



HIGH SPEED TWO

PHASE 2a INFORMATION PAPER

E1: CONTROL OF ENVIRONMENTAL IMPACTS

This paper outlines how environmental commitments will be met through controls both within and outside the Bill.

It will be of particular interest to those potentially affected by the Government's proposals for high speed rail.

This paper was prepared in relation to the promotion of the Bill: High Speed Rail (West Midlands-Crewe). Content will be maintained and updated as considered appropriate during the passage of the Bill.

If you have any queries about this paper or about how it might apply to you, please contact the HS2 Helpdesk in the first instance.

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E1: CONTROL OF ENVIRONMENTAL IMPACTS

1. Introduction

- 1.1. High Speed Two (HS2) is the Government's proposal for a new, high speed north-south railway. The proposal is being taken forward in phases: Phase One will connect London with Birmingham and the West Midlands. Phase 2a will extend the route to Crewe. Phase 2b will extend the route to Manchester, Leeds and beyond. The construction and authorisation of Phase One of HS2 is authorised by the High Speed Rail (London – West Midlands) Act (2017).
- 1.2. HS2 Ltd is the non-departmental public body responsible for developing and promoting these proposals. The company works to a Development Agreement made with the Secretary of State for Transport.
- 1.3. In July 2017, the Government introduced a hybrid Bill¹ to Parliament to seek powers for the construction and operation of Phase 2a of HS2 (the Proposed Scheme). The Proposed Scheme is a railway starting at Fradley at its southern end. At the northern end it connects with the WCML south of Crewe to allow HS2 services to join the WCML and call at Crewe Station. North of this junction with the WCML, the Proposed Scheme continues to a tunnel portal south of Crewe.
- 1.4. The work to produce the Bill includes an Environmental Impact Assessment (EIA), the results of which are reported in an Environmental Statement (ES) submitted alongside the Bill. The Secretary of State has also published draft Environmental Minimum Requirements (EMRs)², which set out the environmental and sustainability commitments that will be observed in the construction of the Proposed Scheme.
- 1.5. The Secretary of State for Transport is the Promoter of the Bill through Parliament. The Promoter will also appoint a body responsible for delivering the Proposed Scheme under the powers granted by the Bill. This body is known as the 'nominated undertaker'. The nominated undertaker will be bound by the obligations contained in the Bill and the policies established in the EMRs. There may be more than one nominated undertaker.
- 1.6. While the UK has notified its intention to withdraw from the European Union, the UK remains a member until withdrawal, meaning that rights and obligations under EU law apply until the date of departure. The Government has announced

¹ The High Speed Rail (West Midlands – Crewe) Bill, hereafter 'the Bill'.

² For more information on the EMRs, please see Information Paper E1: Control of Environmental Impacts.

its intention to convert all EU law into UK law, through the “Great Repeal Bill”³, so that the same rules and laws will apply on the day after exit as on the day before. It will then be for democratically elected representatives in the UK to decide on any changes to that law, after full scrutiny and proper debate.

- 1.7. These information papers have been produced to explain the commitments made in the Bill and the EMRs and how they will be applied to the design and construction of the Proposed Scheme. They also provide information about the Proposed Scheme itself, the powers contained in the Bill and how particular decisions about the Proposed Scheme have been reached.

2. Overview

- 2.1. The ES identifies the likely significant effects of the construction and operation of the Proposed Scheme, and identifies the range of mitigation measures that could be used to reduce or eliminate these effects. The assessment is based on a number of assumptions about design and construction practices. As the project is taken forward to detailed design and actual construction there may be some changes to assumed working practices and design.
- 2.2. However the nominated undertaker will not simply be free to change the design and working practices at will or without any control. There are a number of mechanisms within the Bill and supporting the Bill that will control changes to the project and therefore provide reassurance as to the extent of the actual impacts of the construction and operation of the Proposed Scheme.
- 2.3. There are three distinct components that taken together will effectively control the environmental impacts of the construction and operation of the Proposed Scheme. They are:
 - arrangements within the Bill for approving detailed design and construction arrangements;
 - policies, commitments and undertakings entered into outside of the Bill; and
 - existing legislation, unless expressly or by implication disapplied or modified by the Bill.
- 2.4. This information paper sets out the controls contained in the Bill and in general legislation which, along with undertakings given by the Secretary of State, will ensure that impacts which have been assessed in the ES will not be exceeded, unless any new impact or impacts in excess of those assessed in the ES:
 - result from a change in circumstances which was not likely at the time of the ES; or

³ Government has set out its position on the Great Repeal Bill in a White Paper: https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/604516/Great_repeal_bill_white_paper_accessible.pdf

- would not be likely to be environmentally significant; or
 - result from a change or extension to the project, where that change or extension does not itself require environmental impact assessment under either (i) article 4(1) of and paragraph 24 of Annex 1 to the EIA Directive⁴; or (ii) article 4(2) of and paragraph 13 of Annex 2 to the EIA Directive; or
 - would be considered as part of a separate consent process (and therefore further EIA if required).
- 2.5. Any nominated undertaker will be contractually bound to comply with the controls set out in this paper and as may be developed during the passage of the Bill through Parliament.
- 2.6. In addition, as occurred during the passage of the High Speed Rail (London – West Midlands) Act 2017, at the start of Select Committee proceedings in the House of Commons, the Secretary of State will give an undertaking to Parliament that “insofar as the Environmental Minimum Requirements (EMRs) are not directly enforceable against any person appointed as a nominated undertaker, the Secretary of State will take such steps as he considers are reasonable and necessary to secure compliance with those requirements”. That undertaking will also apply in a case where a statutory undertaker is carrying out development in connection with the Proposed Scheme in reliance on planning permission enjoyed under Schedule 31 to the Bill.
- 2.7. Assurances (including those relating to the EMRs) will be enforceable against any person appointed as the nominated undertaker through the Secretary of State’s undertaking set out above. This means that in the event of a failure to comply with an assurance, recourse will be through the Secretary of State, and the Secretary of State is answerable to Parliament for securing compliance.
- 2.8. If it is felt that a contractor undertaking works authorised by the Bill is not meeting the requirements of the EMRs then there are steps that can be taken to ensure there is an investigation and if any corrective action is needed it is taken. These are:
- Report to the nominated undertaker - The first step is to report any breach to the nominated undertaker. The nominated undertaker will implement the necessary corrective action.
 - Report to the Secretary of State - If unsatisfied by the nominated undertaker’s response the issue can be reported to the Department for Transport, which can direct the nominated undertaker to implement corrective action.
 - Report to Parliament - If unsatisfied with the Department for Transport’s response, the issue can be reported - to the Speaker in the House of

⁴ Please see Information Paper B5: Environmental Impact Assessment and Human Rights for more information.

Commons or, if it relates to an undertaking given to or accepted by the House of Lords Select Committee then to the Chairman of Committees in the House of Lords under Standing Order 130.

3. Controls within the Bill

Scope of the works

- 3.1. The first way in which environmental impacts are controlled is by defining the nature and location of the works.
- 3.2. Schedule 1 of the Bill describes the 'scheduled works' that the nominated undertaker will be authorised to carry out. The entries in the schedule provide a description of the type of work and their location. For example, Work No. 17 – A railway (12.03 kilometres in length) partly on viaduct commencing by a junction with the termination of Work No. 1 at a point 650 metres north-east of the junction of Stoneyford Lane with Uttoxeter Road and terminating at a point 810 metres south-west of the junction of Byway Open to all Traffic Ingestre 2 with Byway Open to all Traffic Ingestre 3. Work No. 17 includes viaducts Works Nos. 26A, 27 and 28, the Macclesfield to Colwich Line, the Trent and Mersey Canal, the River Trent, Hoo Mill Lane and Ingestre Pak Road and bridges over Works Nos. 24, 26, 34, 36 and 45.
- 3.3. The Bill provides for these works to be constructed on land within the lateral limits of deviation (LoD) for the work concerned shown on the deposited plans and provides for an upwards limit of deviation of 3 metres from the levels shown on the deposited sections for works, subject to any maximum level for any station, depot or shaft shown on the sections (see information paper B3: Limits on Parliamentary Plans). The deposited plans also show a further limit of land to be acquired or used outside the limits of deviation, which may be used for ancillary purposes.
- 3.4. In the case of any development authorised by the Bill which consists of the carrying out of a work other than a scheduled work (that is to say, the work is one not described in Schedule 1 to the Bill), planning permission is only granted by the Bill if:
 - the development is not likely to have significant effects on the environment; or
 - the development is not an exempt development within the meaning of the EIA Regulations ; or
 - it is a development covered by the assessment in the ES.
- 3.5. Any required works which do not benefit from the general deemed planning permission by virtue of not complying with the above criteria would have to be the subject of a new application for planning permission which would be subject to further environmental impact assessment.

Planning conditions

- 3.6. Environmental impacts are also controlled through the planning regime provided by the Bill. The Bill (by virtue of clause 17) deems planning permission to be granted for the works authorised by it, but this is subject to the conditions set out in Schedule 17. This Schedule includes conditions requiring various matters to be subject to the approval of the local planning authority. The extent and scope of these approvals will depend on whether or not a planning authority becomes a qualifying authority (as set out in Information Paper C1).
- 3.7. The following sections identify planning conditions that will apply to any development pursuant to the planning permission conferred by the Bill. These conditions are enforceable under the Town and Country Planning Act 1990 in the ordinary way.

Operation and works

- 3.8. Schedule 17 to the Bill provides for qualifying authorities to approve plans and specifications for building works, minor construction works such as the erection of fences and walls and artificial lighting. The grounds on which approval can be refused or conditions imposed on submissions for approval are specified in paragraph 2(5) and the table in paragraph 3(6) of Schedule 17 and vary depending on whether or not the relevant authority is a “qualifying authority”. These provisions do not apply to works of a temporary nature (see the comments on construction arrangements below for those), to anything underground except any part of a station available for use without a ticket, nor to any tunnel or railway track bed. For information as to the scope of approvals of authorities which are not qualifying authorities see information paper B2: The Main Provisions of the Planning Regime - for more details.

Ancillary construction arrangements

- 3.9. Conditions apply to construction arrangements relating to the handling of re-useable spoil or topsoils; storage sites for construction materials, spoil or topsoils; works screening; artificial lighting; dust suppression and road mud control measures. In the case of these works, approval may be granted through a class approval from the Secretary of State. The Secretary of State when granting a class approval may attach conditions to it, and will consult the relevant qualifying authorities before making the class approval.

Road transport

- 3.10. For construction arrangements relating to road transport and construction camps approval will be sought from the relevant qualifying authority and they may refuse to grant approval, or may approve but impose conditions, subject to the grounds set out in paragraphs 6(6) of Schedule 17.

Waste/spoil disposal and excavation

- 3.11. The Bill contains provisions to control environmental impacts from the disposal of waste material or the excavation of bulk material from borrow pits. Before

this takes place a scheme for the restoration of the land must be approved by the local planning authority. The grounds on which the local authority can refuse to approve, or can approve but impose conditions on a restoration scheme, are set out in paragraph 8(4) of Schedule 17.

Bringing into use of Scheduled Works

- 3.12. To ensure appropriate mitigation for the permanent works and their operation approval must be sought from the relevant qualifying authority before a Scheduled Work can be brought into use, unless that work is underground.
- 3.13. Approval is to be granted if the qualifying authority considers that there are no reasonably practicable measures which need to be taken for the purposes of mitigating the impacts of the work or its operation or if it has approved a mitigation scheme submitted by the nominated undertaker. The qualifying authority cannot refuse or impose conditions upon such a scheme unless it is satisfied that it is expedient to do so on the grounds that the scheme ought to be modified and is reasonably capable of being so modified in order to preserve the local environment, local amenity, a site of archaeological or historic interest or in the interests of nature conservation.

Restoration of construction sites

- 3.14. Where a site is used for construction purposes, a scheme of restoration must be submitted to the relevant planning authority within four months of the discontinuation of works at the site and restoration carried out in accordance with the terms of the approval. If the scheme is not approved by the local planning authority the site must be restored in accordance with a scheme determined by the appropriate Ministers.

Restoration of land following temporary possession and use

- 3.15. Schedule 15 provides for the temporary possession of land. Before giving up such land the nominated undertaker must return the land to its former condition or to a condition agreed by the owners of the land and the relevant planning authority.

Construction of replacement buildings

- 3.16. Clause 55 provides that when planning applications for the erection of buildings to replace those demolished for the construction of such things as maintenance facilities are submitted they must be accompanied by an environmental statement (even if one would not otherwise be required by the 2017 EIA Regulations) if there would be likely to be significant effects on the environment as a result of the replacement building.

Accesses to highways affecting traffic

- 3.17. In order to construct the Proposed Scheme it will be necessary to construct new, or alter existing, accesses to the local road network. To control the impact of this on local traffic, Schedule 4 of the Bill provides for local highway authorities to have an approval role. For the opening of an access onto, or the alteration of, a

road at a place shown on the deposited plans the works must be carried out in accordance with plans and specifications approved by the highway authority. In addition the local highway authority may require the access to be moved elsewhere within the Bill limits where that is reasonably capable of being done. If an access is required at a location other than that shown on the deposited plans, the consent of the highway authority is required, subject to its approval of plans and specifications.

Stopping up, diversion and interference with a highway

- 3.18. The construction of the Proposed Scheme will require the temporary closure, diversion or interference with highways. In order to address local impacts the Bill provides for highway authority input. Where a highway is specified within the Bill Schedule 4 also provides that, the nominated undertaker must consult the highway authority about the exercising of the powers before doing so. Where the powers are to be exercised in relation to a highway not specified within the Bill the nominated undertaker must obtain the consent of the highway authority.

Works affecting highways

- 3.19. Part 1 of Schedule 32 requires the nominated undertaker in exercising the powers in the Bill in relation to highways to have regard to the potential disruption of traffic and to seek to minimise such disruption so far as reasonably practicable and gives highway authorities rights of approval over various matters concerning details of the works affecting highways.
- 3.20. Additional controls are contained in Schedule 4. Where the nominated undertaker constructs a new or alters an existing highway, the construction or alteration must be completed to the reasonable satisfaction of the highway authority, who shall certify that fact in writing to the nominated undertaker.
- 3.21. Where the nominated undertaker constructs or realigns a highway that is constituted or comprises a carriageway, the work must be carried out in accordance with plans, sections and specification approved by the highway authority.

Protection of inland waterways and land drainage, flood defence, water resources and fisheries

- 3.22. The construction of the Proposed Scheme will have impacts on inland waterways and land drainage, flood defences, water resources and fisheries. In order to address these impacts the Bill includes a range of controls for the relevant authorities.
- 3.23. The impacts on inland waterways are addressed in Part 5 of Schedule 32, which gives the Canal and River Trust the power to approve plans and specifications for works affecting waterways for which it is responsible.
- 3.24. Part 4 of Schedule 32 states that before beginning to construct any “specified work” (in the main, those affecting drainage, flood storage and flood defence,

the flow or purity of water and conservation of water resources), the nominated undertaker will submit plans, including method statements, for the works to the Environment Agency or local drainage authorities (i.e. lead local flood authorities, or internal drainage boards) for approval. Works will be constructed in accordance with the approved plans.

- 3.25. The Environment Agency or local drainage authorities may, amongst other matters, make conditions requiring the nominated undertaker at its own expense to construct such protective works as are reasonably necessary to safeguard any drainage work against damage or to secure that its efficiency for flood defence purposes is not impaired during the construction of the specified works.
- 3.26. These provisions have effect instead of the normal consenting regime which would apply, for example, under the Environmental Permitting Regulations 2016, the Land and Drainage Act 1991, or the Water Resources Act 1991.

Statutory undertakers' works in consequence of the Proposed Scheme

- 3.27. If the environmental impacts of utilities' and similar bodies' works to their apparatus made necessary in consequence of the Proposed Scheme have been assessed in the published Environmental Statement, then under Schedule 31 of the Bill the utilities' permitted development rights under the General Permitted Development Order would generally be available to them, subject to the terms of any direction by the Secretary of State.
- 3.28. Schedule 31 provides that it will be a condition of the exercise of permitted development rights under the Schedule that the relevant statutory undertaker must comply with any notice given by the Secretary of State requiring the works to be undertaken so as to either (a) avoid a breach of any undertaking given to the Select Committee in the House of Commons or the House of Lords or (b) ensure that development is carried out so that the environmental effects are not materially different from those assessed in the environmental statement for the Proposed Scheme. Under Schedule 31 the Secretary of State is also given power to determine whether in any given case the development concerned has been so assessed.

Reinstatement of facilities

- 3.29. Clause 46 of the Bill confers power on the nominated undertaker to reinstate facilities whose operation or use is discontinued by virtue of the construction of the Proposed Scheme. These works are generally subject to the planning regime set out in Schedule 17 and discussed above. However greater controls for the protection of the local environment may be required over the construction or use of the reinstated facilities than is provided by Schedule 17. If the Secretary of State considers this to be the case to any particular reinstatement works a direction can be issued that the planning permission which would otherwise be conferred by the Bill shall not apply to that development and may also direct

that a deemed planning permission under the Town and Country Planning Act 1990 is granted subject to such conditions as are specified in the direction.

Disputes

- 3.30. Where the controls within the Bill which have been referred to above require consents or approvals from local authorities and similar regulatory bodies, these are generally not to be unreasonably withheld. The Bill provides various dispute resolution procedures where disagreements arise.

4. Controls outside the Bill

- 4.1. In addition to the controls provided for in the Act itself, there are a number of other mechanisms that will support the control of construction impacts. They are described below.

Environmental Minimum Requirements (EMRs)

- 4.2. This is a suite of documents that is being developed in consultation with local authorities and other relevant stakeholders in relation to the environmental impacts of the design and construction of the Proposed Scheme⁵. Any nominated undertaker will be contractually bound to comply with the controls set out in the EMRs.
- 4.3. Where it is considered necessary, these documents will be supplemented or varied in site specific undertakings in order to deal with specific issues around a particular site.
- 4.4. The EMRs comprise:
- a number of specific requirements, including that the nominated undertaker will in any event, and apart from the controls and obligations set out in this paper, use reasonable endeavours to adopt mitigation measures that will further reduce any adverse environmental impacts caused by the Proposed Scheme, insofar as these mitigation measures do not add unreasonable costs to the project or unreasonable delays to the construction programme;
 - the undertakings and assurances given by the Secretary of State (see paragraph 4.11 below); and
 - the four documents mentioned in paragraphs 4.6 to 4.9 below.
- 4.5. The EMRs will remain in draft until the Bill receives Royal Assent. The EMRs will continue to be refined during the Parliamentary process through engagement with local authorities and other relevant stakeholders. Any changes made to the EMRs during that process will not lessen the environmental controls in the draft EMRs published at the time of Bill deposit.

⁵ The EMRs are available to be read here: <https://www.gov.uk/government/collections/high-speed-rail-west-midlands-to-crewe-bill>

Planning Memorandum

- 4.6. The Planning Memorandum will set out in detail the responsibilities and requirements on planning matters in relation to those authorities that choose to become qualifying authorities. There will be a considerable number of Schedule 17 submissions and the memorandum will seek to ensure that the process of obtaining these consents does not unduly hinder the construction of the Proposed Scheme.

Heritage Memorandum

- 4.7. The Heritage Memorandum provides a framework for the nominated undertaker, Heritage England, local authorities and other stakeholders to work together to ensure that the design and construction of the Proposed Scheme is carried out with due regard for heritage considerations.

Code of Construction Practice

- 4.8. The Code of Construction Practice sets out specific details and working practices in relation to site preparation (including site investigation and remediation, where appropriate), demolition, material delivery, excavated material management, waste removal and all related engineering and construction activities. These will be the arrangements by which the nominated undertaker and any sub-contractors will be required to work.

Environmental Memorandum

- 4.9. The Environmental Memorandum provides a framework for the nominated undertaker and representatives of the National Environment Forum to work together to ensure that the design and construction of the Proposed Scheme is carried out with due regard for environmental considerations.

Property Mitigation Policies

- 4.10. In order to provide reassurance to property owners, policies have been developed to provide for noise mitigation and for the prevention or repair of damage caused by settlement. Further discretionary property compensation measures are currently being consulted on.

Undertakings and Assurances

- 4.11. During the passage of the Bill, the Secretary of State will enter into a range of undertakings and assurances that will be made contractually binding on any nominated undertaker. A register of all undertakings and assurances is being compiled and will be finalised after Royal Assent. Undertakings range from being generic to the entire project to being site specific.

5. Existing Legislation

- 5.1. Unless a piece of legislation will be expressly or impliedly disapplied, or modified by the Bill it will continue to apply as normal to the design and construction of the Proposed Scheme.

6. More information

6.1. More detail on the Bill and related documents can be found at: www.gov.uk/HS2