



High Speed Rail (West Midlands - Crewe)

Supplementary Environmental Statement and
Additional Provision Environmental Statement

Volume 5: Technical appendices

Cultural heritage impact assessment tables (CH-003-000)



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Department for Transport

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1 Introduction

1.1 Structure of the cultural heritage appendices

- 1.1.1 This document is an appendix which forms part of Volume 5 of the Supplementary Environmental Statement (SES) and Additional Provision Environmental Statement (AP ES).
- 1.1.2 This appendix provides an update to the cultural heritage impact assessment presented in the High Speed Rail (West Midlands - Crewe) Environmental Statement (ES)¹ published in July 2017 (the main ES) as a result of the SES changes and AP amendments, assessed as part of the SES and AP ES. This update should be read in conjunction with Volume 5: Appendix CH-003-001, Volume 5: Appendix CH-003-002, Volume 5: Appendix CH-003-004 and Volume 5: Appendix CH-003-005 of the main ES.
- 1.1.3 This appendix covers the following community areas (CAs):
- CA1: Fradley to Colton;
 - CA2: Colwich to Yarlet
 - CA4: Whitmore Heath to Madeley; and
 - CA5: South Cheshire.

1.2 Impact Assessment

- 1.2.1 This appendix presents information on the impacts on all identified heritage assets potentially affected by the SES changes and AP amendments and the likely significant environmental effects, taking into account agreed mitigation measures. Impact assessment tables for CA1 and CA5 are presented in Table 2 and Table 5. Details on the assignment of values and the assessment of the scale of impacts are set out in the main ES Environmental Impact Assessment Scope and Methodology Report (SMR) and its Addendum (see main ES Volume 5: Appendix CT-001-001² and Volume 5: Appendix CT-001-002³).
- 1.2.2 Where relevant, potential effects resulting from construction or operational noise have been considered during assessment.
- 1.2.3 In order to differentiate between the original proposals assessed as part of the main ES and subsequent changes, the following terms are used throughout the SES and the AP ES to define the scheme as it relates to the HS2 Phase 2a project:

¹ HS2 Ltd (2017), High Speed Rail (West Midlands-Crewe) Environmental Statement, <https://www.gov.uk/government/collections/hs2-phase-2a-environmental-statement>.

² HS2 Ltd (2017), High Speed Two (HS2) Phase 2a (West Midlands - Crewe), Environmental Impact Assessment Scope and Methodology Report, Volume 5: Appendix CT-001-001. https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/627187/E23_EIA_SMR_CT-001-001_WEB.pdf

³ HS2 Ltd (2017), High Speed Two (HS2) Phase 2a (West Midlands - Crewe), Scope and Methodology Report Addendum, Volume 5: Appendix CT-001-002. https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/627188/E24A_CT-001-002_Part_1_WEB.pdf

- 'the original scheme' - the Bill scheme submitted to Parliament in July 2017, which was assessed in the main ES;
- 'the SES scheme' – the original scheme with any changes described in the SES that are within the existing powers of the Bill; and
- 'the AP revised scheme' – the original scheme as amended by the SES changes and amendments.

2 Fradley to Colton

2.1 Corrections to the main ES

2.1.1 Since the submission of the main ES, the need for a number of corrections has been identified. Each correction has been reviewed to establish whether the correction leads to new or different likely significant environmental effects from those reported in the main ES. A factual inaccuracy identified in Volume 5: Appendix CH-003-001 of the main ES, which does not lead to new or different likely significant environmental effect, but which relates to a significant effect identified in the main ES is presented in Table 1. The corrections relate to the original scheme. Subsequent changes as a result of the AP amendments are reported in Table 2.

Table 1: Corrections to the main ES for the Fradley to Colton area

Reference in the main ES	Reason for correction	Text in the main ES	Revised text	Change to significant effects
Table 1, Volume 5: CH-003-001, CA1 of the main ES	The main ES did not report an impact relating to buried archaeological features (FRCo44) from the temporary off-route road modifications.	Table 1, 45 th entry: This archaeological asset lies immediately outside of the land required for the Proposed Scheme. It will be partially removed by works associated with the creation of a grassland habitat to the south-west of the River Trent viaduct. Scale of impact – Medium Effect – Moderate Adverse	Table 1, 45 th entry: This archaeological asset lies slightly within the land required for the Proposed Scheme. It will be partially removed by works associated with the creation of a grassland habitat to the south-west of the River Trent viaduct and, very slightly, by the widening of the junction of A513 Kings Bromley Lane and B5014 Uttoxeter Road. Scale of impact – Medium Effect – Moderate Adverse	No change. This correction will not lead to a new or different significant effect.
Cultural Heritage	The main ES did not report impacts relating to buried archaeological features (FRCo75), Possible cursus, north of Hill Ridware Road,	Table 1 – 76 th , 153 rd , 163 rd , and 170 th entries.	Table 1 – 76 th , 153 rd , 163 rd , and 170 th entries.	No change

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Reference in the main ES	Reason for correction	Text in the main ES	Revised text	Change to significant effects
Table 1, Volume 5, CH-003-001, CA1 of the main ES	Hill Ridware (FRC162) and an enclosure, south of Eastfields, Mavesyn Ridware (FRC169) from the temporary off-route road modifications.	These assets were reported as being outside of the land required for the Proposed Scheme (Scale of impact – no change, Effect – neutral).	<p>These archaeological assets lie slightly within the land required for the Proposed Scheme. These assets may be slightly impacted by works associated with the widening of the B5014 Uttoxeter Road.</p> <p><u>FRC075</u></p> <p>Scale of impact – Minimal</p> <p>Effect – Minor Adverse</p> <p><u>FRC162</u></p> <p>Scale of impact – Minimal</p> <p>Effect – Minor Adverse</p> <p><u>FRC169</u></p> <p>Scale of impact – Minimal</p> <p>Effect – Negligible</p>	These corrections will not lead to a new or different significant effect.
Cultural Heritage Table 1, Volume 5, CH-003-001, CA1 of the main ES	The main ES did not report impacts relating to Milepost, Eastfields, Hill Ridware (FRC152) from the temporary off-route road modifications.	<p>Table 1 – 153rd entry.</p> <p>This asset was reported as being outside of the land required for the Proposed Scheme</p> <p>Scale of impact – No change</p> <p>Effect – Neutral</p>	<p>Table 1 – 153rd entry.</p> <p>This archaeological asset lies slightly within the land required for the Proposed Scheme. However, this asset will not be impacted by works associated with the widening of the B5014 Uttoxeter Road.</p> <p>Scale of impact – No change</p> <p>Effect – Neutral</p>	<p>No change</p> <p>This correction will not lead to a new or different significant effect.</p> <p>It should be noted that this asset will not be within the land required for the scheme as a result of amendment AP-001-003 (see Table 2).</p>

2.2 Impact Assessment Table

Table 2: Impact assessment for the Fradley to Colton area

Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
FRC040	Bronze Age Barrow cemetery north-west of Echills Farm, Kings Bromley	Non-designated	Moderate	This asset is located within the land required for the AP revised scheme. Buried archaeological deposits associated with the asset will be substantially removed by the diversion of the South Staffordshire Water 36-inch water main under the River Trent viaduct (AP-001-102), and the construction of the River Trent viaduct and presence of the River Trent viaduct satellite compound.	High	Permanent Major Adverse	The construction effect remains and there will be no further impact from the scheme.	No change	Neutral	Diversion of the South Staffordshire Water 36-inch water main under the River Trent viaduct (AP-001-102) will create a different significant effect by removing more of the asset. However, this high impact will not change the level of significance of the effects reported in the main ES (major adverse).
FRC075	Mortuary enclosure, ring ditches and pit alignment to the west of Pipe Ridware Hall	Non-designated	Moderate	This asset is located partially within the land required for the AP revised scheme. A portion of buried archaeological remains associated with the asset will be removed by the construction of	Medium	Permanent Moderate Adverse	The construction effect remains and there will be no further impact from operation of the scheme.	No change	Neutral	The construction of the site haul route and HS2 maintenance access route (AP-001-003) will create a new significant effect by removing part of the asset. This medium impact will change the

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
				the site haul route and HS2 maintenance access route (AP-001-003) which encroaches on the asset.						level of significance of the effects reported in the main ES, as corrected in Table 1, from minor to moderate adverse.
FRC078	Pipe Ridware Hall, including remains of dovecot, garden walls and gate piers, and farmstead	Grade II listed buildings	Moderate	This asset is located outside of the land required for the AP revised scheme. The significance of this asset lies in its historic fabric, the relationship between the buildings within the farmyard complex and views to the west from the main elevation of the 19 th century hall. The asset is set within a working farm with numerous large modern sheds to the east and is located to the edge of the village of Pipe Ridware. Construction works associated with the borrow pit at Blithbury, north of the River Trent viaduct, and the use of Pipe Lane within Pipe Ridware for access will not impact	Minimal Minimal	Temporary Negligible Adverse Permanent Negligible Adverse	The operation of the scheme will introduce occasional and transient noise into the setting of the asset. However, the presence of intervening buildings between the asset and the scheme and the nature of the asset as a working farm mean the noise will only represent a minimal impact upon the asset.	Minimal	Permanent Negligible Adverse	No change The asset will not be impacted by the scheme as a result of amendment AP-001-003.

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
				<p>on the asset's fabric or its historic relationship. There may be incidental and transient noise, in addition to the noise from the working farm, although intervening buildings should dampen this. The occasional use of Pipe Lane is unlikely to be a louder intrusion into the setting than general farm traffic. There will be no visible intrusion from the original scheme or AP revised scheme into the view from the main elevation of the hall, although the viaduct will be intermittently visible to the north-east. There will be no change to the nature of the impact as a result of AP-001-003 (Additional land permanently required for a new site haul route and HS2 maintenance access route from Pipe Lane</p>						

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
				and modifications to existing highways).						
FRC079	Wheelwright cottage and attached workshop	Grade II listed building	Moderate	<p>This asset is located outside of the land required for the AP revised scheme. The significance of the asset lies in its historic fabric, in its layout and relationship to other buildings around the internal courtyard. The immediate setting of the asset is defined by the relationship between the buildings, while the broader setting of the asset is defined by the village of Pipe Ridware and to the hall to the south, towards which the asset faces.</p> <p>Construction works associated with the borrow pit at Blithbury, north of the River Trent viaduct, and the use of Pipe Lane within Pipe Ridware for access will not impact on the asset's fabric or its historic relationship.</p>	Low	Temporary Minor Adverse	The operation of the scheme will introduce some incidental and occasional noise into the setting of the asset, although the impact is not considered to represent an alteration to the asset's setting.	Low	Permanent Minor Adverse	<p>No change</p> <p>The asset will not be impacted by the scheme as a result of amendment AP-001-003.</p>

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
				<p>Temporary construction works associated with the modifications to Pipe Lane will result in a temporary effect on the setting of the asset. This is not considered to represent a significant effect on the asset. The original scheme may be visible to the east as it will be on an approximately 15m high viaduct at this location, although this will have a limited impact on the asset's setting, as vegetation should reduce this. The asset will experience some temporary impact from traffic generated noise although this is not considered to represent a significant impact upon the asset's significance. There will be no change to the nature of the impact as a result of AP-001-003</p>						

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
				(Additional land permanently required for a new site haul route and HS2 maintenance access route from Pipe Lane and modifications to existing highways).						
FRC083	Cropmark remains of Iron Age square barrow and field system west of Parva House, Pipe Ridware	Non-designated	Moderate	This asset is located partially within the land required for the AP revised scheme. A portion of buried archaeological remains associated with the asset will be removed by the site haul route and HS2 maintenance access route (AP-001-003) which bisects the asset.	Medium	Permanent Moderate Adverse	The construction effect remains and there will be no further impact from the operation of the scheme.	No change	Neutral	Construction of the site haul route and HS2 maintenance access route (AP-001-003) will create a new significant effect by removing part of the asset. This medium impact will change the level of significance of the effects reported in the main ES from neutral to moderate adverse.
FRC087	Field system: narrow ridge and furrow, boundaries and tracks	Non-designated	Low	This asset is located adjacent to the land required for the AP revised scheme. Diversion of BT Openreach overhead telecommunications cables (AP-001-105) along the access road	Minimal	Temporary Negligible Adverse	The construction effect remains and there will be no further impact from operation of the scheme.	No change	Neutral	Works associated with the diversion of BT Openreach overhead telecommunications cables (AP-001-105) will create a new effect on the asset due to the change to the setting. This

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
				to Quintons Orchard will give rise to a temporary impact on the setting of the asset.						minimal impact will change the level of significance of the temporary effects reported in the main ES from neutral to negligible.
FRCo88	Pipehall moated site, north-west of Pipe Ridware	Non-designated	Moderate	This asset is located partially within the land required for the original scheme but adjacent to the land required for the AP revised scheme (AP-001-105). The asset will be partially removed by works associated with the creation of grassland habitat to the south-west of the Woodhouse culvert. The diversion of BT Openreach overhead telecommunications cables (AP-001-105) will give rise to a temporary impact on the setting of the asset.	Medium Minimal	Permanent Moderate Adverse Temporary Negligible Adverse	The construction effect remains and there will be no further impact from operation of the scheme.	No change	Neutral	Works associated with the diversion of BT Openreach overhead telecommunications cables (AP-001-105) will create a new temporary effect on the asset due to the change to the setting. This will result in a different significant effect on the asset overall due to the addition of a setting effect, however this will not change the level of significance of the effect reported in the main ES.

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
FRCog6	Possible field boundaries, west of Kings Bromley	Non-designated	Low	This asset is located within the land required for the AP revised scheme. Buried archaeological remains associated with the asset will be removed by the diversion of South Staffordshire Water 36-inch water main under the River Trent viaduct (AP-001-102) and construction of the River Trent viaduct.	High	Permanent Moderate Adverse	The construction effect remains and there will be no further impact from operation of the scheme.	No change	Neutral	Works associated with the diversion of South Staffordshire Water 36-inch water main under the River Trent viaduct (AP-001-102) will create a new significant effect by substantially removing the asset. This high impact will change the level of significance of the effect reported in the main ES from minor adverse to moderate adverse.
FRCog9	Unoccupied house approximately 90m south of Juxta House	Grade II listed building	Moderate	This asset is located outside of the land required for the AP revised scheme. The significance of the asset lies solely in its historic fabric. The setting of the asset is defined by its location adjacent to the B5014 Uttoxeter Road and the surrounding modern development. The asset does not gain any significance	No change	Neutral	No impact upon significance.	No change	Neutral	No change The asset will not be impacted by the scheme as a result of amendment AP-001-003.

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
				from its setting, therefore the original scheme and the AP revised scheme will not impact upon its significance. There will be no change to the nature of the impact as a result of the amendments.						
FRC100	Juxta House	Grade II listed building	Moderate	This asset is located outside of the land required for the AP revised scheme. The significance of the asset lies solely in its historic fabric. The setting of the asset is defined by its location adjacent to B5014 Uttoxeter Road and the surrounding modern development. The asset does not gain any significance from its setting, therefore the original scheme and the AP revised scheme will not impact upon its significance. There will be no change to the nature of the impact as	No change	Neutral	No impact upon significance.	No change	Neutral	No change The asset will not be impacted by the scheme as a result of amendment AP-001-003.

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
				a result of the amendments.						
FRC101	The Old Rectory and attached walls and gate piers	Grade II* listed building	High	This asset is located outside the land required for the AP revised scheme. The significance of the asset lies in its historic fabric and in its spatial and historic relationship with The Thatch and Rake End House. The setting of the asset is characterised by its proximity to the adjacent B5014 Uttoxeter Road and modern residential development. A rural landscape lies to the west but is screened by existing vegetation. This asset is located over 1km from the AP revised scheme and, as such, is not considered to be within its setting and therefore will not impact upon the significance of the asset. There will be no change to the nature of	No change	Neutral	No impact upon significance.	No change	Neutral	No change The asset will not be impacted by the scheme as a result of amendment AP-001-003.

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
				the impact as a result of the amendments.						
FRC102	The Thatch	Grade II listed building	Moderate	This asset is located outside the land required for the AP revised scheme. The significance of the asset lies in its historic fabric and in its spatial and historic relationship with The Old Rectory and Rake End House. The setting of the asset is characterised by its proximity to the adjacent B5014 Uttoxeter Road and modern residential development. A rural landscape lies to the west but is screened by existing vegetation. This asset is located over 1km from the AP revised scheme and, as such, the AP revised scheme is not considered to be within its setting and therefore will not impact upon the significance of the	No change	Neutral	No impact upon significance.	No change	Neutral	No change The asset will not be impacted by the scheme as a result of amendment AP-001-003.

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
				asset. There will be no change to the nature of the impact as a result of the amendments.						
FRC103	Rake End House	Grade II listed building	Moderate	This asset is located outside the land required for the AP revised scheme. The significance of the asset lies in its historic fabric and in its spatial and historic relationship with The Old Rectory and The Thatch. The setting of the asset is characterised by its proximity to the adjacent B5014 Uttoxeter Road and modern residential development. A rural landscape lies to the west but is screened by existing vegetation. This asset is located over 1km from the AP revised scheme and, as such, the AP revised scheme is not considered to be within its setting and therefore will not	No change	Neutral	No impact upon significance.	No change	Neutral	No change The asset will not be impacted by the scheme as a result of amendment AP-001-003.

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
				impact upon the significance of the asset. There will be no change to the nature of the impact as a result of the amendments.						
FRC104	Nettles Lane, Hollow Way, north of Rake End, Hill Ridware	Non-designated	Low	This asset is located outside the land required for the original scheme and the AP revised scheme and will not be affected.	No change	Neutral	No impact upon significance.	No change	Neutral	No change The asset will not be impacted by the scheme as a result of amendment AP-001-003.
FRC152	Milepost, Eastfields, Hill Ridware	Non-designated	Low	This asset is located outside the land required for the AP revised scheme and will not be affected.	No change	Neutral	No impact upon significance.	No change	Neutral	No change The asset, will not be impacted by the scheme as a result of amendment AP-001-003.
FRC162	Possible cursus, north of Ridware Road, Hill Ridware	Non-designated	Moderate	This asset is located outside the land required for the AP revised scheme and will not be affected.	No change	Neutral	No impact upon significance.	No change	Neutral	No change The asset will not be impacted by the scheme as a result of amendment AP-001-003.

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Unique identifier	Name	Designation (s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
FRC169	Enclosure, south of Eastfields, Mavesyn Ridware	Non-designated	Low	This asset is located outside the land required for the AP revised scheme and will not be affected.	No change	Neutral	No impact upon significance.	No change	Neutral	No change The asset will not be impacted by the scheme as a result of amendment AP-001-003.

3 Colwich to Yarlet

3.1 Corrections to the main ES

3.1.1 Since the submission of the main ES, the need for a number of corrections has been identified. Each correction has been reviewed to establish whether the correction leads to new or different likely significant environmental effects from those reported in the main ES. A factual inaccuracy identified in Volume 5: Appendix CH-003-002 of the main ES, which does not lead to new or different likely significant environmental effect, but which relates to a significant effect identified in the main ES is presented in Table 3.

Table 3: Corrections to the main ES for the Colwich to Yarlet area

Reference in the main ES	Reason for correction	Text in the main ES	Revised text	Change to significant effects
Cultural heritage Table 1, Volume 5: CH-003-002, CA2 of the main ES	The main ES did not report an impact relating to Lions Lodge cropmarks (COY054) from the temporary off-route road modifications. The main ES only reported an effect from the construction of the Trent North embankment.	Table 1, 55 th entry: This asset is located within the land required for the Proposed Scheme. Buried archaeological remains associated with the cropmark remains of a probable Iron Age square barrow and a rectilinear enclosure, land boundaries and pit alignments will be almost entirely removed for the construction of the Trent North embankment. Scale of impact – High Effect – Permanent Major Adverse	Table 1, 55 th entry: This asset is located within the land required for the Proposed Scheme. Buried archaeological remains associated with the cropmark remains of a probable Iron Age square barrow and a rectilinear enclosure, land boundaries and pit alignments will be almost entirely removed for the construction of the Trent North embankment and the widening of the Great Haywood road. Scale of impact – High Effect – Permanent Major Adverse	No change. This correction will not lead to a new or different significant effect.

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Reference in the main ES	Reason for correction	Text in the main ES	Revised text	Change to significant effects
<p>Cultural heritage</p> <p>Table 1, Volume 5: CH-003-002, CA2 of the main ES</p>	<p>The main ES did not report an effect relating to Tixall Gatehouse (COY070) from the temporary off-route road modifications. The main ES only reported an effect from construction of the main scheme.</p>	<p>Table 1, 71st entry:</p> <p>The asset primarily derives its significance from...</p> <p>The route of the Proposed Scheme will be located approximately 880m from the asset and will be screened from view by those coverts and shelter belts. Consequently, there will be no impact upon significance.</p> <p>Scale of impact – No change</p> <p>Effect – Neutral</p>	<p>Table 1, 71st entry:</p> <p>The asset primarily derives its significance from...</p> <p>The route of the Proposed Scheme will be located approximately 880m from the asset and will be screened from view by those coverts and shelter belts. Works associated with the widening of Great Haywood Road to the south will see a temporary change in its setting during construction. The works to widen the road just over 100m from the gatehouse, will introduce noise and visual impacts for up to three months.</p> <p>Scale of impact – Temporary Low Adverse</p> <p>Effect – Temporary Moderate Adverse</p>	<p>No change.</p> <p>This correction will not lead to a new or different significant effect as it was correctly reported in Volume 4 of the main ES.</p>

4 Whitmore Heath to Madeley

4.1 Corrections to the main ES

4.1.1 Since the submission of the main ES, the need for a number of corrections has been identified. Each correction has been reviewed to establish whether the correction leads to new or different likely significant environmental effects from those reported in the main ES. A factual inaccuracy identified in Volume 5: Appendix CH-003-004 of the main ES, which does not lead to new or different likely significant environmental effect, but which relates to a significant effect identified in the main ES is presented in Table 4.

Table 4: Corrections to the main ES for the Whitmore Heath to Madeley area

Reference in the main ES	Reason for correction	Text in the main ES	Revised text	Change to significant effects
Cultural heritage Table 1, Volume 5: CH-003-004, CA4 of the main ES	The setting of a Grade II listed milepost (WHM015) was reported as affected however the physical impact was not reported. In addition, there was an inconsistency in reporting between the Volume 2 (assessed as moderate adverse significant) and Volume 5 (assessed as not significant).	Table 1, 16 th entry: Nature of impact including mitigation - The setting of the milepost will be affected as a result of noise and visual intrusion from construction activities. Scale of impact – No change Effect - Neutral	Table 1, 16 th entry: Nature of impact including mitigation - The milepost will be physically impacted through its temporary removal during construction works. There will also be a temporary effect to its setting as a result of noise and visual intrusion from construction activities. Scale of impact - Medium Adverse Effect - Moderate Adverse Significant	No change. The correction will not lead to a new or different significant effect. The correct level of significant effect is moderate adverse as reported in Volume 2 of the main ES.

5 South Cheshire

5.1 Impact Assessment Table

Table 5: Impact assessment for the South Cheshire area

Unique identifier	Name	Designation(s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
SCH100	Mill Lane	Non-designated	Low	<p>This asset is within the land required for the AP revised scheme. The asset derives its significance from its historical and evidential value and from its setting, which is defined by the rural landscape and its association with nearby farmsteads and settlements. The construction of the original scheme and the AP revised scheme will result in a temporary impact on the significance of the asset through the construction of the new temporary Scottish Power Energy Networks power supply to Blakenhall Northbound Spur embankment satellite</p>	<p>Low</p> <p>Low</p>	<p>Temporary Minor Adverse</p> <p>Permanent Minor Adverse</p>	<p>The construction effect remains and there will be no further impact from operation of the scheme.</p>	<p>No change</p>	<p>Neutral</p>	<p>The new temporary Scottish Power Energy Networks power supply to Blakenhall Northbound Spur embankment satellite compound (AP-005-104) along the northern section of the road will create a new temporary effect. This low impact will change the level of the effects reported in the main ES from negligible adverse to minor adverse.</p>

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Unique identifier	Name	Designation(s)	Value	Construction impact			Operation impact			New or different environmental effect from that reported in the main ES
				Nature of impact including mitigation	Scale of impact	Effect	Nature of impact including mitigation	Scale of impact	Effect	
				<p>compound (AP-005-104) within the road and the introduction of construction noise and movement into its setting. The lane crosses the countryside from a junction with Den Lane towards Blakenhall and Doddington. A very small portion of the asset will be removed by construction of the Den Lane realignment, landscaping, and the Blakenhall Northbound Spur embankment satellite compound. The construction of the original scheme and the AP revised scheme will result in a permanent impact on the significance of the asset through the introduction of a new element of infrastructure into its setting.</p>						

6 References

HS2 Ltd (2017), High Speed Rail (West Midlands-Crewe) Environmental Statement. Available online at: <https://www.gov.uk/government/collections/hs2-phase-2a-environmental-statement>.

HS2 Ltd (2017), High Speed Two (HS2) Phase 2a (West Midlands - Crewe), *Environmental Impact Assessment Scope and Methodology Report*, Volume 5: Appendix CT-001-001. Available online at: https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/627187/E23_EIA_SMR_CT-001-001_WEB.pdf.

HS2 Ltd (2017), High Speed Two (HS2) Phase 2a (West Midlands - Crewe), *Scope and Methodology Report Addendum*, Volume 5: Appendix CT-001-002. Available online at: https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/627188/E24A_CT-001-002_Part_1_WEB.pdf

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