

**Staffordshire County Council
Response to the Phase 2a Additional
Provision
14 May 2018**



Contact Details

First name	Sarah
Surname	Mallen
Address	Wedgwood Building, Block A, Tipping Street, Stafford
Postcode	ST16 2DH
Email	hs2enquiries@staffordshire.gov.uk
Telephone	01785 277252

Introduction

This is a response to the HS2 Phase 2a Additional Provision consultation, closing on 14 May 2018. In general, the Council is satisfied with the amendments proposed in Additional Provision 4 and Supplementary Environmental Statement 3. However, a number of concerns, including significant heritage issues, remain. The Councils will continue to raise these matters with HS2 Ltd. directly and through the relevant planning forum subgroups where appropriate, to ensure that satisfactory solutions are developed.

Non-Technical Summary	
p.20	The correction from this being incorrectly recorded as Footpath No 2 Marston to Footpath No 2 Whitgreave is noted.
p.59	Changes to Stone Rural Footpath No 33, Swynnerton Footpath No 17 and Swynnerton New Bridleway are mentioned in the Community Area Map Book and Area Report.
Volume 1: Introduction and Methodology	
	No comments.
Volume 2: Community Area Report CA1: Fradley to Colton	
3.1.5 - 13	The report considers the physical disruption to the Kings Bromley Walks promoted by the Kings Bromley Horticultural Society. Separately, under Landscape and Visual, the Report should also consider the landscape and visual effects, which are likely impact on the raison d'être for such routes.
3.4	Corrections to visual assessments are noted.
p.9 Table 1	We welcome the amended wording to maintain access between Crawley Lane and Footpath No 0.392(a) Kings Bromley upon completion of the scheme.
p.10 Table 1	Correction in the recording of Footpath No 3 Hamstall Ridware/Footpath No 30 Mavesyn Ridware is noted.
3.2.5	Changes to the routes of the locally promoted Kings Bromley walks are noted. These are locally promoted walks, the majority of which use existing PRow. The County Council has no jurisdiction or control over routes which the Parish promote but we welcome HS2 Ltd.'s action to consider these routes for the benefit of the walking community.
p.33 AP-001-001 Maps CT-05-201 and CT06-201	Additional land required for a temporary laydown area and a change to bill powers at Pyford North Embankment: The additional land required to the east of the railway lies in an area where there are known archaeological remains in the form of circular enclosures representing possible Bronze Age round barrows (HS2 Unique Identifier FRC018). Any proposed works within this area will need to be preceded by an appropriate programme of archaeological assessment and mitigation. This can be incorporated into the scheme of mitigation identified in the original Environmental Statement (Volume 5 - CH-003-001 – page 11).
p. 33 AP-001-002 Maps CT-06-204 AP-001-002 –	Additional land for the permanent relocation of a balancing pond and provision of highway access with new turning head: The additional land required to the east of the railway lies in an area where there are known archaeological remains in the form of linear features, pits and a ring ditch of possible late prehistoric date (FRC084). The construction works for the turning head and parking associated with the balancing pond here will have the potential to impact on these below ground remains and therefore will need to be preceded by an appropriate programme of archaeological assessment and mitigation.

<p>p. 34 AP-001-003 Maps CT-06-204 AP-001-003</p>	<p>Additional land for the permanent provision of a new site haul route and HS2 maintenance access route, and the permanent widening of Common Lane and a section of Pipe Lane: The provision of a new site haul route and the widening of Common Lane and a section of Pipe Line has the potential to impact upon significant below ground archaeological remains. The original Environmental Statement identifies a possible Neolithic mortuary enclosure, ring ditches and pit alignments (FRC075) on the west side of Common Lane, while to the north of pipe line in the area of the proposed haul route the remains of an Iron Age square barrow and field systems (FRC083). The cultural heritage impact assessment table (Volume 5 - CH-003-001 – pages 29 and 33) identify neutral impact on both these heritage assets, both having originally lying outside the area required for the proposed scheme. The additional provisions demonstrate that these two heritage assets will now be impacted and therefore any proposed construction works here will need to be preceded by an appropriate programme of archaeological assessment and mitigation.</p>
<p>p. 34 AP-001-005 Maps CT-06-208 AP-001-005</p>	<p>Additional land for the permanent reinstatement of existing hedgerow and relocation of proposed hedgerow habitat creation, included in the original scheme, to improve visibility at the junction of Moor Lane and the B5013 Uttoxeter Road and the junction of Lount Lane with the B5013 Uttoxeter Road: The original Environmental Statement identified potential for a low, permanent minor adverse impact on the remains of a post-medieval water meadow system (FRC126) associated with works to the B5013 Uttoxeter Road. The additional provision increases the area of water meadow which potentially be impacted, however the scale of impact and effect are considered to remain the same. The extended area of water meadow will need to be incorporated into the overall mitigation identified in the original Environmental Statement (Volume 5 - CH-003-001 – page 49).</p>
<p>p.36 AP-001-101, AP-001-102, AP-001-103 and AP-001-104 Map CT-06-203 AP-001-101, AP-001-102, AP-001-103 and AP-001-104</p>	<p>Additional land permanently required for water mains and telecommunications around the River Trent viaduct, Rugeley Road and Echills Farm: The original Environmental Statement identifies extensive and significant archaeological remains across this area including the remains of a multi-period agricultural landscape (FRC034), pit alignment (FRC038), enclosure (FRC039), Bronze Age Barrow Cemetery (FRC040) and former field systems (FRC041 and FRC096). The scale of impact and effect on these heritage assets (identified as medium or high and permanent major adverse) is considered to remain and it is key that the area of additional land required here be included in the mitigation identified as a requirement in the cultural heritage impact assessment table (Volume 5 - CH-003-001 – pages 15-17 and 36-37).</p>
<p>P.36 AP-001-105</p>	<p>Additional land permanently required for telecommunications diversion at Quinton's Orchard Farm:</p>

<p>Map CT-06-205 AP-001-105</p>	<p>The additional land required at Quinton's Orchard Farm lies within the extent of 'Pipehalle' medieval moat (FRC088) and an area of identified ridge and furrow remains. The Environmental Statement (Volume 5 – CH-003-001) identifies that, although immediately outside the area required for the proposed scheme, the moated site could be impacted by works associated with proposed creation of woodland and grassland habitat. The diversions of telecommunications cables also have the potential to impact upon below ground archaeological remains in this area and both the habitat creation and cable diversions should be subject to further archaeological assessment and mitigation as appropriate.</p>
<p>p.37 AP-001-107 Map CT-06-208 AP-001-107</p>	<p>Additional land for the permanent diversion of three utilities, 1.1km in length, to follow the B5013 Uttoxeter Road realignment: The original Environmental Statement identified potential for a low, permanent minor adverse impact on the remains of a post-medieval water meadow system (FRC126) associated with works to the B5013 Uttoxeter Road. The additional provision increases the area of water meadow which potentially be impacted, however the scale of impact and effect are considered to remain the same. The extended area of water meadow will need to be incorporated into the overall mitigation identified in the original Environmental Statement (Volume 5 - CH-003-001 – page 49). In addition to this the Moreton Brook is known to have been a focus for Bronze Age activity represented by a series of burnt mounds, with at least four recorded circa 500m further north along the brook at Lount Farm (see FRC133). It is considered possible that within the area of additional land required previously unrecorded evidence for Bronze Age activity may survive and this should be taken into account in the development of any assessment and mitigation strategy for this area.</p>
<p>p.42 Section 5.2 AP-001-002</p>	<p>Additional land permanently required for the relocation of a balancing pond and provision of highway access with turning head from Pipe Lane, Pipe Ridware: No mentioned is made here of the potential impact for the additional provisions to impact on below ground archaeological remains associated with possible late prehistoric or Roman activity in the form of a series of pits, linear features and a ring ditch (FRC084). The cultural heritage impact assessment for the original Environment Statement identifies that the ecological mitigation works and the construction of the Pipe Ridware embankment will impact upon this heritage asset (Volume 5 - CH-003-001 – page 33) however no mitigation is referred to despite the medium scale of impact and the permanent moderate adverse effects. Although it is agreed that no re-assessment is required in terms of the overall scale of impact and effect it is highlighted that both the original mitigation works and those referred to in the additional provisions should be subject to an appropriate level of archaeological assessment and mitigation in advance of the proposed works.</p>
<p>p.53</p>	<p>Additional land permanently required for a new site haul route and</p>

<p>5.3.66 AP-001-003</p>	<p>HS2 maintenance access route from Pipe Lane and modifications to existing highways: In the additional provisions assessment of cultural heritage the cropmark remains of an Iron Age square barrow and field system (FRC083) and of a mortuary enclosure, ring ditches and pit alignments (FRC075) are identified as 'non-designated heritage assets of low value'. The cultural heritage impact assessment table in the original Environmental Statement identify both of these heritage assets to be of 'moderate' not 'low' value (Volume 5 - CH-003-001 – pages 29 and 33) and the additional provisions assessment should at least reflect this (indeed it could be argued that given the rarity of such monument types across the country, and particularly within a Staffordshire context that they perhaps should be considered of high value). Sections 5.3.71 and 5.3.72 do refer to both assets as being of moderate value demonstrating inconsistency in the assessment.</p>
<p>p.53 5.3.69 AP-001-003</p>	<p>Additional land permanently required for a new site haul route and HS2 maintenance access route from Pipe Lane and modifications to existing highways: In terms of mitigation, both the mortuary enclosure (FRC075) and the Iron Age square barrow (FRC083) are identified in the original Environmental Statement as lying outside the area of land required for the proposed scheme and therefore not affected by it. With the additional land required this is no longer the case therefore provision for an appropriate level of mitigation in respect of these to heritage assets should be made.</p>
<p>p.83 Section 6.7.3 AP-001-107</p>	<p>Additional land for the permanent diversion of three utilities, 1.1km in length, to follow the B5013 Uttoxeter Road realignment: This section states that a re-assessment of the environmental effects of mitigation set out in the original Environmental Statement is not required in respect of AP-001-107. Although no heritage assets are identified within the additional area of land required for permanent diversion of these utilities, the conclusion that further assessment is not required does not take into account the potential for previously unrecorded archaeological remains to survive in this area. Moreton Brook is a known focus for Bronze Age activity, represented by a series of burnt mounds which have been identified and investigated along its course. At least four of these burnt mounds are recorded just circa 500m further north along the brook at Lount Farm (see FRC133). It is considered possible that, given the proximity of the additional land required under this provision to Moreton Brook, previously unrecorded evidence for Bronze Age activity may survive in this area and this should be taken into account in the development of any assessment and mitigation strategy for this area.</p>
<p>Volume 2: Map Book CA1: Fradley to Colton</p>	
<p>CT-06-204</p>	<p>Concerns remain regarding landscape impact on the historic landscape around Pipe Ridware due to highway modifications along Common Lane and Pipe Lane. New site haul road is</p>

	welcomed to potentially relieve some of the potential effects, but this needs to be designed and implemented sensitively close to Church Farm.
AP-001-001/2/3	A number of positive changes are noted on lengths of the B5014 Uttoxeter Road and additional land for visibility splays at various junctions. There is a slight adverse effect on non-motorised users on Common Lane which should be given consideration.
CT-05-203 (Construction) and CT-06-203 (Proposed)	Additional land will be taken for the permanent diversion of South Staffs Water 33 inch water main under River Trent viaduct. This could impact on Public Footpath No 3 Kings Bromley and clarification is therefore sought on the mitigation measures to reduce impact on the route both during construction and on completion of the scheme.
CT-05-204 (Construction) and CT-06-204 (Proposed)	AP-001-002 - Additional land will be taken for the relocation of a balancing pond. During the construction phase this appears to impact on the proposed temporary diversion of Footpath No 32 Mavesyn Ridware. HS2 Ltd. needs to confirm that the temporary route will not be affected. AP-001-003 – Additional land is required for a new site haul road. Footpath No 28 Mavesyn Ridware is shown within this parcel of land but it is not clear whether or not this will be directly affected and clarification is therefore sought.
CT-05-204- L1(Construction) and CT-06-204- L1 (Proposed)	Additional land required for a haul road so the standard advice provide by the authority in the Environmental Statement regarding construction traffic and PRow users applies.
CT-05-205- L1(Construction) and CT-06-205- L1 (Proposed)	AP-001-105 - Additional land will be taken for the relocation of BT overhead cables. Footpath No 38 Mavesyn Ridware is shown within this parcel of land but it is not clear whether or not this will be directly affected and clarification is therefore sought.
CT-05-206- L1(Construction) and CT-06-206- L1 (Proposed)	Additional land required for a haul road so the standard advice provide by the authority in the Environmental Statement regarding construction traffic and PRow users applies.
	Volume 2: Community Area Report CA2: Colwich to Yarlet
Table 2 8.4.62	Revised text records net loss in hedgerows of approximately 6.1km (as opposed to the 2.1km previously recorded, which in 8.4.82 is noted as significant at a district level. See comment below under SES and AP Volume 5 Ecology
6.1.1-3	Permanent diversion of BT Openreach telecom overhead cables, along Moreton Lane. Does not specifically refer to removal of hedges and trees, but 'may include removal of surface material including vegetation. In addition excavation may impact on mature trees. Trenching needs to fully consider and avoid impacts on Root Protection Areas
p.6 Table 2	The temporary diversion of Public Footpath No 2 Whitgreave is extensive being 3 years and 9 months in length. It's disappointing that the length of the diversion and the timescale during which

	walkers have to use it is not less. Also, there do not appear to be any mitigation measures put forward in the Area Report to alleviate concerns raised in the ES about walkers having to use the A34 to maintain a link to Yarlet Lane.
p.6 Table 2	The change to acknowledge that 10 PRoW, rather than 9, will be affected either temporarily or permanently in this area of the scheme is noted.
p.7 Table 2	The Area Report mentions that Bridleway No 8 Marston will be subject temporary adverse significant effect on path users due to increased distances. This temporary diversion is not shown within the Map Book so it is not possible to comment on it.
p.9 2.3.1 Table 2	The revised text to main environmental statement referring to mitigation at Lount Farm seems to suggest an increase in the area for lowland meadow to be created from 5.4 ha (2.7 ha to the west of Moreton Brook and 2.7 ha to the east) to 8.7 ha (7.4 ha to the west and 1.4 ha to the east). Creation of an increased area of lowland meadow habitat here may have potential historic environment implications, depending on the methodology used for its establishment. Moreton Brook is a known focus for Bronze Age activity, represented by a series of burnt mounds along its course, with at least four recorded in the immediate vicinity of Lount Farm (see FRC133). Also recorded along the brook is a possible medieval glass working site (FRC134) and an area of post-medieval water meadow (FRC132). It is considered possible that the establishment of lowland meadow over a wider area here may have the potential to impact on these remains and this should be considered when defining a suitable methodology for habitat creation. Where impacts on any of the above identified heritage assets is deemed to be unavoidable an appropriate programme of archaeological assessment and mitigation should be secured. This should take account of the potential for previously unrecorded evidence for Bronze Age activity to be encountered.
p.19 AP-002-002 Map CT-05-213	The additional land required here lies within Ingestre Conservation Area (HS2 Unique Identifier COY049) and Ingestre Hall Park (COY144).
P.20 AP-002-004 Map CT-06-218	The additional land required lies within an area identified in the original Environmental Statement as Marston deserted medieval village (COY130). Any ground works required as part of this amendment will have the potential to impact on surviving above and/or below ground remains and should be considered as part of any wider mitigation for Marston deserted medieval settlement.
Noise General	Utility work required to divert low pressure gas main along Yarlet School access road has resulted in a new construction significant noise effect for approximately one month. Daytime noise levels would be up to 11 dB higher. The authority requests that noise levels are mitigated through screening and adherence to the Code of Construction Practice.
	Volume 2: Map Book CA2: Colwich to Yarlet
CT-05-210:	Changes due to permanent diversion of BT Openreach telecom

	overhead cables, e.g. along Moreton Lane. Assessment and retention of copses, hedges and hedgerow trees needs to be assured therefore potential impacts are not fully assessed. Proposed scheme does not indicate mitigation planting.
AP-002-001/2/3	Positive changes with regard to additional land provision for visibility splays/ turning heads and laydown areas. Also additional land for A518 Weston Rd realignment. No other significant changes to traffic impact or highway design.
CT-06-210	AP-002-101 - Additional land will be taken for the relocation of BT overhead cables. Bridleway No 23 Colwich is shown within this parcel of land but it is not clear whether or not this will be directly affected and clarification is therefore sought.
CT-05-211- (Construction) and CT-06-211 (Proposed)	AP-002-101 - Additional land will be taken for the relocation of BT overhead cables. Bridleway No 35 Colwich is shown within this parcel of land but it is not clear whether or not these will be directly affected and clarification is therefore sought. AP-002-001 - Additional land will be taken for the amendment to a fuel pipeline diversion. Public Footpath No 56 Colwich is shown within this parcel of land but it is not clear whether or not it will be directly affected and clarification is therefore sought.
CT-05-215- (Construction) and CT-06-215 (Proposed)	AP-002-003 – The proposed permanent realignment of the A518 will require an additional parcel of land to be taken. Within this land is Public Footpath No 23 Hopton and Coton and the impact on this route needs to be clarified.
	Volume 2: Community Area Report CA3: Stone and Swynnerton
	Regarding the horizontal realignment proposed near Yarnfield, it is generally agreed with the conclusion of the Community Area Report CA3, that this is unlikely to change anything significantly from what has been previously assessed.
5.1.29	The shortening of the Public Footpath No 17 Swynnerton diversion is welcomed.
5.1.129 onwards	Landscape and visual effects of changes to horizontal and vertical alignment associated with the Norton Bridge to Stone railway crossing are noted.
6.3.5	What biodiversity and landscape mitigation will be provided for the loss of hedgerow and mature trees referred to in this clause?
8.4.80	‘On a precautionary basis, it is assumed that there is a net loss in hedgerow of approximately 18.2km, which will result in a permanent adverse residual effect that is significant at the district/borough level. However, restoration of land required only for the construction of the Proposed Scheme to its current use, offers potential for reinstatement of a further 19.6km of existing hedgerow.’
p.6 Table 2	HS2 Ltd. has recognised that the information in the Environmental Statement in relation to Public Footpath No 33 Stone Rural was incorrect and they have taken steps to amend it which is noted.
General	There are proposed vertical and horizontal alignment changes in the area of Meaford Cutting and Meaford Viaduct. This will result

	<p>in some changes to the PRow network, most of which were included in the Environmental Statement albeit with some variations. Of particular concern remains the diversion of Public Footpath No 33 Stone Rural. At 860 metres in length it remains disappointing that a shorter, more convenient alternative could not be established.</p>
<p>p.16 Part 2 of AP-003-001 Map CT-06-222</p>	<p>The proposed amendment includes culverting a section of the Filly Brook. The original Environmental Statement cultural heritage baseline report for CA3 identifies that significant Holocene alluvium deposits and peat deposits are associated with the brook and that there is potential for palaeoenvironmental remains to be encountered throughout the Darlaston Stream and Filly Brook Archaeological Sub Zone (Volume 5 - CH-001-003 – pages 4 and 33). The proposed culverting of the Filly Brook, as well as embankment construction, landscape, flood and ecological mitigation all have the potential to impact on these significant deposits and the palaeoenvironmental evidence which they may contain. It is therefore recommended that an appropriate programme of archaeological assessment and mitigation be undertaken in association with the work proposed under this amendment.</p>
<p>p.16 AP-003-002 Map CT-06-222,</p>	<p>The original Environmental Statement cultural heritage baseline report identifies this area to lie on the margins of terrestrialised former wetland, with later prehistoric finds recovered from this area suggested to indicate the location of possible Neolithic or Bronze Age settlement activity on the edge of the former wetland (Volume 5 – CH-001-003 – page 37). It is considered possible that works associated with the provision of flood mitigation here may have the potential to reveal evidence of previously unrecorded later prehistoric activity and it is suggested that a programme of further archaeological assessment and mitigation be undertaken in association with the work proposed under this amendment.</p>
<p>p. 17 AP-003-005 Map CT-06-227</p>	<p>The additional land required lies within the extent of a probable 20th century bunker complex (HS2 Unique Identifier ST053). Any archaeological mitigation proposed for this area should take account of any additional impacts which may arise as a result of the increased areas of earthworks, and mitigation planting.</p>
<p>p.17 AP-003-006 Map CT-06-228a</p>	<p>The additional land required lies within an area of former field boundaries of post-medieval date (ST062). Any archaeological mitigation for these field boundaries should take account of any potential impacts which may arise as a result of the inclusion of additional areas of land under this provision.</p>
<p>p.19 AP-003-105 Map CT-05-222</p>	<p>The proposed amendment includes impact on additional land alongside the Filly Brook. The original Environmental Statement cultural heritage baseline report for CA3 identifies that significant Holocene alluvium deposits and peat deposits are associated with the brook and that there is potential for palaeoenvironmental remains to be encountered throughout the Darlaston Stream and Filly Brook Archaeological Sub Zone (Volume 5 - CH-001-003 –</p>

	<p>pages 4 and 33). The proposed removal of the underground telecommunications cable will result in ground disturbance which may impact on these significant deposits and the palaeoenvironmental evidence which they may contain. It is therefore recommended that this impact is considered in the development of a mitigation programme for the wider Fillybrook area as suggested under <i>Part 2 of AP-003-001</i> above.</p>
<p>p.20 AP-003-106 Maps CT-06-223, CT-06-224 & CT-05-224_R1,</p>	<p>The original Environmental Statement cultural heritage baseline report identifies this area to lie on the margins of terrestrialised former wetland, with later prehistoric finds recovered from this area suggested to indicate the location of possible Neolithic or Bronze Age settlement activity on the edge of the former wetland (Volume 5 – CH-001-003 – page 37). It is considered possible that works associated with the Removal of 4.6km section of utility between Yarnfield Lane and the A51 Bury Bank have the potential to reveal evidence of previously unrecorded later prehistoric activity in this area. It is therefore recommended that this impact is considered in the development of a mitigation programme for the wider area as suggested under <i>AP-003-002</i> above.</p>
<p>p. 20 AP-003-111 Map CT-06-225,</p>	<p>The additional land required for vertical realignment of utilities is less than 100m from the Grade II Listed Swynnerton Water Tower (ST047). Any additional temporary or permanent effects as a result of the proposed additional provisions should be taken into account when assessing the scale of impact on the setting of this heritage asset.</p>
<p>p. 21 AP-003-113 and 114 Map CT-06-228a</p>	<p>The additional land required lies within an area of former field boundaries of post-medieval date (ST062). Any archaeological mitigation for these field boundaries should take account of any potential impacts which may arise as a result of the inclusion of additional areas of land under these provisions.</p>
<p>Pages 29-62 Section 5.1 Part 2 of AP-003-001</p>	<p>This amendment involves the re-alignment and culverting of the Filly Brook underneath the Filly Brook West underbridge and the Filly Brook viaduct via an open channel watercourse diversion (to re-join the existing watercourse on the north side of the route). As mentioned above the original Environmental Statement cultural heritage baseline report for CA3 identifies that significant Holocene alluvium deposits and peat deposits are associated with the brook and that there is potential for palaeoenvironmental remains to be encountered throughout the Darlaston Stream and Filly Brook Archaeological Sub Zone (Volume 5 - CH-001-003 – pages 4 and 33).</p> <p>The proposed works to Filly Brook, as well as embankment construction, landscape, flood and ecological mitigation all have the potential to impact on these significant deposits and the palaeoenvironmental evidence which they may contain. It is therefore disappointing to note that cultural heritage was not considered as one of the topics in the additional provisions assessment and it is suggested that an appropriate programme of archaeological assessment and mitigation be undertaken in</p>

	association with this additional provision.
5.2 AP-003-002	<p>This amendment comprises flood mitigation works, including the creation of new culverts and bunds. The original Environmental Statement cultural heritage baseline report identifies this area to lie on the margins of terrestrialised former wetland, with tater prehistoric finds recovered from this area suggested to indicate the location of possible Neolithic or Bronze Age settlement activity on the edge of the former wetland (Volume 5 – CH-001-003 – page 37).</p> <p>It is considered possible that works associated with the provision of flood mitigation here may have the potential to reveal evidence of previously unrecorded later prehistoric activity. It is therefore disappointing to note that cultural heritage was not considered as one of the topics in the additional provisions assessment and it is suggested that an appropriate programme of archaeological assessment and mitigation be undertaken in association with this additional provision.</p>
p. 20 AP-003-111 Map CT-06-225,	The additional land required for vertical realignment of utilities is less than 100m from the Grade II Listed Swynnerton Water Tower (ST047). Any additional temporary or permanent effects as a result of the proposed additional provisions should be taken into account when assessing the scale of impact on the setting of this heritage asset.
Noise general	Two properties, Honeysuckle Cottage and Shelton under Harley Farm eligible for noise insulation due to construction works including demolition and also utility works for diversion of two water mains along Swynnerton Footpath 10. The authority requests that noise insulation is provided to the two affected properties to mitigated construction noise.
	Volume 2: Map Book CA3: Stone and Swynnerton
CT-05-223-L1	AP-003-106 removal of plant along BW39 –works need to ensure that tree and hedge retention is secured to minimise landscape and visual impact of the route, as this vegetation will help to filter views towards the route from Yarnfield.
CT-06-224, 226	Concerns are raised regarding permanent diversion of overhead BT services. These need to avoid existing mature trees.
AP-003-003/4/5/6	Positive changes with regard to additional land provision for the new A51 Bury Bank junction, verge widening and visibility imp's Tittensor Rd/A51 Stone Rd.
AP-003-006	Main significant highway design change is for additional land for the provision of a new four-armed roundabout in place of the previous four-arm staggered junction of Dog Lane/Bent Lane/A51 The Rowe. Any junction improvements would need to be discussed with the authority in terms of safety and capacity.
CT-05-221- (Construction) and CT-06-221 (Proposed)	Due to changes in the Bill additional land is required in this area. There does not appear to be any direct impact on either Footpath No 32 Stone Rural nor Bridleway No 0.1135 Stone Rural, both of which follow the routes identified in the Environmental Statement.
CT-05-223	Concerns about the length of diversion of Public Footpath No 33

(Construction) and CT-06-223 (Proposed)	Stone Rural remain as outlined at the Environmental Statement stage and in Area Report comments (above).
CT-05-223-L1 (Construction) and CT-06-223-L1 (Proposed)	AP-003-106 proposes the removal of an underground telecommunications cable which appears to run along Public Bridleway No 39 Swynnerton. The County Council will need to know what measures will be put in place if the bridleway is to be affected by these works. On completion of the scheme an area of planting is located alongside the bridleway. HS2 Ltd. need to make subsequent landowners aware that the maintenance of the landscaped area is the landowner's responsibility to ensure the bridleway does not become affected.
CT-05-224- (Construction) and CT-06-224 (Proposed)	Due to changes in the Bill additional land is required in this area for the viaduct crossing of the Norton Bridge to Stone Railway. There does not appear to be any significant changes although the Proposed scheme plan does show the diversion of Footpath No 17 crossing a watercourse when it seems it may be better to link to Footpath No 27 Swynnerton a few metres to the south. This needs to be clarified.
CT-05-224-R1 (Construction) and CT-06-224-R1 (Proposed)	Byway Open to All Traffic No 34 is affected and Staffordshire Highways will need to respond to these changes.
CT-05-225- (Construction) and CT-06-226 (Proposed)	Due to changes in the Bill additional land is required in this area for the viaduct crossing of the Norton Bridge to Stone Railway. There does not appear to be any significant changes to the proposed new bridleway which is a welcome addition in this area although the Proposed scheme plan does show the diversion of Footpath No 17 crossing a watercourse when it seems it may be better to link to Footpath No 27 Swynnerton a few metres to the south. This needs to be clarified.
CT-05-228a- (Construction) and CT-06-228a (Proposed)	Additional land is required in this area for a variety of reasons and this has the potential to impact on Public Footpath No 10 Swynnerton. It is not clear from the plans whether the additional land required and other associated works will impact on the route and this needs to be clarified in due course.
	Volume 2: Community Area Report CA4: Whitmore Heath to Madeley
8.4.63	'On a precautionary basis, it is assumed that there is a net loss in hedgerow of approximately 6.7km, which will result in a permanent adverse residual effect that is significant at the district/borough level. However, restoration of land required only for the construction of the Proposed Scheme to its current use, offers potential for reinstatement of a further 10.1km of existing hedgerow.'
General	The authority is disappointed that issues raised during the Environmental Statement consultation do not appear to have been addressed, namely the length of some of the temporary diversions and clarification over those routes – Footpath No 4 and 6 Whitmore and, in particular, Bridleway No 1 and No 2 Madeley

	both of which propose diversions onto routes used by vehicular traffic.
	Volume 2: Community Area Report CA5: South Cheshire
	No comments.
	Volume 2: Map Book CA5: South Cheshire
	No comments.
	Volume 3: Route Wide Effects
7.2.2	It is noted that it is not considered that the SES changes will result in any new or different likely significant environmental effects during construction, on a route-wide basis, associated with the off-site disposal to landfill of solid waste.
14.2.2	It is noted that this confirms that it is expected that the AP amendments will lead to the generation of negligible quantities of additional construction waste.
Table 3, Section 16	This provides an estimated figure for the excavated material that will be generated from the construction of the Phase 2a AP revised scheme (including waste generated as a result of SES changes and AP amendments) which is 3 million cubic metres less than the figure given in the original Environmental Statement. This justifies the statements made under paragraphs 7.2.2 and 14.2.2 but clarification is requested as to whether the changes affect the amount of material required from the proposed borrow pits or the quantities requiring disposal in the borrow pits for this phase of the scheme.
Table 3	The authority notes that the requirements for concrete on Phase 2a remain the same (2.1Mt) but no information has been provided on the sources for concrete. The authority queries whether it is anticipated that most of the concrete will be transported to the construction area from sites beyond the project area or procured locally.
	Volume 5: Air Quality Report
	No comments.
	Volume 5: Community Impact Assessment
	The consideration on the locally promoted Kings Bromley walks is welcomed and comments on the impact on individual PRoW that make up these routes, both during and post-construction, were submitted in response to the Environmental Statement.
	Volume 5: Corrections to Volume 5 of the July 2017 Environmental Statement
	No comments.
	Volume 5: Cultural Heritage Impact Assessment Tables
1.1.3	It is disappointing that no impact assessment has been produced

	<p>for CA3 - Stone and Swynnerton.</p> <p>As noted in comments on the Stone and Swynnerton Community Area Report above it is considered that additional provisions in the vicinity of Filly Brook (specifically under <i>Part 2 of AP-003-001</i> and <i>AP-003-002</i>, but also <i>AP-003-105</i> and <i>AP-003-106</i>) could have potential impacts on the Holocene alluvium and peat deposits and associated palaeoenvironmental remains identified in the cultural heritage baseline report of the original Environmental Statement (Volume 5 - CH-001-003 – pages 4 and 33).</p> <p>In order to fully understand the potential scale of impact and effect of these additional provisions on such remains it is considered that further archaeological assessment be undertaken, the results of which should inform requirements for any associated mitigation.</p>
	<p>Volume 5: Flood Risk Assessment</p>
	<p>There is a general concern that the authority may have been able to provide additional information that might have assisted with the modelling. For example, the authority holds records of a previous flooding incident in the area of White Moor Farm. The modelling also relies on a number of assumptions. There was no survey of the existing open channel and the size of some structures has been assumed, which could have a significant effect on the extent of actual flooding.</p> <p>In particular, there are concerns that properties at White Moor Farm, Woodlands Close, St. Vincent Road, Woodlands Avenue, Brookside Lane, Grove Road and The Fillybrooks might be adversely affected by the proposed works. Adverse effects appear to be indicated by the submitted modelling, but are described as negligible. (G36-Hydraulic Modelling p25). More evidence and reassurance are required that this will not be the case. If necessary, a fourth flood storage area and control, or other measures, may be needed to protect downstream property.</p> <p>As Lead Local Flood Authority, permission will be needed from the authority for much of this work, as it relates to Ordinary Watercourse. To expedite such permission, firmer assurance is requested that flooding to local properties would not be worsened as a result of the works. An explanation of how local properties will be fully protected from adverse effects would be welcomed.</p>
	<p>Volume 5: Landscape and Visual Impact Assessment</p>
	No comments.
	<p>Volume 5: Planning Data</p>
	No comments.
	<p>Volume 5:</p>

	Register of Local Level Ecological Effects
Table 1 Summary Table	Notes in CA 1 that an additional 2.8 km of 'important hedgerows' according to the Wildlife and Landscape criteria will be lost. Although the assessment states that these were previously categorised as species rich, therefore there is no change in significance of effect, important hedges have historic, cultural and landscape significance, and may include mature / veteran hedgerow trees. Additional mitigation is therefore warranted and should be incorporated into the proposed scheme.
	Volume 5: Sound, Noise and Vibration Report
	No comments.
	Volume 5: Summary of Changes to Ecology Baseline Data
	No comments.
	Volume 5: Transport Assessment Addendum
Fradley - Colton (CA1)	It is noted that there are 160 more HGV movements per day through Stockwell Heath. Roads in this area are unsuitable for HGV traffic and more use should be made of haul routes, as per the authority's original comments on the ES.
	The authority would like to see an up to date construction routes plan.
	The authority requires further details of construction traffic on the roads in this area
	Hollow Lane has a marked increase in cars between High Street (Colton) and Blithbury Road. The authority requires further information to understand why this is.
Colwich – Yarlet (CA2)	There is an increase in the 'busy' time for Sandon Road sites. This is unacceptable, in line with previous comments on the ES and in the Petition regarding the use of Beaconside as a construction route.
Stone – Swynnerton (CA3)	There is an increase in HGV movements to Stone Railhead. In line with the authority's previous comments on the ES and in the Petition, all these trips must access via the new M6 slips.
	Paragraph 4.5.7 details a large increase of cars and HGVs through Stone. The authority requests a detailed breakdown of these trips to better understand the likely impact. Notwithstanding this, the authority would prefer use of the haul routes or use of the M6 Services to avoid impacting on the A34, as stated previously in comments on the ES.
3.1.2	The alteration to include the temporary diversion of Public Footpath No 2 Whitgreave is noted.
3.6.5	There is no mention of the temporary diversions for Public Footpath No 26 Colwich and No 0.1630 Tixall being lengthened in the Community Area Reports. The authority queries the reason for this.
4.7.6	Byway Open to All Traffic No 34 Stone Rural is due to have its surface upgraded from an unsurfaced route to provide

	<p>maintenance access. Byways Open to All Traffic are the responsibility of the County Highways team but HS2 Ltd needs to ensure that the surface is designed in such a way that it follows British Horse Society guidelines (outlined in the comments submitted on the ES) so that the route can still be used safely by horse riders.</p>
	<p>Volume 5: Water Framework Directive Compliance Assessment Addendum</p>
	No comments.
	<p>Volume 5: Wider Effects Report</p>
2.1.4	<p>CA3 Stone to Swynnerton reports a horizontal realignment that increases adverse effect on Swynnerton Park SS hills and Heaths LCA, properties and rights of way users with no scope for mitigation. It is noted that there is scope to move the alignment further within the deviation limits and this would increase the significant landscape and visual effects so that they wouldn't reduce to moderate over time. The authority requests that further deviation is avoided as far as reasonably practicable.</p>
	<p>Volume 5: Map Book</p>
	No comments.