	<p>Investing in Britain's Future</p>

Date	Timeline
	<p>Investing in Britain's Future was a document published in June 2013 that sets out the Government's intention to build a strong UK economy by delivering infrastructure that competes with the best in the world.</p> <p>It sought to identify and fund solutions to tackle some of the "most notorious and longstanding road hot spots in the country", including feasibility studies to look at the A1 north of Newcastle (which includes the Morpeth to Ellingham stretch).</p>
2015	<p>A1 North of Newcastle Feasibility Study</p> <p>The A1 North of Newcastle Feasibility Study identified issues on the stretch of the A1 to the north of Newcastle, including sections between Morpeth and Ellingham. The issues on the Morpeth to Ellingham stretch of the A1 are set out in the Case for the Scheme (Application Document Reference: TR010041/APP/7.1).</p>
2015	<p>Road Investment Strategy 2015-2020 (RIS1)</p> <p>The Road Investment Strategy (RIS) included an investment package in the A1 to the north of Newcastle which included the creation of: "a continuous, high-quality dual carriageway from Newcastle to Ellingham" which includes the Morpeth to Ellingham stretch.</p>
November to December 2016	<p>Non-Statutory Options Consultation</p> <p>Following the publication of the RIS1, the Non-Statutory Options Consultation considered three options for dualling Part A and one option for dualling Part B. Two further options for the dualling of Part B were discounted prior to consultation as they did not offer value for money.</p>
September 2017	<p>Preferred Route Announcement (PRA).</p> <p>The PRA confirmed the Green Option for Part A and Orange Option for Part B.</p>
2017	<p>London to Scotland East Route-Based Strategy</p> <p>Route Strategies are published by the Government to provide a high level view of the current performance of the</p>

Date	Timeline
	<p>SRN and identify issues perceived by the stakeholders to affect the network.</p> <p>The A1 is a central part of the route, and the Route Strategy confirms that the fact that some stretches of the A1 are still single carriageway: <i>'tends to restrict capacity and can lead to drivers taking risks when overtaking, particularly when travelling behind slow-moving traffic.'</i> (Page 9 of the Strategy: <i>'Current Constraints and Challenges.'</i>)</p>
June – July 2018	<p>Statutory Consultation – Part A</p> <p>Statutory Consultation undertaken on the proposals for Part A under section 42 and section 47 and published under section 48 of the 2008 Act.</p>
February - April 2019	<p>Statutory Consultation – Part B</p> <p>Statutory Consultation undertaken on the proposals for Part B under section 42 and section 47 and published under section 48 of the 2008 Act</p>
March 2020	<p>The Applicant made the decision to combine the previously proposed separate DCO applications for Part A and Part B to form one application for the Scheme.</p>
April – May 2020	<p>Statutory Consultation – the Scheme</p> <p>Statutory Consultation undertaken on the proposals for the Scheme under section 42 and section 47 and published under section 48 of the 2008 Act.</p>
June 2020	<p>DCO submission to the Inspectorate.</p>
Start of Works	<p>Construction proposed to commence in November 2021.</p>
Open to Traffic	<p>Construction works be complete and open to traffic by Spring 2024.</p>

2.4 Qualification as a Nationally Significant Infrastructure Project

2.4.1 The Scheme is a Nationally Significant Infrastructure Project (NSIP) as defined under sections 14(1)(h), 22(1)(a) and 22(1)(b) of the 2008 Act as:

- It comprises the construction and alteration of a highway;
- The highway to be constructed and altered is wholly within England;

- Highways England Company Ltd is the strategic highways authority for the highway; and
- The speed limit is 50mph or greater and the Order limits at 362 hectares exceeds the threshold of 12.5 hectares.

3. THE APPLICANT

3.1 Highways England

3.1.1 The Applicant is appointed and licensed by the Secretary of State for Transport as the strategic highways company for England. It is responsible for operating, maintaining and improving the strategic road network in England on behalf of the Secretary of State for Transport. The network is made up of England's motorways and all-purpose trunk roads (the major "A" roads) and the existing A1 is part of the trunk road network for which the Applicant is responsible. Following construction of the Scheme, the Applicant will be responsible for operating, maintaining and improving (under its general statutory powers in respect of the latter) the new route.

3.1.2 The Scheme contact details are:

A1 in Northumberland: Morpeth to Ellingham Project Team
Regional Investment Programme Major Projects
Highways England
Lateral
3 South
8 City Walk
Leeds
LS11 9AT

Email: A1inNorthumberland@highwaysengland.co.uk

Telephone: 0300 470 4548

3.2 The A1 in Northumberland: Morpeth to Ellingham Project Team

3.2.1 The Scheme is managed by the Applicant from its Leeds Lateral office by the A1 in Northumberland: Morpeth to Ellingham Project Team, which is responsible for delivering the Scheme in accordance with the Scheme's requirements.

4. APPLICATION DOCUMENTS

- 4.1.1 A list of documents within the application is set out in the **Covering Letter and completed Section 55 checklist (Application Document Reference: TR010041/APP/1.2)**; further detail on the documents within the application is provided in the following chapters.
- 4.1.2 If you require a copy of any of the application documents, or parts of them, please contact the A1 in Northumberland: Morpeth to Ellingham Project Team (contact details at paragraph 3.1.2). A DVD/CD/USB containing these documents will be provided free of charge; a reasonable charge for printing and distribution of hard copies may be made.

5. VOLUME 1 APPLICATION FORM / INFORMATION / BACKGROUND

- 5.1.1 The **Introduction to the Application** is this document (**Application Document Reference: TR010041/APP/1.1**).
- 5.1.2 The **Covering Letter and completed section 55 checklist** (**Application Document Reference: TR010041/APP/1.2**) is completed to evidence how the application fulfils the conditions for acceptance by the Inspectorate under section 55 of the 2008 Act. The Schedule of Compliance with section 55 will also be completed by the Inspectorate on receipt of the DCO application.
- 5.1.3 The **Application Form** (**Application Document Reference: TR010041/APP/1.3**) is a standard form and provides a high-level summary of the Scheme and the documents that have been submitted. It is a form that originates from Schedule 2 of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (APFP Regulations).
- 5.1.4 The **Guide to Documents to be Certified** (**Application Document Reference: TR010041/APP/1.4**) is provided to help the Examining Authority and interested parties understand the draft **DCO** (**Application Document Reference: TR010041/APP/3.1**) through identifying the latest version of any documents that are to be certified as set out in Schedule 12 of the draft **DCO**.

6. VOLUME 2 PLANS, DRAWINGS AND SECTIONS

- 6.1.1 There are nine sets of plans, as described below. Where a plan comprises three or more separate sheets, a key plan is provided, showing the relationship between the different sheets. The exception to this is the Location Plan.
- 6.1.2 Each plan (and each sheet within a set of plans) includes a key, which explains the use of symbols/lines/shading to denote features and information in the plans.
- 6.1.3 The **Location Plan (Application Document Reference: TR010041/APP/2.1)** identifies the location of the proposed development in its wider context.
- 6.1.4 The **Land Plans (Application Document Reference: TR010041/APP/2.2)** correspond to the **Book of Reference (Application Document Reference: TR010041/APP/4.3)** and in summary, set out:
- The limits of land to be acquired or used permanently or temporarily;
 - The land to be acquired or used permanently for construction, operation and maintenance works for the Scheme;
 - Any land over which temporary possession may be taken; and
 - Any land to be used temporarily and for rights in the land to be acquired permanently.
- 6.1.5 The **Works Plans (Application Document Reference: TR010041/APP/2.3)** show the centre line of the proposed works and the limits of deviation within which the development and works may be carried out. Most importantly, the plans will show the extent of the individual works.
- 6.1.6 The **General Arrangement Plans (Application Document Reference: TR010041/APP/2.4)** provides a technical illustration of the Scheme shown against an Ordnance Survey base map.
- 6.1.7 The **Rights of Way and Access Plans (Application Document Reference: TR010041/APP/2.5)** show any new or altered means of access, stopping up of streets, roads and any diversions, extinguishment or creation of rights of way.
- 6.1.8 The **Traffic Regulation Measures Plans (Application Document Reference: TR010041/APP/2.6)** shows locations and extents of the Traffic Regulation Orders proposed for the purposes of the Scheme.
- 6.1.9 The **Engineering Section Drawings Plans (Application Document Reference: TR010041/APP/2.7)** shows the levels of the proposed works including ground levels, the height of certain structures and the depths of any cuttings for the Scheme.
- 6.1.10 The **Structures Engineering Drawings and Sections (Application Document Reference: TR010041/APP/2.8)** shows the proposed elevations and section for the structures that form part of the Scheme.
- 6.1.11 The **Vegetation Clearance Plans (Application Document Reference: TR010041/APP/2.9)** shows the hedgerows to be removed as part of the Scheme in

line with Article 40(4)(a) of the draft **DCO (Application Document Reference: TR010041/APP/3.1)**.

7. VOLUME 3 DRAFT DEVELOPMENT CONSENT ORDER

7.1.1 The draft **DCO (Application Document Reference TR010041/APP/3.1)** sets out the powers that the Applicant is seeking to enable it to construct and maintain the Scheme. It sets out the parameters for what development would be permitted. It consists of 7 Parts and is accompanied by 12 Schedules as outlined below:

Parts

- Part 1 – Preliminary
- Part 2 – Principal Powers
- Part 3 – Streets
- Part 4 – Supplemental Powers
- Part 5 – Powers of Acquisition and Possession
- Part 6 – Operations
- Part 7 – Miscellaneous and General

Schedules

- **Schedule 1: Authorised development** – lists the works that would be authorised by the grant of development consent, which are shown on the works plans, and to which this schedule refers.
- **Schedule 2: Requirements** – sets out the conditions that the Applicant would be required to accord with when implementing the development authorised by the DCO.
- **Schedule 3: Classification of roads** – lists the road classifications and relevant traffic regulation measures that the new and altered highway would be subject to (e.g. speed limits).
- **Schedule 4: Permanent stopping up of streets, public rights of way and private means of access** – sets out the highways, public rights of way and private means of access that would be permanently stopped up as a result of the Scheme (and any relevant replacements).
- **Schedule 5: Public rights of way to be temporarily stopped up for which a substitute is to be provided** – sets out the public rights of way to be temporarily stopped up as a result of the Scheme and for which a substitute is to be provided.
- **Schedule 6: Land in respect of which only new rights etc. may be acquired** – sets out the land in which the Applicant is only seeking to acquire new rights or impose restrictive covenants (such as a right to maintain new infrastructure) rather than acquiring the entire freehold interest in that land.

- **Schedule 7: Modification of compensation and compulsory purchase enactments for creation of new rights and imposition of restrictive covenants** – amends relevant compulsory acquisition legislation to ensure that it can apply to the DCO (particularly in relation to compensation provisions in connection with land and rights to be compulsorily acquired under the DCO).
- **Schedule 8: Land of which temporary possession may be taken** – sets out the land which the Applicant is seeking to possess temporarily for the purposes of constructing the Scheme.
- **Schedule 9: Hedgerows** – sets out the removal of hedgerows in respect of which the Applicant may exercise powers.
- **Schedule 10: Protective provisions** – sets out the measures for the protection of electricity, gas, water and sewage undertakers and for the operators of electronic communications code networks.
- **Schedule 11: Traffic Regulation Measures** – sets out the speed limits to apply to those roads set out within the schedule following completion of the works.
- **Schedule 12: Documents to be certified** – sets out those documents to be certified by the Secretary of State for the purposes of the DCO.

7.1.2 The **Explanatory Memorandum** to the draft **DCO (Application Document Reference: TR010041/APP/3.2)** explains the purpose and effect of each provision in the draft order including why it is considered necessary.

7.1.3 The **Consents and Agreements Position Statement (Application Document Reference: TR010041/APP/3.3)** sets out the intended strategy for obtaining the consents and associated agreements needed to implement the Scheme.

8. VOLUME 4 COMPULSORY ACQUISITION INFORMATION

- 8.1.1 To implement the Scheme, the Applicant will need to use statutory powers to acquire land and rights in land, and to possess and use land temporarily.
- 8.1.2 The Applicant is required to provide evidence that the use of these powers would be justified, proportionate and in the public interest and this evidence is set out in the **Statement of Reasons (Application Document Reference: TR010041/APP/4.1)**, **Funding Statement (Application Document Reference: TR010041/APP/4.2)** and **Book of Reference (Application Document Reference: TR010041/APP/4.3)** as explained below.
- 8.1.3 The **Statement of Reasons (Application Document Reference: TR0100541/APP/4.1)** explains that there is a compelling case in the public interest which would justify the Applicant's exercise of powers of compulsory acquisition in order to acquire land and rights permanently and to use land temporarily to enable it to construct, operate and maintain the Scheme.
- 8.1.4 The **Funding Statement (Application Document Reference: TR010041/APP/4.2)** explains how the Scheme, including any compulsory purchase acquisition, would be funded.
- 8.1.5 The **Book of Reference (Application Document Reference: TR010041/APP/4.3)** identifies all Parties who own or occupy land and/or have an interest in or right over the land affected by the Scheme, and/or who may be entitled to make a 'relevant claim' as defined in Section 57 of the 2008 Act. It is structured in five parts in accordance with relevant regulatory requirements. The five parts are:
- **Part 1:** Names and addresses for service of each person / organisation within Categories 1 and 2 as defined in Section 57 of the 2008 Act in respect of any land which it is proposed shall be subject to:
 - powers of compulsory acquisition;
 - rights to use land, including the right to attach brackets or other equipment to buildings; or
 - rights to carry out protective works to buildings;
 - Category 1 interests are owners, lessees, tenants, or occupiers of land. Category 2 interests are those who have an interest in the land or who have the power to sell and convey the land or release the land.
 - **Part 2:** Names and addresses for service of each person / organisation within Category 3. These are interests who might be entitled to make a relevant claim if the DCO were consented and implemented, e.g. potential claimants under Part 1 of the Land Compensation Act 1973 (c. 26), Section 10 of the Compulsory Purchase Act 1965, Section 152(3) of the 2008 Act.

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- **Part 3:** Names of all those entitled to enjoy easements or other private rights over land (including private rights of navigation over water) which it is proposed shall be extinguished, suspended or interfered in the proposed DCO.
 - **Part 4:** Owner of any Crown interest in the land which it is proposed to be used for the purposes of the order for which the application is being made. There are no entries in Part 4 of the **Book of Reference (Application Document Reference: TR010041/APP/4.3)** for the Scheme as there is no Crown Land present.
 - **Part 5:** Land the acquisition of which could be subject to special parliamentary procedure, is special category land, or is replacement land. There are no entries in Part 5 of the **Book of Reference (Application Document Reference: TR010041/APP/4.3)** for the Scheme as no land is to be acquired which could be subject to special parliamentary procedure.

9. VOLUME 5 REPORTS / STATEMENTS

- 9.1.1 The **Consultation Report (Application Document Reference: TR010041/APP/5.1)** provides an account of the pre-application consultation undertaken on the Scheme. The report includes details of the statutory consultation which the Applicant is required to undertake in accordance with the 2008 Act, the informal engagement that has taken place and how the comments received have been considered when developing the Scheme.
- 9.1.2 A range of appendices that support the report are submitted as **Consultation Report Appendices (Application Document Reference: TR010041/APP/5.2)**, as described in **Table 2**, below:

Table 2: Consultation Report Appendices

Appendix	Appendix Name
Appendix A	Options consultation brochure & Public Consultation Report
Appendix B	The Infrastructure Planning (EIA Regulations) 2017: Regulation 8(1) letter to the Inspectorate and acknowledgement
Appendix C	Copy of the draft SoCCs provided to Northumberland County Council
Appendix D	Letter (email) to local authorities for SoCCs consultation
Appendix E	Response from local authorities on the draft SoCCs
Appendix F	Published SoCCs with location and date
Appendix G	List of Prescribed Consultees identified and consulted
Appendix H	Section 42 letters with date
Appendix I	Section 46 letter sent to the Inspectorate
Appendix J	Section 47 consultation material
Appendix K	Section 47 and section 48 newspaper notices with locations and dates
Appendix L	Preliminary Environmental Information Reports
Appendix M	Targeted Consultation Materials

Appendix	Appendix Name
Appendix N	Tables evidencing regard had to consultation responses (in accordance with section 49 of the Planning Act 2008)

10. VOLUME 6 ENVIRONMENTAL IMPACT ASSESSMENT INFORMATION

10.1.1 The Applicant has undertaken an environmental impact assessment (EIA) of the Scheme to consider what significant effects the Scheme is likely to have on the environment. The **ES** has been split to report the findings of the EIA between Part A and Part B. **Volume 2** of the ES (**Application Document Reference: TR010041/APP/6.2**) reports the findings of the EIA for Part A and **Volume 3** of the ES (**Application Document Reference: TR010041/APP/6.3**) reports the findings of the EIA for Part B.

10.1.2 **Volume 1** of the ES (**Application Document Reference: TR010041/APP/6.1**) also provides general information on the Scheme including context, description of the Scheme and its construction, main alternatives considered, the consultation process that was part of the EIA and technical information on a range of topics. **Chapter 16: Assessment of Cumulative Effects, Volume 4** of the ES (**Application Document Reference: TR010041/APP/6.4**) reports the cumulative effects of the Scheme as a whole.

10.1.3 This chapter of the Introduction to the Application provides an overview of the structure of the document to assist with navigation.

10.1.4 The ES includes chapter split into four volumes as follows:

Volume 1 (Application Document Reference: TR010041/APP/6.1)

- Chapter 1 Introduction;
- Chapter 2 The Scheme;
- Chapter 3 Assessment of Alternatives; and
- Chapter 4 Environmental Assessment Methodology.

Volume 2 (Application Document Reference: TR010041/APP/6.2) – Part A

- Chapter 5 Air Quality;
- Chapter 6 Noise and Vibration;
- Chapter 7 Landscape and Visual;
- Chapter 8 Cultural Heritage;
- Chapter 9 Biodiversity;
- Chapter 10 Road Drainage and the Water Environment;
- Chapter 11 Geology and Soils;
- Chapter 12 Population and Human Health;

- Chapter 13 Material Resources;
- Chapter 14 Climate; and
- Chapter 15 Assessment of Combined Effects

Volume 3 (Application Document Reference: TR010041/APP/6.3) – Part B

- Chapter 5 Air Quality;
- Chapter 6 Noise and Vibration;
- Chapter 7 Landscape and Visual;
- Chapter 8 Cultural Heritage;
- Chapter 9 Biodiversity;
- Chapter 10 Road Drainage and the Water Environment;
- Chapter 11 Geology and Soils;
- Chapter 12 Population and Human Health;
- Chapter 13 Material Resources;
- Chapter 14 Climate; and
- Chapter 15 Assessment of Combined Effects

Volume 4 (Application Document Reference: TR010041/APP/6.4)

- Chapter 16 Assessment of Cumulative Effects
- Chapter 17 Summary.

10.1.5 The **ES** is accompanied by a series of **Figures** that support the chapters set out above. These are set out in the following tables.

Table 3: Volume 1 Figures (Application Document Reference: TR010041/APP/6.1)

Figure Number	Figure Name
1.1	Location Plan: Part A
1.2	Location Plan: Part B
2.1	Environmental Constraints Plan: Part A
2.2	Environmental Constraints Plan: Part B
2.3	Existing Junctions and Structures: Part A

Figure Number	Figure Name
2.4	Existing Junctions and Structures: Part B
2.5	Temporary Construction Works: Part A
2.6	Temporary Construction Works: Part B
3.6	Alternative Options: Part B
4.1	Boundary Plan: Part A
4.2	Boundary Plan: Part B

Table 4: Volume 4 Figures (Application Document Reference: TR010041/APP/6.4)

Figure Number	Figure Name
16.1	Cumulative Assessment Applications
16.2	Scheme Air Quality Affected Road Network
16.3	Human and Ecological Receptors Assessed

Table 5: Volume 5 Figures (Application Document Reference: TR010041/APP/6.5) – Part A

Figure Number	Figure Name
5.1	Air Quality Affected Road Network
5.2	Human and Ecological Receptors Assessed
5.3	Air Quality Monitoring
5.4	Construction Receptors
6.1	Noise and Vibration Assessment Extents
6.2	Do-Something Short Term Noise Level Change
6.3	Do-Something Long Term Noise Level Change
6.4	Receptors Affected by Earthworks and Bridge Construction

Figure Number	Figure Name
6.5	Do-Something Short Term Noise Level Change for Felmoor Park and Bockenfield Holiday Park
6.6	Receptor Groups
6.7	Noise Level Benefits from Proposed Barrier Four
6.8	Do-Something Short Term Noise Level Change with Barrier Four
6.9	Moderate Adverse Wider Network Noise Level Changes
7.1	Landscape and Visual Impact Assessment Study Area
7.2	Landscape Character Area
7.3	Zone of Theoretical Visibility
7.4	Viewpoint Location Plan
7.5	Representative Viewpoint Photographs
7.6	Visual Effects Drawing Residential Properties
7.7	Visual Effects Drawing Public Rights of Way
7.8	Landscape Mitigation Masterplan
7.9	Vegetation Clearance Plans
7.10	Green Belt
7.11	Photomontages
8.1	Designated Heritage Assets
8.2	Non-Designated Heritage Assets
8.3	Historic Landscapes
8.4	Geophysical Survey
8.5	Area of Extant Ridge and Furrow
9.1	Final Phase 1 Plan
9.2	Ecological Mitigation Plan (Confidential)

Figure Number	Figure Name
9.2	Ecological Mitigation Plan (Public)
9.3	Statutory Designated Sites
9.4	Non-Statutory Designated Sites
9.5	Barn Owl Mitigation Sites
10.1	Water Constraints Plan
10.2	River Coquet Bridge As-Built Drawing
11.1	Study Area
11.2	Superficial Geology
11.3	Bedrock Geology
11.4	Mineral Safeguarding Areas
11.5	Coal Mining Hazards
11.6	Hydrology – Surface Watercourses
11.7	Potential Contamination and Shallow Mine Related Features
12.1	Road Sections Assessed for Driver Stress
12.2	Commercial Properties and Community Receptors
12.3	Agricultural Land Plan

Table 6: Volume 6 Figures (Application Document Reference: TR010041/APP/6.6 – Part B

Figure Number	Figure Name
5.1	Affected Road Network
5.2	Human Receptors Assessed
5.3	Air Quality Monitoring
5.4	Construction Receptors

Figure Number	Figure Name
6.1	Operational Noise Calculation/Study Area
6.2	Baseline Noise Measurement Locations
6.3	Do-Minimum Noise Level Change Plot
6.4	Construction Noise Study Area
6.5	Construction Vibration SOAEL Zones
6.6	Short Term Noise Level Change
6.7	Long Term Noise Level Change
6.8	Do-Something Short Term Noise Level Change with Barrier Four
6.9	Determination of Significance – Receptor Groups
7.1	Zone of Theoretical Visibility
7.2	Visual Receptors Plan
7.3	Viewpoint Locations Plan
7.4	Views to the West Across the A1 (embedded in Volume 3 of the ES (Application Document Reference: TR010041/APP/6.3))
7.5	Landscape Character Areas
7.6	Local Landscape Character
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Figure Number	Figure Name
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Figure Number	Figure Name
9.17	Barn Owl Flight Activity and Habitat Type Survey Results
9.18	Location of Barn Owl Vehicle Collision
9.19	Pond Locations
9.20	Reptile Survey Site Locations
9.21	Aquatic Walkover Survey Stretches
9.22	Macroinvertebrate Sampling Locations, Fish Survey and RHS Stretches
10.1	Water Constraints Plan
11.1	Superficial Geology
11.2	Bedrock Geology
11.3	Coal Mining Hazards
11.4	Hydrology – Surface Watercourses
11.5	Potential Contamination Sources
12.1	Assessment Area for Driver Stress
12.2	Local Communities and Community Facilities
12.3	Properties and Commercial Facilities

10.1.6 The **ES** is also accompanied by a series of **Appendices**. These are set out in the following tables.

Table 7: Volume 1 Appendices (Application Document Reference: TR010041/APP/6.1)

Appendix No.	Appendix Name
2.1	Lighting Assessment - Confidential
2.2	Technical Drawings
2.3	Culvert Construction Methodology

Appendix No.	Appendix Name
2.4	River Coquet Bridge Construction Methodology Sequence
2.5	South Embankment Haul Road Construction Methodology
4.1	Scoping Opinion Response Tracker
4.2	Environmental Consultation
4.3	Major Accidents and Disasters Assessment
4.4	Regulation 32 Transboundary Screening
4.5	DMRB Sensitivity Test

Table 8: Volume 4 Appendices (Application Document Reference: TR010041/APP/6.4)

Appendix No.	Appendix Name
16.1	Cumulative Short List
16.2	Cumulative Long List
16.3	Cumulative Assessment Matrix
16.4	Air Quality Likely Significant Effects of the Scheme
16.5	Noise and Vibration Likely Significant Effects of the Scheme
16.6	Biodiversity Likely Significant Effects of the Scheme
16.7	Biodiversity DMRB Sensitivity Test: The Scheme
16.8	Driver Stress Analysis of the Scheme
16.9	Climate Likely Significant Effects of the Scheme

Table 9: Volume 7 Appendices (Application Document Reference: TR010041/APP/6.7) – Part A

Appendix No.	Appendix Name
5.1	Traffic Data

Appendix No.	Appendix Name
5.2	Construction Traffic Assessment
5.3	Methodology and Verification
5.4	Receptors
5.5	Operational Impacts - Human Receptors
5.6	Operational Impacts - Ecological Receptors
5.7	European Union Limit Value Compliance Risk Assessment
5.8	Air Quality DMRB Sensitivity Test
6.1	Glossary of Acoustical Terminology
6.2	Legislation, Policy and Guidance
6.3	Noise and Airborne Vibration Nuisance Assessment
6.4	Source Information and Assumptions for Construction Noise Assessment
6.5	Source Information and Assumptions for Operational Road Traffic Noise Assessment
6.6	Noise Survey Details
6.7	Noise Monitoring Results
6.8	Construction Noise and Vibration Mitigation Clauses
6.9	Wider Network Noise Level Changes
6.10	Noise and Vibration DMRB Sensitivity Test
7.1	Landscape Effects Schedule
7.2	Viewpoints Visual Effects Schedule
7.3	Residential Visual Effects Schedule
7.4	Public Rights of Way Visual Effects Schedule
7.5	Arboricultural Report

Appendix No.	Appendix Name
8.1	Historic Environment Desk Based Assessment
8.2	Geophysical Survey
8.3	Light Detection Ranging (LiDAR) Assessment
8.4	Gazetteer of Cultural Heritage Assets
8.5	Written Scheme of Investigation for an Archaeological Trial Trench Evaluation
8.6	Written Scheme of Investigation for an Archaeological Strip, Map and Sample Excavation (National Grid Diversion Works)
9.1	Extended Phase 1 Habitat Survey Report
9.2	National Vegetation Classification Survey Report
9.3	Aquatic Ecology Survey Report
9.4	Great Crested Newt Environmental eDNA and Habitat Suitability Index Survey Report
9.5	Great Crested Newt Survey Report 2017
9.6	Great Crested Newt Survey Report 2018
9.7	Bat Roost Potential Survey Report 2017
9.8	Bat Activity Survey Report
9.9	Bat Survey Report 2018
9.10	Badger Survey Report – Confidential
9.11	Badger Bait Marking Survey Report - Confidential
9.12	Barn Owl Survey Report
9.13	Breeding Bird Survey Report
9.14	Wintering Bird Survey Report
9.15	Reptile Survey Report

Appendix No.	Appendix Name
9.16	Red Squirrel Survey Report
9.17	Water Vole and Otter Survey Report
9.18	Otter Monitoring Survey Report
9.19	Terrestrial Invertebrate Survey Report
9.20	Biodiversity No Net Loss Assessment
9.21	Ancient Woodland Strategy
9.22	Bat Method Statement
9.23	Badger Method Statement - Confidential
9.24	Great Crested Newt Method Statement – River Coquet
9.25	Great Crested Newt Method Statement – Burgham Park
9.26	Wintering Bird Verification Survey Report
9.27	Biodiversity DMRB Sensitivity Test
10.1	Flood Risk Assessment
10.2	Water Framework Directive Assessment
10.3	Drainage Network Water Quality Assessment
10.4	Geomorphology Assessment – River Coquet
10.5	Drainage Strategy Report
10.6	Water DMRB Sensitivity Test
10.7	Geomorphology Assessment – River Coquet Parameter 10
11.1	Preliminary Sources Study Report
11.2	Ground Investigation Report
11.3	Agricultural Land Classification
11.4	Coal Mining Risk Assessment

Appendix No.	Appendix Name
11.5	Geology and Soils DMRB Sensitivity Test
12.1	Agricultural Assessment - Confidential
12.2	Driver Stress Analysis
14.1	Vulnerability to Climate Change Baseline

Table 10: Volume 8 Appendices (Application Document Reference: TR010041/APP/6.8) – Part B

Appendix No.	Appendix Name
5.1	Traffic Data
5.2	Construction Traffic Assessment
5.3	Methodology and Verification
5.4	Receptors
5.5	Results (with Gap Analysis)
5.6	Model Results Pollution Climate Mapping Compliance
5.7	Air Quality DMRB Sensitivity Test
6.1	Glossary of Acoustical Terminology
6.2	Legislation, Policy and Guidance
6.3	Noise and Airborne Vibration Nuisance Assessment
6.4	Source Information and Assumptions for Construction Noise Assessment
6.5	Source Information and Assumptions for Operational Road Traffic Noise Assessment
6.6	Equipment Details
6.7	Summary of Baseline Noise Survey Weather Conditions
6.8	Noise Monitoring Results

Appendix No.	Appendix Name
6.9	Construction Noise and Vibration Mitigation Clauses
6.10	Noise and Vibration DMRB Sensitivity Test
7.1	Arboricultural Report
7.2	Visual Effects Schedule
7.3	Landscape Effects Schedule
7.4	Landscape and Visual Sensitive Receptors
7.5	Landscape Character
7.6	Landscape and Visual Impact Assessment Methodology
8.1	Historic Environment Desk Based Assessment
8.2	Geophysical Survey
8.3	West Linkhall Intrusive Survey Information
8.4	North Charlton Intrusive Survey Information
8.5	Written Scheme of Investigation for Post-DCO Consent Trial Trenching
8.6	Written Scheme of Investigation for Historic Building Recording
8.7	Gazetteer of Cultural Heritage Assets
9.1	Habitats and Designated Sites
9.2	Badger Report – Confidential
9.3	Otter and Water Vole Report
9.4	Red Squirrel Report
9.5	Bat Report
9.6	Breeding and Wintering Bird Survey Report
9.7	Barn Owl Survey Report
9.8	Great Crested Newt Survey Report

Appendix No.	Appendix Name
9.9	Reptile Assessment Report
9.10	Aquatic Ecology Assessment Report
9.11	Biodiversity No Net Loss Assessment
9.12	Biodiversity DMRB Sensitivity Test
10.1	Flood Risk Assessment
10.2	Water Framework Directive Assessment
10.3	Drainage Network Water Quality Assessment
10.4	Drainage Strategy Report
10.5	Water DMRB Sensitivity Test
11.1	Preliminary Sources Study Report
11.2	Preliminary Risk Assessment: Lionheart Business Park
11.3	Ground Investigation Report
11.4	Ground Investigation Works
11.5	Soils and Agricultural Land Quality Report
11.6	Coal Mining Risk Assessment
11.7	Geology and Soils DMRB Sensitivity Test
12.1	Likely Impact on Agricultural Businesses
12.2	Driver Stress Analysis
14.1	Vulnerability to Climate Change Baseline

10.1.7 For the **Non-Technical Summary (Application Document Reference: TR010041/APP/6.9)** to the ES the following sections are include

- a) Introduction;
- b) Why the Scheme is needed?;
- c) Scheme Objectives;

- d) Alternatives Considered;
- e) Scheme Description;
- f) Environmental Effects; and
- g) The Application Documents.

10.1.8 The **Scoping Report (Application Document Reference: TR010041/APP/6.12)** for Part A and the **Scoping Report (Application Document Reference: TR010041/APP/6.13)** for Part B and the **Scoping Opinion** received from the Inspectorate (**Application Document Reference: TR010041/APP/6.10**) for Part A and the **Scoping Opinion (Application Document Reference: TR010041/APP/6.11)** for Part B are reports which are produced to identify the scope and content of the EIA.

10.1.9 The **Habitat Regulations Assessment** is submitted as **Application Document Reference: TR010041/APP/6.14**) and confirms that the Scheme is considered to not give rise to any significant effects to European designated sites.

10.1.10 A **Statement Relating to Statutory Nuisance (Application Document Reference: TR010041/APP/6.15)** identifies the matters set out in Section 79 of the Environmental Protection Act 1990 in respect of statutory nuisances. It considers whether the proposed development would engage one or more of those matters. Where any matters may be potentially engaged, this statement sets out its proposals for mitigating or limiting them.

11. OTHER DOCUMENTS

- 11.1.1 A range of additional documents have been submitted with the DCO application. These documents are not legally required but are intended to provide useful information on the Scheme and aid detailed understanding of the application and its justification.
- 11.1.2 The **Case for the Scheme (Application Document Reference: TR010041/APP/7.1)** sets out the need for the Scheme, the objectives that it seeks to address, options and alternatives considered and an explanation of the development of the Scheme over time. The document also includes the Transport Assessment undertaken as part of the development of the Scheme.
- 11.1.3 The **National Policy Statement for National Networks (NPS NN) Accordance Table (Application Document Reference: TR010041/APP/7.2)** sets out how the Scheme meets its objectives and how it aligns with government policy in the NPS NN.
- 11.1.4 The **Outline Construction Environmental Management Plan (Outline CEMP) (Application Document Reference: TR010053/APP/7.3)** and the **Construction Traffic Management Plan (Application Document Reference: TR010053/APP/7.4)** provides an essential Scheme specific tool to manage on-site construction activities that may affect the environment. The key aims of the Outline CEMP are to ensure all environmental mitigation, DCO requirements, consents and licenses are met and to minimise and manage the risk of adverse environmental impacts.

12. GLOSSARY

12.1 Abbreviations used through the DCO application documents for the Scheme are shown below:

List of Abbreviations

Acronym	Definition
A1 MMS	A1 Multi Modal Study
AA	Agricultural Assessment
AADT	Annual Average Daily Traffic
AAWT	Annual Average Weekly Traffic
AD	Anno Domini
ADMS	Advanced Dispersion Modelling System
AEP	Annual Exceedance Probability
AGI	Above Ground Installation
AGS	Amenity Green Space
AHA	Agricultural Holdings Act
AHLV	Area of High Landscape Value
ALARP	As low as reasonably practicable
ALC	Agricultural Land Classification
AM	Ante meridiem (morning)
AMAA	Ancient Monuments and Archaeological Areas Act 1979
ANPR	Automatic Number Plate Recognition
AOD	Above Ordnance Datum
AONB	Area of Outstanding Natural Beauty
APIS	Air Pollution Information System

Acronym	Definition
APP	Appendix
AQ	Air Quality
AQMA	Air Quality Management Area
AQS	Air Quality Strategy
ARN	Affected Road Network
ASNW	Ancient Semi Natural Woodland
ASR	Annual Status Report
ATI	Ancient Tree Inventory
AW	Ancient Woodland
BA	Bachelor of Arts
BAP	Biodiversity Action Plan
BBS	Breeding Bird Survey
BC	Before Christ
BCT	Bat Conservation Trust
Bgl	Below ground level
BGS	British Geological Survey
BMCL	Bat Mitigation Class License
BMV	Best and Most Versatile
BNL	Basic Noise Level
BoQ	Bill of Quantities
BoCC	Birds of Conservation Concern
BPM	Best Practicable Means
BS	British Standards

Acronym	Definition
BSc	Bachelor of Science
BSI	British Standards Institute
BTO	British Trust for Ornithology
CA	Coal Authority
CBC	Common Bird Census
CCTV	Closed Circuit Television
CDE	Construction, Demolition and Excavation
CDM	Construction Design and Management
CEDA	Centre for Environmental Data Analysis
CEH	Centre for Ecology and Hydrology
CEMP	Construction Environmental Management Plan
CEnv	Chartered Environmentalist
Ch.	Chainage
CIEEM	Chartered Institute of Ecology and Environmental Management
CiFA	Chartered Institute for Archaeologists
CIRIA	Construction Industry Research and Information Association
CIWEM	Chartered Institution of Water and Environmental Management
CKD	Combined Kerb and Drainage
CKDU	Combined Kerb and Drainage Units
CL:AIRE	Contaminated Land: Applications in Real Environments
CMLI	Chartered Members of the Landscape Institute
CMRA	Coal Mining Risk Assessment

Acronym	Definition
CO ₂	Carbon Dioxide, commonly closely related to the global climate change phenomenon
ComMA	Combined Modelling and Appraisal
COPA	Control of Pollution Act 1974
CRoW	Countryside and Rights of Ways Act 2000
CRTN	Calculation of Road Traffic Noise
CTMP	Construction Traffic Management Plan
dB	Decibels
DBA	Desk Based Assessment
DCO	Development Consent Order
DCLG	Department for Communities and Local Government
DECC	Department for Energy and Climate Change
Defra	Department for Environment, Food and Rural Affairs
DfT	Department for Transport
DM	Do Minimum
DMRB	Design Manual for Roads and Bridges
DNA	Deoxyribonucleic acid
DS	Do Something
DTM	Digital Terrain Model
DWP	Diffuse Water Pollution
EA	Environment Agency
EAR	Environmental Assessment Report
EC	European Commission

Acronym	Definition
ECoW	Ecological Clerk of Work
eDNA	Environmental DNA
EEA	European Economic Area
EEC	European Economic Community
EHO	Environmental Health Officer
EIA	Environmental Impact Assessment
ELC	European Landscape Convention
EMF	Electric and Magnetic Fields
EMS	Environmental Management System
END	Environmental Noise Directive
EPDs	Environmental Product Declarations
EPS	European Protected Species
EQR	Ecological Quality Ratio
EQS	Environmental Quality Standard
ERIC	Environmental Records Information Centre
ERS	Expose Riverine Sediment
ES	Environmental Statement
EU	European Union
EZI	Ecological Zone of Influence
FBT	Farm Business Tenancy
FRA	Flood Risk Assessment
FRAP	Flood Risk Activities Permit
FRGS	Fellowship of the Royal Geographical Society

Acronym	Definition
FUL	Full (planning permission)
GA	General Arrangement
GAC	Generic Assessment Criteria
GCN	Great crested newt
GCSE	General Certificate of Secondary Education
GHG	Greenhouse Gas
GI	Ground Investigation
GIR	Ground Investigation Report
GIS	Geographical Information Systems
GLVIA	Guidelines for Landscape and Visual Impact Assessment
GPP	Guidance for Pollution Prevention
ha	Hectares
HADDMS	Highways Agency Drainage Data Management System
HAPMS	Highways England Pavement Management System
HAWRAT	Highways Agency Water Risk Assessment Tool
HDV	Heavy Duty Vehicle
HE	Highways England
HEDBA	Historic Environment Desk Based Assessment
HEMP	Handover Environmental Management Plan
HER	Historic Environment Record
HGV	Heavy Goods Vehicle
HLC	Historic Landscape Characterization
HLT	Historic Landscape Type

Acronym	Definition
HM	Her Majesty's
HMSO	Her Majesty's Stationary Office
HP	High Pressure
HPGM	High Pressure Gas Main
HPI	Habitats of Principal Importance
HRA	Habitats Regulation Assessment
HRA	Hot Rolled Asphalt
HS	Health & Safety
HSE	Health and Safety Executive
HSI	Habitat Suitability Index
HS2	High Speed Rail
GDMS	Highways Agency Geotechnical Data Management System
IAN	Interim Advice Note
IAQM	Institute of Air Quality Management
ICE	Institute of Chartered Engineers
ICG	Internal Condition Grade
ICM	Integrated Catchment Modelling
ICNIRP	International Commission on Non-Ionizing Radiation Protection
ID	Identifier
IEMA	Institute of Environmental Management and Assessment
ILM	Incremental Launching Method
IMD	Indices of Multiple Deprivation

Acronym	Definition
IP	Intermediate Pressure
IUCN	International Union for the Conservation of Nature
JNCC	Joint Nature Conservation Committee
JSNA	Joint Strategic Needs Assessment
Kg	Kilogram
kgCO ₂ e	Kilogram of carbon dioxide equivalent
Km	Kilometre
KPI	Key Performance Indicators
kTCO ₂ e	Kilo-tonne of carbon dioxide equivalent
KV	Kilovolt
LAQM	Local Air Quality Management
LBAP	Local Biodiversity Action Plan
LCA	Landscape Character Area
LCT	Landscape Character Type
LDP	Local Development Plan
LED	Light Emitting Diode
LFRRMS	Local Flood Risk Management Strategy
LiDAR	Light Detection and Ranging
LLB	Bachelor of Law
LLCA	Local Landscape Character Area
LLFA	Lead Local Flood Authority
LMP	Landscape Mitigation Masterplan
LNR	Local Nature Reserve

Acronym	Definition
LNS	Low Noise Surface
LOAEL	Lowest Observed Adverse Effect Level
LoD	Limits of Deviation
LP	Low Pressure
LPA	Local Planning Authority
LRM	Local Relief Model
LSOA	Lower-layer Super Output Area
LTP	Local Transport Plan
LTT _{E6}	The Long-Term Trends for projecting annual mean NO ₂ and NO _x concentrations at the roadside, including the impact of Euro 6 and Euro VI emissions standards
LVIA	Landscape and Visual Impact Assessment
LWS	Local Wildlife Site
MA	Master of Arts
MAD	Major Accidents and Disasters
MAGIC	Multi Agency Geographic Information for the Countryside
MCHW	Manual of Contract Documents for Highway Works
MCIEEM	Member of CIEEM
MCIWEM	Member of CIWEM
MICE	Member of Institute of Chartered Engineers
MIOA	Member of the Institute of Acoustics
MMP	Material Management Plan
MP	Medium Pressure
MRSS	Maintenance and Repair Strategy Statement

Acronym	Definition
MSc	Master of Science
MSP	Maintenance Service Provider
Mt	Million Tonnes
MW	Megawatt
N/A	Not Applicable
NBN	National Biodiversity Network
NCA	National Character Area
NCC	Northumberland County Council
NE	North East
NERC	Natural Environment and Rural Communities
NERRF	North East Regional Research Framework
NGN	Northern Gas Networks
NHBC	National House-Building Council
NHL	National Heritage List
NIA	Noise Important Area
NIR	Noise Insulation Regulations 1975
NMR	National Monument Record
NMP	National Mapping Programme
NMU	Non-Motorised User
NNR	National Nature Reserve
NO	Nitrogen Oxide
NO ₂	Nitrogen Dioxide
NOEL	No Observed Effect Level

Acronym	Definition
NO _x	Oxides of Nitrogen
NPG	Northern Powergrid
NPPF	National Planning Policy Framework
NPS	National Policy Statement
NPSE	Noise Policy Statement for England (published March 2010)
NPS NN	National Policy Statement for National Networks
NRMM	Non-Road Mobile Machinery
NRPB	National Radiological Protection Board
NSIP	Nationally Significant Infrastructure Project
NTCC	National Traffic Control Centre
NTNC	Northumberland and Tyneside Bird Club
NTS	Non-Technical Summary
NVC	National Vegetation Classification
NVMP	Noise and Vibration Management Plan
NVQ	National Vocational Qualification
NW	North West
OD	Ordnance Datum
ODP	Office of the Deputy Prime Minister
ONS	Office for National Statistics
OS	Ordnance Survey
OUT	Outline (planning permission)
PAWS	Plantations on Ancient Woodland Sites
PCBs	Polychlorinated Biphenyls

Acronym	Definition
PCF	Project Control Framework
PCM	Pollution Climate Mapping
PDR	Project Design Report
PEA	Preliminary Ecological Appraisal
PEIR	Preliminary Environmental Information Report
PGCert	Postgraduate Certificate
PhD	Doctor of Philosophy
PHE	Public Health England
PIEMA	Practitioner in IEMA
PINS	Planning Inspectorate
PM	Post meridian (afternoon)
PM	Particulate Matter
PM ₁₀	Particulate matter with an aerodynamic diameter of less than 10 micrometres.
PM _{2.5}	Particulate matter with an aerodynamic diameter of less than 2.5 micrometres.
PMA	Private Means of Access
PNL	Prevailing Noise Levels
PPE	Personal Protective Equipment
PPG	Planning Practice Guidance
PPGs	Pollution Prevention Guidelines
PPS	Planning Policy Statements
PPV	Peak Particle Velocity
PRA	Preliminary Risk Assessment

Acronym	Definition
PRoW	Public Right of Way
PSSR	Preliminary Sources Study Report
PSV	Polished Stone Values
PSYM	Predictive System for Multimetrics
PWM	Precautionary Working Method
PWMS	Precautionary Working Method Statement
R&D	Research and Development
RAF	Royal Air Force
RAMS	Risk Assessments and Method Statements
RAMSAR	Wetland site designated to be of international importance under the Ramsar convention.
RBMP	River Basin Management Plan
REAC	Register of Environmental Actions and Commitments
REM	Reserved matters (planning permission)
RHS	River Habitat Survey
RIGS	Regionally Important Geological Site
RIS	Road Investment Strategy
RNL	Relevant Noise Level
RPA	Root Protection Area
RPE	Respiratory Protective Equipment
RSE	Road Safety Engineers
RWSC	Routine and Winter Service Code
SAC	Special Area of Conservation

Acronym	Definition
SEE	Suitably experienced ecologist
SFAR	Strategic Flood Risk Assessment
SGAR	Stage Gate Assessment Review
SLR	Single Lens Reflex
SM	Scheduled Monument
SMS	Soil Management Strategy
SRN	Strategic Road Network
SNCI	Site of Nature Conservation Importance
SNRHW	Stable Non-Reactive Hazardous Waste
SOAEL	Significant Observed Adverse Effect Level
SoCC	Statement of Community Consultation
SoCG	Statement of Common Ground
SOP	Standard Operating Procedure
SPA	Special Protection Area
SPD	Supplementary Planning Documents
SPHN	Statutory Plant Health Notice
SPI	Species of Principal Importance
SPZ	Source Protection Zone
SQPV	Squirrel Pox Virus
SRG	Stakeholder Reference Group
SSSI	Site of Special Scientific Interest
SUDS	Sustainable Drainage System
SW	South West

Acronym	Definition
SWMP	Site Waste Management Plan
t	tonnes
TA	Transport Assessment
TAG	Transport and Analysis Guidance
TCPO	The Town and Country Planning (Development Management Procedure) (England) Order 2015
TM	Traffic Management
TMP	Traffic Management Plan
TMU	Traffic Monitoring Unit
TPO	Tree Protection Order
TRA	Traffic Reliability Area
TSCS	Thin Surface Course System
TTMP	Traffic and Transport Management Plan
TVCB	Temporary Vertical Concrete Barrier
UDP	Unitary Development Plan
UK	United Kingdom
UKCP	United Kingdom Climate Projections Programme
URC	United Reform Church
UV	Ultraviolet
UXO	Unexploded Ordnance
VES	Visual Effects Schedules
VLR	Variable Lighting Regime
VOL	Volatile Organic Compound

Acronym	Definition
VRS	Vehicle Restraint System
WCA	Wildlife and Countryside Act 1981
WCC	Woodland Carbon Code
WCH	Walking, Cycling and Horse Riding
WCHAR	Walking, Cycling and Horse Riding Assessment and Review
WFD	Water Framework Directive
WHO	World Health Organisation
WRAP	Waste and Resources Action Programme
WSI	Written Scheme of Investigation
WW II	World War Two
Zol	Zone of Influence
ZTV	Zone of Theoretical Visibility
ZVI	Zone of Visual Influence