



Directorate for Planning, Growth and Sustainability

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BUCKINGHAMSHIRE COUNCIL DECISION NOTICE

Application no. 21/03691/HS2

Schedule 17 of the High Speed Rail (London – West Midlands), Act 2017

The local planning authority hereby GRANTS CONDITIONAL APPROVAL for the Plans and Specifications submission made under Schedule 17 to the High Speed Rail (London – West Midlands) Act 2017 as detailed below:

Applicant: HS2 Limited, Two Snowhill, Snow Hill, Queensway, Birmingham, B4 6GA

Location: Site extends from the north-east of Twyford to the west of Chetwode.

Proposal: Request for approval, in accordance with the requirements of paragraph 3 of Schedule 17 to the High Speed Rail (London West - Midlands) Act 2017, the nominated undertaker hereby requests approval of PLANS AND SPECIFICATIONS relating to the following development authorised by the Act. The proposed development: Twyford Embankment (Part of), Twyford Viaduct, PBI/5A Accommodation Overbridge, Cowley Embankment, Twyford Cutting, Godington East Viaduct (Part of), Godington West Viaduct (Part of), Godington East Embankment, Chetwode Embankment (Part of), Earthworks required to bridleway CHW/24/1 and Byway PBI/5A/3 and new maintenance access track off Byway PBI/5A/3, Godington East Culvert (above ground elements only), Godington West Culvert (above ground elements only), Location of the Vehicle Restraint Barriers, Diversion of Padbury Brook and other watercourses (Part of), 9 No. Drainage Ponds, Drainage Ditches, 2 No. Flood Compensation Areas, 1 No. Vehicle Restraint Bund, Noise Barriers and location of the permanent (security) fencing.

Plan references:

1MC06-CEK-TP-DLO-CS06_CL10-000002 C02 – Twyford to Chetwode Site Location Plan; 1MC06-CEK-TP-DGA-CS06_CL10-000011 C02 – Twyford to Chetwode General Arrangement Plan – For Approval Sheet 1 of 2; 1MC06-CEK-TP-DGA-CS06_CL10-000011 C02 – Twyford to Chetwode General Arrangement Plan – For Approval Sheet 2 of 2; 1MC06-CEK-TP-DDE-CS06_CL10-000001 C02 – Godington East and West Viaducts Parapet Details; 1MC06-CEK-TP-DDE-CS06_CL10-000003 C01 – Godington East and West Viaducts Plan on Deck Details; 1MC06-CEK-TP-DDE-CS06_CL10-000004 C01 – Godington East and West Viaducts Reflected

Soffit Plan Details; 1MC06-CEK-TP-DDE-CS06_CL10-000012 C01 – Twyford Viaduct Plan on Deck Details; 1MC06-CEK-TP-DDE-CS06_CL10-000013 C01 – Twyford Viaduct Reflected Soffit Plan Details; 1MC06-CEK-TP-DDE-CS06_CL10-000015 C01 – Twyford Viaduct Noise Barrier Details; 1MC06-CEK-TP-DDE-CS06_CL10-000019 C01 – PBI/5A Accommodation Overbridge Cross Section and Parapet Details – For approval; 1MC06-CEK-TP-DDE-CS06_CL10-000022 C02 – Twyford to Chetwode Noise Barrier Transition Details; 1MC06-CEK-TP-DDE-CS06_CL10-000026 C01 – Godington East and West Viaducts and Twyford Viaduct Pier Details; 1MC06-CEK-TP-DDE-CS06_CL10-000028 C02 – Twyford to Chetwode Pond details and sections; 1MC06-CEK-TP-DDE-CS06_CL10-000029 C01 – Twyford to Chetwode Padbury Brook Watercourse Diversions Sheet 1; 1MC06-CEK-TP-DDE-CS06_CL10-000030 C01 – Twyford to Chetwode Padbury Brook Watercourse Diversions Sheet 2; 1MC07-CEK-TP-DDE-CS06_CL10-000031 C01 – Twyford to Chetwode Padbury Brook Watercourse Diversions Sheet 3; 1MC06-CEK-TP-DDE-CS06_CL10-000042 C01 – Godington East and West Viaducts and Twyford Viaduct Superstructure Exploded Axonometric; 1MC06-CEK-TP-DGA-CS06_CL10-000017 C01 – Twyford Viaduct General Arrangement Plan – For Approval; 1MC06-CEK-TP-DGA-CS06_CL10-000019 C01 – Twyford Viaduct Plan Details – For Approval; 1MC06-CEK-TP-DGA-CS06_CL10-000021 C01 – Godington East and West Viaducts General Arrangement Plan – For Approval; 1MC06-CEK-TP-DGA-CS06_CL10-000023 C01 – Godington East and West Viaducts Plan Details – For Approval; 1MC06-CEK-TP-DPL-CS06_CL10-000013 C01 – Twyford to Chetwode Proposed Landform Plan Sheet 1 of 2; 1MC06-CEK-TP-DPL-CS06_CL10-000014 C02 – Twyford to Chetwode Proposed Landform Plan Sheet 2 of 2; 1MC06-CEK-TP-DPL-CS06_CL10-000023 C01 – Twyford to Chetwode Earthworks Cross Sections – Location Plan Sheet 1 of 2; 1MC06-CEK-TP-DPL-CS06_CL10-000024 C02 – Twyford to Chetwode Earthworks Cross Sections – Location Plan Sheet 2 of 2; 1MC06-CEK-TP-DPL-CS06_CL10-000067 C01 – PBI/5A Accommodation Overbridge Plan on Deck – For Approval; 1MC06-CEK-TP-DPL-CS06_CL10-000069 C01 – Godington East Culvert Plans and Sections; 1MC06-CEK-TP-DPL-CS06_CL10-000071 C01 – Godington West Culvert Plans and Sections; 1MC06-CEK-TP-DPL-CS06_CL10-000073 C02 – Twyford to Chetwode Drainage Plan Sheet 1; 1MC06-CEK-TP-DPL-CS06_CL10-000074 C02 – Twyford to Chetwode Drainage Plan Sheet 2; 1MC06-CEK-TP-DSE-CS06_CL10-000001 C01 – Twyford to Chetwode Earthworks Cross Sections Sheet 1 of 3; 1MC06-CEK-TP-DSE-CS06_CL10-000002 C02 – Twyford to Chetwode Earthworks Cross Sections Sheet 2 of 3; 1MC06-CEK-TP-DSE-CS06_CL10-000003 C01 – Twyford to Chetwode Earthworks Cross Sections Sheet 3 of 3; 1MC06-CEK-TP-DSE-CS06_CL10-000006 C01 – Godington East and West Viaducts Superstructure and Pier Elevations and Section; 1MC06-CEK-TP-DSE-CS06_CL10-000007 C01 – Godington East and West Viaducts Superstructure Longitudinal Section; 1MC06-CEK-TP-DSE-CS06_CL10-000013 C01 – Twyford Viaduct Superstructure and Pier Elevation and Section; 1MC06-CEK-TP-DSE-CS06_CL10-000014 C01 – Twyford Viaduct Superstructure Longitudinal Section; 1MC06-CEK-TP-DSE-CS06_CL10-000027 C01 – Twyford Viaduct Elevation and Longitudinal Section – For Approval; 1MC06-CEK-TP-DSE-CS06_CL10-000029 C01 – Twyford Viaduct Abutment Section – For Approval; 1MC06-CEK-TP-DSE-CS06_CL10-000031 C01 – PBI/5A Accommodation Overbridge Longitudinal Section and Elevation – For Approval; 1MC06-CEK-TP-DSE-CS06_CL10-000033 C01 – Godington East and West Viaducts Elevations and Sections – For Approval; 1MC06-CEK-TP-DSE-CS06_CL10-000035 C01 – Godington East and West Viaducts Abutment Section; 1MC06-CEK-TP-DSE-CS06_CL10-000043 C01 – Twyford to Chetwode Access Tracks Longitudinal Sections Sheet 1; 1MC06-CEK-TP-DSE-CS06_CL10-000044 C01 – Twyford to Chetwode Access Tracks Longitudinal Sections Sheet 2; 1MC06-CEK-TP-DSE-CS06_CL10-000047 C02 – Twyford to Chetwode Flood Compensation Areas Sheet 1

This approval is subject to the following conditions and reasons:

1. Prior to the construction of the proposed attenuation ponds referenced P-LAN-0822 (C2.L.70), C2.T.71-REG-0825, C2.T.79-REG-08455, C2.T.79-REG-08458 and C2.T.80-REG-0846, shown in the submitted Drainage Mitigation Report (reference 1MC06-CEK-TP-REP-CS06_CL10-000007), details of the control mechanism proposed to be in place to manage the risk of groundwater emergence shall be submitted to and approved in writing by the Local Planning Authority. Ponds shall be designed so that groundwater cannot accumulate within the ponds.

The submission shall include details of the control mechanism and also the following information:

- i) Dewatering rates calculations, e.g. using the EA approved Dupuit Forcheimer equation, and drainage calculations provided to demonstrate that the plans for locally lowering groundwater levels will adequately mitigate the risk of groundwater emergence up into the surface water attenuation ponds, and that the ponds will still be able to attenuate the 1 in 100-year storm event with a 40% allowance for climate change based on an outfall discharge rate equal to the greenfield runoff rate for the catchment.
- ii) Zone of influence calculations, e.g. using the EA approved Sichardt equation, are undertaken and presented to establish that the zone of influence of the drain extends across the full area of the attenuation feature(s) to provide efficient capture of water balanced against the future possibility of draining the ponds from below, i.e. that the proposed separation distance of 500mm is sufficient to achieve drawdown balanced against drainage of the ponds.
- iii) Infiltration test results (either to BRE365 standard or in line with the principles of Building Regulations Part H2) to demonstrate that the soils are “almost impermeable” which underpins the indicative design proposals. Note: There appears to be an area where alluvium is present, potentially of variable composition and therefore variable permeability.
- iv) The discharge points of any underdrainage.
- v) The construction methodology and selection of the materials used to form the drains and in particular the following aspects should be ensured:
 - a. A method of installation which will not affect the material properties of the surrounding soils, in particular that the permeability of the soils above and surrounding the drain is not affected during installation;
 - b. Consideration that the drainage does not lead to drying out of the soils and excessive consolidation/shrinkage (which may lead to the creation of preferential flow paths through the soils).
 - c. That the drain has sufficient strength to support soil loads together with any hydraulic pressures to avoid distortion, or collapse.
 - d. That the drains have perforations, apertures or screens capable of retaining surrounding soils to prevent excessive clogging, or resistance to groundwater flow.

Reason: To protect the local environment and local amenities, by the appropriate management of surface water drainage in an area with high groundwater levels, in accordance with Schedule 17 of the High Speed Rail (London - West Midlands) Act 2017.

Informatives:

1 Noise Reports

It would be useful if future Schedule 17(3) applications contained tabulated results for the noise impacts of any other options considered rather than just a description of the impacts of those options.

2 Internal Drainage Board

The applicant is advised to engage with the Buckingham & River Ouzel Internal Drainage Board prior to the submission of any Schedule 33 applications.

3 Lead Local Flood Authority

The applicant is advised to engage with the Lead Local Flood Authority prior to the submission of details required under Condition 1 of this approval and in advance of the future Bringing Into Use submission in accordance with Schedule 17(9) of the HS2 Act.

Drainage details to be included in the Bringing Into Use application should include:

1) Permeability of the construction material being used for the surfacing of PBI/5A Accommodation Overbridge, bridleway CHW/24/1 and Byway PBI/SA/3 and new maintenance track off Byway PBI/SA/3.

2) Detailed drainage layout showing full drainage network (pipe and manhole numbers, pipe gradients, and pipe sizes).

3) Details of flow controls and their location shown in map form.

4) Locations of the proposed outfalls including invert levels.

5) Drainage calculation outputs for the entire drainage network (including carrier drains etc. in addition to the attenuation basins).

6) Outfalls must discharge pointing downstream obliquely to the watercourse flow between 30° and 60° (ideally 45 degrees to the direction of flow).

The applicant is advised that the proposed ponds should not be classified as a pollution treatment stage in catchments C2.L.70, C2.T.71, C2.T.79, and C2.T.80, because there is not adequate depth of unsaturated soil (i.e. greater than 1 m) between the invert of the pond and maximum recorded groundwater level.

4 Conformity of Plans

If the works hereby approved require amendment as a consequence of Schedule 33 approvals, a further Schedule 17 application will be required to the Local Planning Authority.

5 Diversion of Padbury Brook

This consent does not grant approval for the diversion of Padbury Brook under Godington West Viaduct which will be the subject of a separate planning application under the Town and Country Planning Act 1990 as this is a Scheduled Work (2/97) which lies beyond the Limit of Deviation of HS2.

Signed:

A handwritten signature in black ink, appearing to read 'SB', with a stylized flourish at the end.

Steve Bambrick
Service Director of Planning and Environment
On behalf of the Council

Date: **15 March 2022**

Your attention is drawn to the attached note.

NOTE

1. APPEALS

If you are aggrieved by the decision of your Local Planning Authority to refuse approval for the plans and specifications for the proposed works or the imposition of conditions on an approval, then you can appeal to The Secretary of State for Transport and the Secretary of State for Communities and Local Government under Schedule 17, Part 3, paragraph 22 of the High Speed Rail (London – West Midlands), Act 2017. If you want to appeal, you must do so within 42 days from the date of notification of this decision, using a form prescribed in Schedule 1 to the High Speed Rail (London – West Midlands) (Planning Appeals) (Written Representations Procedure) (England) Regulations 2017.