

A38 Derby Junctions

TR010022

Volume 6

6.1 Environmental Statement
Chapter 17 – Abbreviations and
Glossary

Regulation 5(2)(a)

Planning Act 2008

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

April 2019

Infrastructure Planning

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A38 Derby Junctions Development Consent Order 202[]

6.1 Environmental Statement Chapter 17 Abbreviations and Glossary

Regulation Number	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference	TR010022
Application Document Reference	6.1
Author	A38 Derby Junctions Project Team, Highways England

Version	Date	Status of Version
1	April 2019	DCO Application

Glossary

Term	Description
Above Ordnance Datum (AOD)	Above the mean sea level at Newlyn in Cornwall calculated between 1915 and 1921, taken as a reference point for the height data on Ordnance Survey maps.
Affected Road Network (ARN)	Parts of the road network which are identified as likely to be affected by changes in air quality as a result of a development project.
Aggregate	Granular material (e.g. sand and gravel or crushed rock) that can be used for building and/or civil engineering purposes (e.g. for concrete production).
Agricultural Land Classification (ALC)	The system devised and introduced by the Ministry of Agriculture, Fisheries and Food to classify agricultural land according to the extent to which its physical or chemical characteristics impose long-term limitations on agricultural use. Land is graded between 1 (excellent quality) to 5 (very poor quality), with grade 3 subdivided into agricultural subgrades 3a and 3b.
Air quality action plan	A plan that must be compiled by a local authority if they declare an air quality management area.
Air quality dispersion modelling	An advanced dispersion model used to model the air quality impact of projects.
Air quality exceedance	Where pollutant concentrations exceed an air quality standard.
Air quality limit value	A maximum pollutant concentration to be achieved in the atmosphere, either without exception or with a permitted number of exceedances. Limit values are defined in European Union Directives and implemented in United Kingdom legislation.
Air Quality Management Area (AQMA)	If a local authority identifies any locations within its boundaries where the air quality objectives are not likely to be achieved, it must declare the area as an air quality management area. The local authority is subsequently required to put together a local air quality action plan.
Air quality objective	Objectives are policy targets generally expressed as a maximum ambient pollutant concentration to be achieved. The objectives are set out in the UK Government's Air Quality Strategy for the key air pollutants.
Alluvial deposits	Natural materials deposited within and adjacent to rivers.
Ambient noise	A sound that is totally encompassing in a given situation at a given time usually composed of sound from many sources near and far.
Ancient woodland	Land that has been continually wooded since at least the year 1600AD.
Annual Average Daily Traffic (AADT)	A measure used in transportation engineering and is the number of vehicles that will use a new or improved road on an average day.
Annual Average Weekday Traffic	The average 24-hour traffic volume occurring on weekdays throughout a full year.
Ambient noise	The total sound in a certain situation at a given time usually composed of sound from many sources, near and far.
Amenity	The relative pleasantness of a journey, or the ability of communities to achieve enjoyment and/or quality of life.

Term	Description
Annual Average Weekly Traffic	Traffic data obtained by calculating weekly traffic flows and then calculating the annual average. Often used in predicting noise levels and air quality, usually in conjunction with other parameters such as average vehicle speed and percentage heavy vehicles.
Annual Exceedance Probability (AEP)	Flood frequency is expressed in terms of an annual exceedance probability, which is the inverse of the annual maximum return period. For example, the 100-year flood (a flood likely to occur once every 100 years) can be expressed as the 1% AEP flood, which has a 1% chance of being exceeded in any year.
Appropriate Assessment	An assessment of the effects of a plan or project on the Natura 2000 network of European sites of nature conservation significance. The assessment focuses on the plan or project's implications for the site and any potential adverse impacts on its integrity.
Aquifer	An underground layer of water-bearing permeable rock, rock fractures or unconsolidated materials (gravel, sand or silt).
A-Road	A type of road prefixed with the letter 'A'. These are the busiest and most direct main roads, apart from motorways, and can be of different standard.
Attenuation pond	A pond designed to hold back water and release it at a controlled flow rate.
At-grade junction	An intersection of highways where the crossing is at the same level.
Baseline conditions	The environment as it appears (or would appear) immediately prior to the implementation of the project together with any known or foreseeable future changes that will take place before completion of the project.
Base year	Reflects the year which the data has been collected.
Basic noise level	A measure of source noise at a reference distance of 10m from the nearside carriageway edge.
Bedrock	Rock that underlies loose deposits such as soil or alluvium.
Below ground level (bgl)	Term used to differentiate below ground from above ground.
Best and most versatile land	Land defined as grades 1, 2 and 3a of the Agricultural Land Classification. This land is considered the most flexible, productive and efficient and is most capable of delivering crops for food and non-food uses.
Biodiversity	The biological diversity of the earth's living resources. The total range of variability among systems and organisms at the following levels of organisation: bioregional, landscape, ecosystem, habitat, communities, species, populations, individuals, genes and the structural and functional relationships within and between these different levels.
Borehole	A hole bored into the ground, usually as part of investigations, typically to test the depth and quality of soil, rock and groundwater. A borehole can also be used to dewater the ground.
Bridge deck	The component of a bridge superstructure that directly supports the road surface and traffic.
British Standards Institution (BSI)	A group which produces British Standards across industry sectors and which is formally designated as the National Standards Body for the UK.
Buffer	Specified area or distance surrounding a site or feature of interest.
Built heritage	A structure or building of historic value. These structures are visible above ground level.

Term	Description
Bund	An embankment structure.
Bypass	The diversion of a major road to carry traffic around a built up area, constructed to improve the journey of through traffic and/or improve the environmental conditions along the original route.
Calculation of Road Traffic Noise (CRTN)	A technical memorandum that describes the procedures for calculating noise from road traffic.
Carbon footprint	The total greenhouse gas emissions associated with a particular policy or development.
Carriageway	The width of a highway that can be used by motorised vehicles and non-motorised users, formed by a number of lanes.
Catchment	A drainage/basin area within which precipitation drains into a river system and eventually into the sea.
Chainage	The distance of any point along a road, measured along the road centreline from a chosen origin or start point.
Chartered Environmentalist (CEnv)	A professional qualification obtained by knowledgeable, experienced, competent and committed environmental professionals.
Climate	The climate can be described simply as the 'average weather', typically looked at over a period of 30 years. It can include temperature, rainfall, snow cover, or any other weather characteristic.
Climate change	This refers to a change in the state of the climate, which can be identified by changes in average climate characteristics which persist for an extended period, typically decades or longer.
Combined effect	A type of cumulative effect which occurs when different types of activity combine to have an effect on a specific receptor or resource.
Committed development	A development that has full or outline planning permission, or is allocated in an adopted development plan.
Compensation (environmental)	Mitigation measures applied where nothing can be done to reduce an environmental impact or effect. An example is habitat and species relocation.
Competent expert(s)	The terms used in the EIA Regulations to describe a suitably qualified and experienced person (or persons) responsible for the preparation of the Environmental Statement, either whole or in part.
Compulsory acquisition	The acquisition of land (or rights over land) without the owner's consent, but in return for compensation.
Congestion	A situation where the volume of traffic is too great for the road, causing vehicles to slow down or stop, often caused by bottlenecks, traffic incidents and junction design.
Conservation area	An area designated under section 69 of the Planning (Listed Buildings and Conservation Areas) Act 1990 as being of special architectural or historic interest and with a character or appearance which is desirable to preserve or enhance.
Construction and demolition waste	Consists of unwanted material produced directly or indirectly as a result of the construction phase.
Construction compound	Construction compounds will generally act as the points of entry to the worksites from the public highway. They may also be used for major stockpiling of materials such as top soil, and to facilitate transfer of materials to and from the site.

Term	Description
Construction Design and Management (CDM) Regulations 2015	The Construction (Design & Management) Regulations (CDM 2015) are the main set of regulations for managing the health, safety and welfare of construction projects.
Construction Environmental Management Plan (CEMP)	A plan prepared by a contractor which sets out how a construction project will avoid, minimise or mitigate effects on the environment and surrounding area and the protocols to be followed in implementing these measures, in accordance with environmental commitments.
Construction plant	Portable construction machinery and equipment.
Contractor	A general term used to describe an individual or company appointed by a developer to construct or manage a project at a certain price or rate.
Controlled waters	Rivers, streams, estuaries, lakes, canals, ditches, ponds and groundwater as far out as the UK territorial limit. The statutory definition is provided in section 104 (1) of the Water Resources Act 1991 and section 30A (d) of the Control of Pollution Act 1974.
County Wildlife Sites (CWS)	County Wildlife Sites designation is non-statutory, but is recognition of a site's high value for wildlife, with many sites being of county and often regional or national importance. They often support characteristic or threatened species and habitats included in Local and National Biodiversity Action Plans.
Culvert	A tunnel (pipe or box shaped) that carries a stream or open drain under a road or railway.
Cumulative effects (or impact)	Effects upon the environment that result from the incremental impact of an action when added to other past, present or reasonably foreseeable actions. Each impact by itself may not be significant but can become a significant effect when combined with other impacts.
Cutting	An earthwork to establish the road foundations (along with embankments), where the road is cut into the landscape, providing potential for visual screening and noise attenuation.
Cycle lane	A lane reserved exclusively for the use of bicycles.
Decibel (dB)	The scale used to measure noise is the decibel scale which extends from 0 to 140 decibels, corresponding to the intensity of the sound pressure level.
Delay	For pedestrians, this is the increase in the 'person-minutes' of the journey times of pedestrians and other non-motorised travellers. For traffic, this is the increase in journey times for drivers and passengers.
Department for Transport (DfT)	Government department responsible for the transport network in England, and for aspects of the transport network in the devolved administrations.
Deposition (dust)	The vertical passage of a substance (e.g. dust) to a surface or the ground.
Design Manual for Roads and Bridges (DMRB)	A series of 15 volumes that provide standards, advice notes and other published documents relating to the design, assessment and operation of trunk roads, including motorways in the United Kingdom, and, with some amendments, the Republic of Ireland.
Design-development	The process in which technical specialists (engineers and environmentalists) refine the design for the various elements of a development project.
Detailed assessment	Method applied to gain an in-depth appreciation of the beneficial and adverse consequences of the project and to inform project decisions. Detailed Assessments are likely to require detailed field surveys and/or quantified modelling techniques.

Term	Description
Determination	The formal judgement as to whether a project requires statutory Environmental Impact Assessment or not.
Development Consent Order (DCO)	The means of applying for consent to undertake a Nationally Significant Infrastructure Project (NSIP). NSIPs include, for example, major energy and transport projects.
Diffusion tube monitoring	Diffusion tubes are a pollutant specific method of monitoring and measuring different pollutants, including measuring oxides of nitrogen (NO _x). Diffusion tubes passively absorb the pollutant to which they are exposed in each place over a period, generally 2-4 weeks, and the tube is then returned to the laboratory for analysis.
Digital terrain model	A digital terrain model is a 3D representation of a terrain's surface.
Directive	Legal obligations imposed on European member states by the European Union.
Disbenefit	A disadvantage or loss resulting from something.
Diverge	The point where two streams of traffic split and go in different directions.
Do-Nothing (DN) scenario	The Do Nothing forecasting scenario is simply the existing network without modification in the Opening/Design Year.
Do-Minimum (DM) scenario	The Do-Minimum forecast scenario in the Opening/Design Year is the base road and traffic network against which alternative improvements can be assessed. In many cases, the definition of the Do-Minimum is straightforward; it is simply the Do-Nothing scenario. However, 1 or more of the following 4 cases may arise, in which the 'Do-Minimum' differs from the 'Do-Nothing': i) The case where works will be carried out regardless of whether or not the Do-Something scheme is built. ii) The case where the existing network may be improved to form a 'Do-Minimum' scheme which can be tested as an alternative to carrying out major Do-Something improvements. iii) The case where traffic conditions can be improved without significant capital expenditure. iv) The case where the area covered by the modelled network includes road proposals other than the one under immediate consideration.
Do-Something (DS) scenario	The Do-Something forecast scenario is the road proposal under consideration in the Opening/Design Year.
Driver stress	The adverse mental and physiological effects experienced by a driver traversing a road network.
Dumb-bell	A type of grade-separated junction which takes the form of a roundabout either side of a major road, linked by a bridge.
Dust	All airborne particulate matter.
Earthworks	The removal or placement of soils and rocks such as in cuttings, embankments and environmental mitigation, including the in-situ improvement of soils/rocks to achieve the desired properties.
Ecosystem	Biological community of interacting organisms (e.g. plants and animals) and their environment.
Effect	Term used to express the consequence of an impact (expressed as the 'significance of effect'), which is determined by correlating the magnitude of the impact (or change) to the importance, value or sensitivity of the receptor or resource, in accordance with defined significance criteria.
Embankment	Artificially raised ground, commonly made of earth material, such as stone, on which the carriageway is laid.

Term	Description
Embedded mitigation	Mitigation measures incorporated (embedded) into the design of a development project, for example earthworks to visually screen traffic movements in available views.
Emission factor toolkit	Tool used to assist local authorities in carrying out Review and Assessment of local air quality as part of their duties under the Environmental Act 1995.
Enabling works	Enabling works are preparations to make a building site ready for construction. It covers activities from site preparation, creation of access routes, and the installation of facilities like security fencing, ramps, and placing of signs.
Enhancement	A measure that is over and above what is required to mitigate the adverse effects of a project.
Envirocheck	A provider of environmental data, reports and risk solutions for use in site-based assessments.
Environmental/Ecological Clerk of Works (ECoW)	Supports compliance with legislation and planning conditions but also provides advice and guidance throughout construction.
Environmental assessment	A method and process by which information about environmental effects is collected, assessed and used to inform decision-making.
Environmental Health Officer (EHO)	A local authority officer with responsibilities for protecting public health through the administration and enforcement of environmental health legislation.
Environmental Impact Assessment (EIA)	A process by which information about environmental effects of a proposed development is collected, assessed and used to inform decision making. For certain projects, EIA is a statutory requirement.
Environmental effect	The consequence of an action (impact) upon the environment such as the decline of a breeding bird population as a result of the removal of hedgerows and trees.
Environmental impact	The change in the environment from a development such as the removal of a hedgerow.
Environmental masterplan	Plan which illustrates the mitigation measures integrated into the design of the Scheme.
Environmental Quality Standard (EQS)	Standards that have been developed with the aim to meet the requirements of the WFD Directive.
Environmental Statement (ES)	A document produced in accordance with the EIA Directive as transposed into UK law by the EIA Regulations to report the results of an EIA.
European Economic Area (EEA)	The European Economic Area (EEA) was established via the EEA Agreement, an international agreement which allows for the extension of the EU's single market to non-EU member parties.
European Protected Species	Species of plants and animals (not birds) which are protected by European law.

Term	Description
European site	The generic term used to describe the following designated sites: <ul style="list-style-type: none"> • Special Areas of Conservation (SACs) and Special Protection Areas (SPAs). • Sites that are in the process of designation as SACs and SPAs - these are known as proposed SACs (pSACs), candidate SACs (cSACs), potential SPAs (pSPAs) and Sites of Community Importance (SCIs), depending on the type of designation and point of progression through the designation process. • Ramsar Sites.
Examining Authority	A panel of inspectors appointed by the Secretary of State who are responsible for examining Development Consent Order applications for nationally significant infrastructure projects.
Excavated material	Largely natural soil and rock material that is removed from the ground during construction.
Exchange land	Mitigation land which is not smaller in area and is equally advantageous to the users of land taken by a development project.
False cutting	A means of screening the road from the surrounding landscape.
Farm viability assessment	An assessment which establishes the current operational and economic conditions of agricultural businesses and how a development project could affect their future viability.
Fill	Material used to artificially raise the existing ground levels.
Find spot	A term used to describe the location at which an archaeological find was discovered.
Flood Risk Assessment (FRA)	The process of assessing potential flood risk to a site and identifying whether there are any flooding or surface water management issues that may warrant further consideration or may affect the feasibility of a development.
Flood Zone	Flood Zone definitions are set out in the National Planning Policy Guidance. Used to create a flood map for planning risk. There are 3 flood zones which refer to the probability of river and sea flooding, ignoring the presence of defences.
Flood Zone 1	Flood Zone 1: land outside the floodplain. There is little or no risk of flooding in this zone.
Flood Zone 2	Flood Zone 2: the area of the floodplain where there is a low to medium flood risk.
Flood Zone 3	Flood Zone 3: the area of the floodplain where there is a high risk of flooding.
Floodplain	Land adjacent to a watercourse over which water flows or would flow in times of flood, but for defences in place.
Fluvial	A term that relates to rivers and streams and the processes that occur within them.
Fugitive dust	Visible emissions of dust that does not come from a definable point source, for example a smoke stack. Typical examples would include stored piles of soil, dry bare earth on construction sites or haul roads etc.
Future baseline	The situation and conditions that would prevail should a proposed development not proceed. Predicted impacts are compared against this theoretical scenario.
Gantry	A bridge-like overhead structure with a platform supporting equipment such as a crane, signals, or cameras.

Term	Description
Regionally Important Geological Sites (RIGS)	Locally designated sites of importance for geodiversity.
Geomorphology	The study of landforms and the processes which create them.
Geophysical survey	A process involving ground-based physical sensing techniques to determine the presence or absence of anomalies likely to be caused by archaeological features, structures or deposits.
Grade-separated junction	A type of junction where the major route (or routes) through the junction do not stop and do not cross any other road on the level. Movements to other roads are made using slip roads and bridges.
Green belt	A designation for land around certain cities and large built-up areas, which aims to keep this land permanently open or largely undeveloped.
Greenhouse gases	Atmospheric gases such as carbon dioxide, methane, chlorofluorocarbons, nitrous oxide, ozone, and water vapour that absorb and emit infrared radiation emitted by the Earth's surface, the atmosphere and clouds.
Ground investigation (GI)	An intrusive investigation undertaken to collect information relating to the ground conditions, normally for geotechnical or land contamination purposes.
Ground-borne vibration	Vibration generated by an event such as the pass-by vehicles in a tunnel, propagated through the ground or structure (i.e. not the air) into a receiving building.
Groundwater	All water which is below the surface of the ground and within the permanently saturated zone.
Groundwater source protection zone (SPZ)	Areas defined by the Environment Agency which show the risk from contamination/pollution to groundwater that is extracted for drinking water.
Habitat	The natural home or environment of an animal, plant, or other organism.
Habitat of principal importance	Habitats in England identified as requiring action in the UK Biodiversity Action Plan and which are regarded as having biodiversity conservation priorities.
Habitat Regulations Assessment (HRA)	A Habitat Regulations Assessment is required where a project may have significant effects on a site by affecting its function to support protected habitats or species. Its purpose is to assess the implications of the proposal in respect of the site's ' <i>conservation objectives</i> '. The assessment is undertaken by the competent authority, in this case the Secretary of State.
Handover Environmental Management Plan (HEMP)	A package of information that is handed over to those responsible for the future management and operation of the highway.
Haul road	A temporary road provided within a contractor's site area to allow for the movement of construction material, construction machinery and/or construction labour around the site.
Heavy goods vehicle (HGV)	A commercial carrier vehicle with a gross vehicle weight of more than 3.5 tonnes.
Hectare	A metric unit of measurement, equal to 2.471 acres or 10,000 square metres.
Heritage asset	A building, monument, site, place, area or landscape of historic value.
Highways Agency Drainage Data Management System (HADDMS)	Management system used to store technical information about the location and condition of drainage infrastructure on the network.

Term	Description
Highways Agency Water Risk Assessment Tool (HAWRAT)	A spreadsheet based application used to determine whether highway runoff is likely to have an ecological impact on surface watercourses.
Highways England	The government agency responsible for the operation, maintenance and improvement of England's trunk roads and motorways.
Historic Environmental Record (HER)	A record of all known archaeological finds and features and historic buildings and historic /landscape features, relating to all periods from the earliest human activity to the present day; maintained by each County and Unitary Authority in the United Kingdom.
Hot rolled asphalt	A common type of road surfacing comprising a dense mixture of mineral aggregate, sand and bitumen.
Hydrogeology	The nature, distribution and movement of groundwater in soils and rocks, including in aquifers.
Impact	Change that is caused by an action; for example, land clearing (action) during construction which results in habitat loss (impact).
Important hedgerow	A hedgerow that is at least 30 years old and which meets certain criteria relating to its particular archaeological, historical, wildlife and landscape value.
Inert waste	Defined in Article 2(e) of EU Landfill Directive (1999/31/EC) as waste that does not undergo any significant physical, chemical or biological transformations: <ul style="list-style-type: none"> • Inert waste does not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm to human health. • The total leachability and pollutant content and the ecotoxicity of its leachate are insignificant and, in particular, do not endanger the quality of any surface water and/or groundwater.
Interchange	A term used to describe a grade separated junction that provides free flow from one mainline to another.
Interim Advice Note (IAN)	Guidance notes issued by Highways England which incorporate amendments or additions to the Design Manual for Roads and Bridges.
Invasive species	Non-native UK plants that are invasive, for example Japanese Knotweed.
Junction	A place where two roads meet, regardless of design or layout.
Key characteristics (landscape)	The combination of elements that are particularly important to the current character of the landscape and help to give an area its particularly distinctive sense of place.
Landscape character area (LCA)	Areas of landscape that have a broadly consistent pattern of topography, land use and vegetation cover.
Land take	Land required for the Scheme
Lane	A section of carriageway marked out for the use of traffic, and typically intended for use in one direction.
Laydown area	An area used for the temporary storage of construction equipment and supplies.
Light goods vehicle	A motor vehicle used to carry goods with a total mass of up to 3.5 tonnes.
Link	A section of road between two junctions.

Term	Description
Listed building	A building of special architectural or historic interest. Listed buildings are graded I, II* or II, with Grade I being the highest. Listing includes the interior as well as the exterior of the building.
Local Air Quality Management	A key part in the UK Government's and the Devolved Administrations' strategies to achieve the air quality objectives.
Local Area Model	Traffic model which is used to test the impact of the Scheme on the local road network.
Local Biodiversity Action Plan	A plan that identifies threatened species and habitats and seeks to protect and restore biological systems.
Local Geological Site	Non-statutory geological sites considered worthy of protection for their earth science or landscape importance. Formerly known as Regionally Important Geological Sites.
Local Nature Reserves (LNR)	Local Nature Reserves are a statutory designation made under Section 21 of the National Parks and Access to the Countryside Act 1949 by principal local authorities.
Local planning authority	The local authority or council that is empowered by law to exercise planning functions.
Local Wildlife Site (LWS)	Non-statutory sites of nature conservation value that have been designated 'locally'. These sites are referred to differently between counties with common terms including site of importance for nature conservation, county wildlife site, site of biological importance, site of local importance and sites of metropolitan importance.
Lowest Observed Adverse Effect Level (LOAEL)	The lowest concentration or amount of a substance found by experiment or observation that causes an adverse alteration of morphology, function, capacity, growth, development, or lifespan of a target organism distinguished from normal organisms of the same species under defined conditions of exposure.
Low-noise surfacing	See thin surface course.
Made ground	Land where natural and undisturbed soils have largely been replaced by man-made or artificial materials. It may be composed of a variety of materials including imported natural soils and rocks with or without residues of industrial processes (such as ash) or demolition material (such as crushed brick or concrete).
Main river	A river maintained directly by the Environment Agency. They are generally larger arterial watercourses.
Mainline	The carriageway carrying the main flow of traffic, generally traffic passing straight through a junction or interchange.
Merge	The point where two different traffic flows come together and continue as one.
Mitigation	Measures including any process, activity, or design to avoid, reduce, remedy or compensate for negative environmental impacts or effects of a development.
Modelling	The process of estimating changes within an area of interest under a specific set of conditions.
Monitoring	A continuing assessment of the performance of the project, including mitigation measures. This determines if effects occur as predicted or if operations remain within acceptable limits, and if mitigation measures are as effective as predicted.

Term	Description
Multi-Agency Geographic Information Service (MAGIC)	A website which provides geographic information about the natural environment.
National Character Area (NCA)	Areas of England defined by their unique combination of landscape, biodiversity, geodiversity, history and cultural and economic activity.
National Cycle Network	A national cycling route network of the United Kingdom, which was established to encourage cycling throughout Britain, as well as for the purposes of bicycle touring.
National Planning Policy Framework (NPPF)	A planning framework which sets out the Government's planning policies for England and how these are expected to be applied.
National Policy Statement (NPS) for England	Statements prepared and designated by the Secretary of State under the Planning Act 2008, which establish national policy for Nationally Significant Infrastructure Projects, including energy, transport and water, waste water and waste and against which applications for Development Consent Orders are assessed.
National Policy Statement for National Networks (NPSNN)	A statement setting out the need for, and Government's policies to deliver, the development of nationally significant infrastructure projects on the national road and rail networks in England.
National speed limit	The default speed limit which applies to roads without any posted limit, this being 60mph on single carriageway roads and 70mph on dual carriageways and motorways.
National Vegetation Classification (NVC)	A comprehensive classification and description of the plant communities of Britain, administered by the Joint Nature Conservation Committee.
Nationally Significant Infrastructure Project (NSIP)	Nationally Significant Infrastructure Projects ("NSIP") are large scale developments such as certain new harbours, power generating stations (including wind farms), highways developments and electricity transmission lines, which require a type of consent known as 'development consent' under procedures governed by the Planning Act 2008 (and amended by the Localism Act 2011).
Natura 2000	A network of core breeding and resting sites for rare and threatened species, and some rare natural habitat types which are protected in their own right.
Nitrate vulnerable zone	Areas covering 62% of England designated as a result of the EU's Nitrates Directive in order to reduce the level of nitrates in surface and groundwater. Farmers with land in nitrate vulnerable zones have to follow mandatory rules to tackle nitrate loss from agriculture.
No Observed Adverse Effect Level (NOAEL)	The no-observed-adverse-effect level (NOAEL) denotes the level of exposure of an organism, found by experiment or observation, at which there is no biologically or statistically significant increase in the frequency or severity of any adverse effects (e.g. alteration of morphology, functional capacity, growth, development or life span) in the exposed population when compared to its appropriate control.
Noise barrier	A solid construction that reduces unwanted sound. It may take many forms including: engineering cutting; retaining wall; noise fence barrier; landscape earthworks; a 'low level' barrier on a viaduct; a parapet barrier on a viaduct; or any combination of these measures. Also called an attenuation barrier.

Term	Description
Noise Important Area	Areas identified with respect to noise from major roads and from roads within agglomerations where 'the 1% of the population that are affected by the highest noise levels from major roads' are located according to the results of the strategic noise mapping.
Noise sensitive receptor	These comprise mainly residential buildings, but also include educational buildings, hospitals and places of worship.
Non-hazardous waste	Any waste not defined as 'hazardous' under Directive 91/689/EEC. Examples include soils from ground/site clearance and demolition wastes.
Non-motorised users (NMU)	A collective term used to describe pedestrians, cyclists and equestrians (horse riders).
Non-Technical Summary (NTS)	Information for the non-specialist reader to enable them to understand the main predicted environmental effects of the proposal without reference to the main Environmental Statement.
Operational	The functioning of a project on completion of construction.
Ordinary watercourse	Ordinary watercourses include every river, stream, ditch, drain, cut, dyke, sluice, sewer (other than a public sewer) and passage through which water flows and which does not form part of a main river.
Ordnance Survey (OS)	The national mapping agency for the UK.
Outline Environmental Management Plan (OEMP)	The OEMP (Appendix 2.1 [TR010022/APP/6.3]) identifies environmental mitigation measures and has been used to inform the EIA. It defines those environmental commitments and actions which will be implemented (within the REAC). It includes a brief scheme description, identifies the roles and responsibilities of those who will be responsible for managing and reporting the construction phase environmental aspects. The OEMP will be used as a basis for the contractor's development of a Construction Environmental Management Plan (CEMP) and Handover Environmental Management Plan (HEMP).
Overbridge	A bridge crossing over a transport corridor (e.g. a highway).
Parapet	A parapet is a barrier which is an extension of the wall at the edge of a roof, terrace, balcony, walkway or other structure.
Particulate matter (PM)	Discrete particles in ambient air, with diameters ranging between nanometres (billionths of a metre) to micrometres (millionths of a metre).
Pathways	The routes by which pollutants are transmitted through air, water, soils, plants and organisms to their receptors.
Personal Protective Equipment (PPE)	Protective clothing, helmets, goggles, or other garments or equipment designed to protect the wearer's body from injury or infection.
Phase 1 habitat survey	A habitat classification and field survey technique to record semi-natural vegetation and other wildlife habitats.
Photomontage	Inserting an image of a proposed development onto a photograph for the purposes of creating an illustrative representation of potential changes to existing views.
Planning Inspectorate	An executive agency with responsibilities for planning appeals, national infrastructure planning applications, local plan examinations and other planning-related casework in England and Wales.

Term	Description
Planning Statement	A document prepared by applicants which provides background and technical information on a development project, the purpose being to inform determination of a planning application by demonstrating its compliance with relevant planning policy.
Pollution prevention guidance (PPG)	A series of guidance notes produced by the Environment Agency to advise industry and the public on legal responsibilities and good environmental practice.
Potential Local Wildlife Site (pLWS)	An area being considered against defined nature conservation value criteria. This criteria takes into account the most important, distinctive and threatened species and habitats. If considered suitable pLWS are confirmed as LWS. See Local Wildlife Site.
Preferred option	The chosen design option that most successfully achieves the project objectives and becomes subject to further design and assessment.
Preferred Route Announcement (PRA)	An announcement made by Highways England following the selection of a preferred option or solution for a given road project.
Preliminary Environmental Information (PEI)	Preliminary Environmental Information is defined in the EIA Regulations as: <i>'information referred to in Part 1 of Schedule 4 (information for inclusion in environmental statements) which –</i> (a) <i>has been compiled by the applicant; and</i> (b) <i>is reasonably required to assess the environmental effects of the development (and of any associated development).'</i>
Preliminary Environmental Information Report (PEIR)	A report that compiles and presents the Preliminary Environmental Information gathered for a development project.
Preliminary Sources Study Report (PSSR)	Reports the geotechnical implications for the feasibility of all project options.
Principal aquifer	These are layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer.
Project Control Framework (PCF)	A joint Department for Transport and Highways England approach to developing, delivering and managing major road projects.
Protected species	Species of wild plants, birds and animals which are afforded protection through legislative provisions.
Public right of way (PRoW)	A highway where the public has the right to walk. It can be a footpath (used for walking), a bridleway (used for walking, riding a horse and cycling), or a byway that is open to all traffic (including motor vehicles).
Ramsar (site)	Wetland sites that are of international importance, as designated under Article 2(1) of the Convention on Wetlands of International Importance especially as Waterfowl Habitat. Ramsar (Iran), 2 February 1971. UN Treaty Series No. 14583.
Receptor	A defined individual environmental feature usually associated with population, fauna and flora that has the potential to be affected by a project.

Term	Description
Record of Environmental Actions and Commitments (REAC)	The REAC forms part of the Outline Environmental Management Plan (OEMP), (refer to Appendix 2.1 [TR010022/APP/6.3]) and defines the environmental actions and commitments which have been identified and developed to mitigate the Scheme's environmental effects. The actions and commitments contained within the REAC are considered embedded mitigation and as such are considered to be in place within the ES assessments.
Remediation	The process of removing a pollution linkage (i.e. by removing one or more of the elements in a source-pathway-receptor linkage) in contaminated land in order to render an acceptable risk. Usually this involves a degree of removal of contaminants and/or blockage of pathways.
Residual effect	The predicted consequential change on the environment from the impacts of a development after mitigation.
Resource	A defined but generally collective environmental feature usually associated with soil, water, air, climatic factors, landscape, material assets, including the architectural and archaeological heritage that has potential to be affected by a project.
Restoration (ecological)	The re-establishment of a damaged or degraded system or habitat to a level similar to its original condition.
Riparian	Relating to or situated on the banks of a river.
Risk assessment	An assessment of the probability of a hazard occurring that could result in an impact.
River Basin Management Plan (RBMP)	River basin management plans (RBMPs) set out how organisations, stakeholders and communities will work together to improve the water environment.
Road Investment Strategy (RIS)	A document which sets out a long-term vision for England's motorways and major roads, outlining how smooth, smart and sustainable roads will be achieved through investment over a five year period (2015 - 2020).
Rochdale Envelope	An approach to consenting and environmental impact assessment, named after a UK planning law case, which allows the promoters of development projects to broadly define their schemes within agreed parameters to retain flexibility of design.
Roundabout	A circular, one-way junction at which other roads meet and terminate.
Runoff	The flow of water over the ground surface.
Scheduled monument	A ' <i>nationally important</i> ' archaeological site or historic building, given protection against unauthorised change and included in the Schedule of Monuments kept by the Secretary of State for Culture, Media and Sport. The protection given to scheduled monuments is given under the Ancient Monuments and Archaeological Areas Act 1979.
Scheme	All works associated with the A38 Derby junctions scheme.
Scoping	The process of identifying the issues to be addressed by the Environmental Impact Assessment process. It is a method of ensuring that an assessment focuses on the important issues and avoids those that are considered to be not significant.
Scoping Opinion	The written opinion of the relevant authority, following a request from the applicant for planning permission, as to the information to be provided in an Environmental Statement.

Term	Description
Scoping Report	A report which records the outcomes of the scoping process and is typically submitted as part of a formal request for a Scoping Opinion.
Screening	The formal process undertaken to determine whether it is necessary to carry out a statutory Environmental Impact Assessment and publish an Environmental Statement in accordance with the EIA Regulations.
Secondary A aquifer	These are permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.
Secondary B aquifer	These are predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers.
Secretary of State (SoS)	The cabinet minister who (among other things) acts as decision-maker on all national infrastructure applications for development consent.
Setting (cultural heritage)	The surroundings in which a heritage asset is experienced. Its extent is not fixed and may change as the asset and its surroundings evolve. Elements of a setting may make a positive, negative or neutral contribution to the significance of an asset and may affect the ability to appreciate it.
Severance (land)	The splitting of a land holding into more than one part, for example through the introduction of a new section of road.
Severance (non-motorised users)	The perceived separation of residents from facilities and services they use within their community caused by new or improved roads, or by changes in traffic flows.
Significance (of effect)	A measure of the importance or gravity of the environmental effect, defined by generic significance criteria or criteria specific to an environmental topic.
Significant Observed Adverse Effect Level (SOAEL)	The level of noise exposure above which significant adverse effects on health and quality of life occur.
Simple assessment	Initial, brief assessment activity based on the assembly of data and information that is readily available, to fulfil one of the following functions:
Site of Biological Importance	A non-statutory designation used by some local planning authorities to protect locally valued sites of biological diversity described as local wildlife sites by the UK Government.
Site of Importance for Nature Conservation (SINC)	Sites designated by local authorities for the purpose of conserving wildlife.
Site of Special Scientific Interest (SSSI)	Area of land notified by Natural England under section 28 of the Wildlife and Countryside Act 1981 as being of special interest due to its flora, fauna or geological or physiological features.
Site Waste Management Plan (SWMP)	A plan that is used to outline how a construction project will avoid, minimise or mitigate effects on waste production and handling on the environment and surrounding area.
Slip road	A connector road within a junction between a mainline carriageway and the local highway network, or vice versa, which meets the local highway network at-grade.

Term	Description
Sound power level	The sound power level of a source is a measurement of the total acoustic power it radiates. The sound power level is an intrinsic characteristic of a source (analogous to its volume or mass), which is not affected by the environment within which the source is located.
Sound pressure level	The parameter by which sound levels are measured in air. It is measured in decibels. The threshold of hearing has been set at 0dB, while the threshold of pain is approximately 120dB. Normal speech is approximately 60dB at a distance of 1 metre and a change of 3dB in a time varying sound signal is commonly regarded as being just detectable. A change of 10dB is subjectively twice, or half, as loud.
Source Protection Zone (SPZ)	Source Protection Zones ("SPZ") show the risk of contamination from any activities that might cause pollution to groundwater sources such as wells, boreholes and springs used for public water supplies. The closer the activity, the greater the risk. SPZs can comprise of up to three main zones (inner, outer and total catchment). A fourth zone of special interest can also occasionally be applied to a groundwater source.
Span	The horizontal distance between two supports of a structure (e.g. piers of a bridge or viaduct).
Spatial scope	The geographic area over which environmental impacts and effects could occur as a result of a development project.
Special Area of Conservation (SAC)	Sites designated under EU legislation for the protection of habitats and species considered to be of European interest.
Species of Principal Importance	Habitats and species of principal importance in England. Section 41 (S41) of the Act requires the Secretary of State to publish a list of habitats and species which are of principal importance for the conservation of biodiversity in England.
Stakeholder	An organisation or individual with a particular interest in a development project.
Standard mitigation	Measures comprising standard techniques and activities which are implemented during the construction of a development project to protect the environment and/or mitigate adverse effects, for example the covering of exposed materials to reduce dust emissions.
Statement of Outstanding Universal Value (OUV)	To be included on the UNESCO World Heritage List, sites must be deemed to be of ' <i>outstanding universal value</i> '. OUV is ' <i>cultural and/or natural significance which is so exceptional as to transcend national boundaries and to be of common importance for present and future generations of all humanity</i> '. The Statement of Outstanding Universal Value shall be the basis for the future protection and management of the property.
Statutory consultee	Organisations and bodies, defined by statute, which must be consulted on relevant planning matters.
Strategic road network (SRN)	The network of motorways and trunk roads in England.
Study area	The spatial area within which environmental effects are assessed (i.e. extending a distance from the project footprint in which significant environmental effects are anticipated to occur).
Superficial deposit	A geological deposit that was laid down during the Quaternary period. Such deposits were largely formed by river, marine or glacial processes but can also include wind-blown deposits known as loess.

Term	Description
Surface water	Waters including rivers, lakes, loughs, reservoirs, canals, streams, ditches, coastal waters and estuaries.
Sustainable drainage systems (SuDs)	Measures designed to control surface runoff close to its source, including management practices and control measures such as storage tanks, basins, swales, ponds and lakes. Sustainable drainage systems allow a gradual release of water and thereby reduce the potential for downstream flooding.
Swale	A low or hollow place, especially a marshy depression between ridges.
Temporal scope	The duration of time over which environmental impacts and effects could occur as a result of a development project.
Thin surface course	A generic term used to describe a type of road surfacing which has a high stone content, laid at a thickness of less than 50mm. It is applied to reduce the noise resulting from the interaction of vehicle tyres with the road. Also known as low-noise surfacing.
Trackout	The transportation of dust and dirt from construction sites onto the road network.
Traffic	The total volume of vehicle traffic on a road flowing past a certain point over a year, divided by 365 days.
Transboundary effects	The term used to describe the significant environmental effects of a development project which extend beyond the boundary of the European Economic Area State within which it would be implemented.
Translocation	The transporting and release of species or habitats from one location to another. For example, if an area of land is required permanently for a new development, species can be moved from that site to a suitable alternative location.
Transport Analysis Guidance (TAG)	Guidance produced by the Department for Transport for undertaking transportation studies, appraisals and modelling. Also referred to as WebTAG.
Tree Preservation Order (TPO)	An order made by a local planning authority, under the Town and Country Planning Act 1990, in respect of trees or woodlands. The principal effect of a tree preservation order is to prohibit the cutting down, uprooting, topping, lopping, wilful damage or wilful destruction of trees without the local planning authority's consent.
Trial trenching (cultural heritage)	A method of on-site archaeological investigation where trenches are dug at intervals across a site to identify any archaeological remains.
Trunk road	A road operated and maintained in England by Highways England.
Two-way trips	A person trip is a one-way journey by one person by any mode of transport, including walking, cycling, privately operated motor vehicles, or any public transport modes. A vehicle trip is a one-way journey by a single privately-operated motor vehicle regardless of the number of persons in the vehicle. Two-way trips refer to the total number of vehicle movements in both directions (i.e. with 200 westbound vehicles and 100 eastbound, there would be 300 two-way trips)
Unacceptable Adverse Effect Level	Extensive and regular changes in behaviour and/or an inability to mitigate effect of noise leading to psychological stress or physiological effects, e.g. regular sleep deprivation/awakening; loss of appetite, significant, medically definable harm, e.g. auditory and non-auditory.
Underbridge (or underpass)	A bridge crossing under a transport corridor (e.g. a highway).

Term	Description
Unexploded ordnance (UXO)	Explosives that did not explode when deployed and thus still pose a risk of detonation.
Unitary Development Plan (UDP)	A statutory document that sets out the council's planning policies for development, conservation, regeneration and environmental improvement activity.
Upgrade	Refers to the physical improvement of a road, through widening of the carriageway or rebuilding a junction.
Utilities	The term utilities can also refer to the set of services provided by these organisations consumed by the public: Coal, electricity, natural gas, water, sewage, telephone, and transportation. Broadband internet services (both fixed-line and mobile) are increasingly being included within the definition.
Vehicle movement	A journey made by a vehicle. This can either be a one way or two way trip.
Vehicle restraint systems	System installed on a road to provide a level of containment for an errant vehicle such as a safety barrier.
Viewpoint	A place from which something can be viewed.
VISSIM	A type of computer simulation software used in transportation assessments to model how traffic would interact on a given area of the road network.
Visual amenity	The overall pleasantness of the views people enjoy of their surroundings, which provides an attractive visual setting or backdrop for the enjoyment of activities of the people living, working, recreating, visiting or travelling through an area.
Visual receptor	People who may have a view of a proposed development during construction or operation.
Water Framework Directive (WFD)	The Water Framework Directive (WFD) introduced a new system for monitoring and classifying the quality of surface and ground waters. The Directive requires that Environmental Objectives be set for all surface waters and groundwater to enable them to achieve Good Ecological Potential/Status by a defined date.
World Heritage Site (WHS)	A site inscribed by UNESCO because of its Outstanding Universal Value under the terms of the UNESCO World Heritage Convention.
Worst-case assumption (or scenario)	An assumption adopted within an environmental impact assessment which identifies a scenario or parameter that would likely result in the maximum environmental effect (termed the worst-case). This is typically applied where uncertainty exists over the detail of a particular development component or approach to project delivery, for which a basis of assessment is needed.
Written Scheme of Investigation (WSI)	A Written Scheme of Investigation outlines known and potential archaeological features and deposits or built heritage elements on a site and suggests a structure for exploring them using the latest, most appropriate and cost-effective archaeological techniques.
Zone of Influence (Zol)	The area for the assessment of combined effects. Zols are variable depending on the environmental factor being discussed.
Zone of Theoretical Visibility (ZTV)	A map, usually digitally produced, showing areas of land within which the Scheme is theoretically visible.

Abbreviations

Abbreviation	Description
AA	Appropriate Assessment
AADT	Annual Average Daily Traffic
ACM	Asbestos Containing Materials
ADMS	Atmospheric Dispersion Modelling System
AEP	Annual Exceedance Probability
AIES	Assessment of Implications on European Sites
ALARP	As Low As Reasonably Practicable
ALC	Agricultural Land Classification
AMES	Areas of Multiple Sensitivity
AMS	Archaeological Mitigation Strategy
AOD	Above Ordinance Datum
AONB	Area of Outstanding Natural Beauty
APIS	Air Pollution Information System
AQAP	Air Quality Action Plan
AQMA	Air Quality Management Area
AQS	Air Quality Strategy
ASR	Annual Status Report
BAP	Biodiversity Action Plan
BAT	Best Available Technique
BCT	Bat Conservation Trust
BEIS	Business, Energy and Industrial Strategy
BGS	British Geological Survey
BGL	Below Ground Level
BHA	Building Height Attribute
BNL	Basic Noise Level
BOCC	Birds of Conservation Concern
BOD	Biochemical Oxygen Demand
BPM	Best Practicable Means
BS	British Standard
BSS	Basic Safety Standards
CA	Conservation Area
CAS	Chemical Abstract Service
CAZ	Clean Air Zone

Abbreviation	Description
CCRA	Climate Change Risk Assessment
CDW	Construction Demolition Waste
CEA	Cumulative Effects Assessment
CEMP	Construction Environmental Management Plan
CEnv	Chartered Environmentalist
CH ₄	Methane
CIEEM	Chartered Institute of Ecology and Environmental Management
CL:AIRE	Contaminated Land: Applications in Real Environments
CNS	Central Nervous System
CO ₂	Carbon Dioxide
CoCP	Code of Construction Practice
COMAH	Control of Major Accident Hazards
CoPA	Control of Pollution Act
COSHH	Control of Substances Hazardous to Health
CP	Core Principles
CRM	Community Relations Manager
CRTN	Calculation of Road Traffic Noise
CRoW Act	Countyside and Rights of Way Act
CS	Characteristic Situation
CSci	Chartered Scientist
CSM	Conceptual Site Model
CSR	Client Scheme Requirements
CWS	County Wildlife Site
D	Statutory Designated Asset (Heritage)
DAS	Discretionary Advice Service
dB	Decibel
DBtG	Derbyshire Bat Group
DCC	Derby County Council
DCiC	Derby City Council
DCIM	Derby Integrated Catchment Model
DCLG	Department for Communities and Local Government
DCMS	Department for Culture Media and Sport
DCO	Development Consent Order
dDCO	Draft Development Consent Order
Defra	Department for Environment, Food and Rural Affairs

Abbreviation	Description
DfT	Department for Transport
DM	Do Minimum
DMG	Derbyshire Mammal Group
DMRB	Design Manual for Roads and Bridges
DNES	Derbyshire and Nottinghamshire Entomological Society
DoWCoP	Definition of Waste: Development Industry Code of Practice
DQRA	Detailed Quantitative Risk Assessment
DS	Do Something
DTM	Digital Terrain Model
DU	Duration
DVMWHS	Derwent Valley Mills World Heritage Site
DVMWHSP	Derwent Valley Mills World Heritage Site Partnership
DWS	Drinking Water Standards
DWT	Derbyshire Wildlife Trust
EBC	Erewash Borough Council
EC	Extent
EclA	Ecological Impact Assessment
ECow	Ecological Clerk of Works
EEA	European Economic Area
EEA	European Economic Association
EFT	Emission Factor Toolkit
EIA	Environmental Impact Assessment
EM	Environmental Manager
EMF	Electromagnetic Fields
EMP	Environmental Management Plan
EMS	Environmental Mitigation Schedule
END	Environmental Noise Directive
EnvIS	Highways England Environmental Information System
EPS	European Protected Species
EPSML	European Protected Species Mitigation License
EQS	Environmental Quality Standards
ES	Environmental Statement
EU	European Union
EULV	EU Limit Values
EV	Electric Vehicle

Abbreviation	Description
ExA	Examining Authority
EWC	European Waste Catalogue
FAD	Further Archaeological Design
FEH	Flood Estimation Handbook
FEP	Flood Estimation Points
FRA	Flood Risk Assessment
GAC	Generic Assessment Criteria
GCN	Great Crested Newt
GHG	Greenhouse Gas
GI	Green Infrastructure
GIR	Ground Investigation Report
GIS	Geographical Information System
GLVIA	Guidelines for Landscape and Visual Impact Assessment
GPs	General Practitioners
GPP	Guidance for Pollution Prevention
GPU	Graphics Processing Unit
GQA	General Quality Assessment
GSV	Gas Screening Value
GVZ	Groundwater Vulnerability Zone
ha	Hectare
HAPMS	Highways England Pavement Management System
HAWRAT	Highways Agency Water Risk Assessment Tool
HADDMS	Highways England's Drainage Data Management System
HAGIS	Highways Agency Geographical Information System
HFCs	Hydrofluorocarbons
HDV	Heavy Duty Vehicles
HEBAP	Highways England Biodiversity Action Plan
HECCC	Highways England Customer Contact Centre
HEMP	Handover Environmental Management Plan
HER	Historic Environmental Record
HGV	Heavy Goods Vehicle
HIA	Heritage Impact Assessment
HLC	Historic Landscape Characterisation
HMP	Heritage Management Plan
HMWB	Heavily Modified Water Body

Abbreviation	Description
HPI	Habitat of Principal Importance
HRA	Habitats Regulations Assessment
HSWA	Health and Safety at Work etc. Act
HWRCs	Household Waste recycling Centres
IAN	Interim Advice Note
IAQM	Institute of Air Quality Management
ICCI	In-combination Climate Change Impact
ICM	Integrated Catchment Model
ICNIRP	International Commission on Non-ionizing Radiation Protection
ICOMOS	International Council on Monuments and Sites
ICRP	International Commission on Radiological Protection
ID	Identification
IDB	Internal Drainage Board
IEMA	Institute of Environmental Management and Assessment
IROPI	Imperative Reasons of Overriding Public Interest
IRZ	Impact Risk Zones
IUCN	International Union for Conservation of Nature
JNCC	Joint Nature Conservation Committee
JSNA	Joint Strategic Needs Assessments
km	Kilometre
KM	Kingsway/Markeaton junctions
L _{A10}	A-weighted, sound level exceeded for 10% of the measurement period
L _{A10,18h}	A-weighted, arithmetic average of each 1 hour L _{A10} level over the 18 hour period 06:00-00:00
L _{A90}	A-weighted, sound level exceeded for 90% of the measurement period
L _{Aeq}	A-weighted, equivalent sound level over the measurement period
L _{AFmax}	A-weighted, maximum sound level over the measurement period, measured on 'fast' response
LAA	Local Aggregate Assessment
LAQM	Local Air Quality Management
LAQM.TG	Local Air Quality Management Technical Guidance
LBAP	Local Biodiversity Action Plan
LCA	Landscape Character Area
LCLIP	Local Climate Impacts Profile
LCT	Landscape Character Type
LE	Little Eaton

Abbreviation	Description
LEL	Lower Explosion Limit
LGS	Local Geological Sites
LiDAR	Light Detection and Ranging
LLCA	Local Landscape Character Area
LLFA	Lead Local Flood Authority
LNR	Local Nature Reserve
LOAEL	Lowest Observable Adverse Effect Level
LoNI	Letters of No Impediment
LT	Long Term
LTCA	Local Townscape Character Area
LTT	Long Term Trends
LV	Limit Value
LVIA	Landscape and Visual Impact Assessment
LWS	Local Wildlife Site
L _w	Sound Power Level
m	Metres
MCA	Mineral Consultation Areas
MCV	Moisture Condition Value
MCHW	Manual of Contract Document for Highways Works
MCIEEM	Full Member of the Chartered Institute of Ecology and Environmental Management
MHCLG	Ministry of Housing, Communities and Local Government
MIOA	Member of the institute of Acoustics
MMP	Materials Management Plan
MOD	Ministry of Defence
MOE	Margin of Exposure
MOLA	Museum of London Archaeology
MSA	Mineral Safeguarding Areas
MT	Motorised Travellers
NCA	National Character Areas
NCR	National Cycle Route
ND	Non-Designated Asset (Heritage)
NDBC	Notts and Derby Bus Company
NE	Natural England
NERC	Natural Environment and Rural Communities
NGET	National Grid Electricity Transmission PLC

Abbreviation	Description
NHS	National Health Service
NGG	National Grid Gas PLC
NGR	National Grid Reference
NF ₃	Nitrogen Trifluoride
NHLE	National Heritage List for England
NIA	Noise Important Area
NIR	Noise Insulation Regulations
NIRS	National Incident Reporting System
NMU	Non-motorised Users
NNL	No-net Loss
NNR	National Nature Reserve
NOEL	No Observed Effect Level
NO _x	Nitrogen Oxide
NO ₂	Nitrogen Dioxide
NPPF	National Planning Policy Framework
NPS	National Policy Statement
NPSE	Noise Policy Statement for England
NPSNN	National Policy Statement for National Networks
NRMM	Non-Road Mobile Machinery
NSER	No Significant Effects Report
NSIP	Nationally Significant Infrastructure Project
NTS	Non-technical Summary
NVC	National Vegetation Classification
NVZ	Nitrate Vulnerable Zone
OEL	Occupational Exposure Limit
OEMP	Outline Environmental Management Plan (Appendix 2.1 [TR010022/APP/6.3])
OS	Ordnance Survey
OUV	Outstanding Universal Value
OWSI	Overarching Written Scheme of Investigation
PA 2008	Planning Act 2008
PAS	Portable Antiquities Scheme
PCF	Project Control Framework
PCM	Pollution Climate Mapping
PEC	Pedestrians, Equestrians and Cyclists
PEIR	Preliminary Environmental Information Report

Abbreviation	Description
PFCs	Perfluorocarbons
PHE	Public Health England
PLWS	Potential Local Wildlife Sites
PM	Particulate Matter
PO	Probability of Occurring
PRA	Preferred Route Announcement
PPE	Personal Protective Equipment
PPG	Planning Practice Guidance
PPG-N	Planning Practice Guidance on Noise
PPS	Planning Policy Statement
PPV	Peak Particle Velocity
PRA	Preferred Route Announcement
PROPWET	Proportion of time soils are WET
PRoW	Public Right of Way
pSAC	Possible Special Area of Conservation
pSPA	Potential Special Protection Area
PSS	Preliminary Sources Study
RBD	River Basin Districts
RBMP	River Basin Management Plan
RBS	Road Based Study
RCP	Representative Concentration Pathways
RDB	Red Data Book
RE	Reversibility
REAC	Register of Environmental Actions and Commitments
RHS	River Habitat Survey
RIGS	Regionally Important Geological Sites
RIS	Road Investment Strategy
RMSE	Root Mean Square Error
RPA	Root Protection Area
RR	Regional Cycle Route
RTM	Remedial Target Methodology
RTV	Remedial Target Value
RV	Representative Viewpoint
SAAR	Standard Average Annual Rainfall
SAC	Special Area of Conservation

Abbreviation	Description
SAM	Scheduled Ancient Monument
SAR	Standardised Admissions Ratio
SCI	Sites of Community Importance
SDDC	South Derbyshire District Council
SF ₆	Sulphur hexafluoride
SFAIRP	So Far As Is Reasonably Practicable
SFRA	Strategic Flood Risk Assessment
SI	Statutory Instrument
SIR	Standardised Incidence Ratio
SLA	Special Landscape Area
SLM	Sound Level Meter
SM	Scheduled Monument
SMP	Sewerage Management Plan
SMR	Standardised Mortality Ratio
SNRHW	Selected Non-Reactive Hazardous Waste
SOAEL	Significant Observed Adverse Effect Level
SoCC	Statement of Community Consultation
SoCG	Statement of Common Ground
SoS	Secretary of State
SOUV	Statement of Outstanding Universal Value
SPA	Special Protection Area
SPI	Species of Principal Importance
SPT	Standard Penetration Tests
SPZ	Source Protection Zones
SQI	Species Quality Index
SRN	Strategic Road Network
SSSI	Sites of Special Scientific Interest
SSWSI	Site Specific Written Scheme(s) of Investigation
ST	Short-term
STW	Severn Trent Water
SuDS	Sustainable Drainage Systems
SWMP	Site Waste Management Plan
SZ	Size
TAG	Transport Analysis Guidance
TF	Timing and Frequency

Abbreviation	Description
TIN	Technical Information Note
TMP	Traffic Management Plan (Appendix 2.3 [TR010022/APP/6.3])
TPH	Total Petroleum Hydrocarbons
TPO	Tree Preservation Order
TRL	Transport Research Laboratory
UEL	Upper Explosion Limit
UID	Unique Identity Number
UK	United Kingdom
UKCP18	UK Climate Projections 2018
ULSD	Ultra-low Sulphur Diesel
UNECE	United Nations Economic Commission for Europe
UNESCO	United Nations Educational, Scientific and Cultural Organization
VLLW	Very Low Level Waste
VP	Viewpoints
VR	Visual Receptor
WAC	Waste Acceptance Criteria
WBCSD	World Business Council for Sustainable Development
WFD	Water Framework Directive
WG	Weather Generator
WHO	World Health Organisation
WHS	World Heritage Site
WPZ	Water Protection Zone
WRAP	Waste & Resources Action Programme
WRI	World Resources Institute
WSS	Water Soluble Sulphate
ZoI	Zones of Influence
ZTV	Zone of Theoretical Visibility
4CBG	Four Countries' Biodiversity Group