

## A417 Missing Link TR010056

6.7 Environmental Statement - Updates and Errata

Planning Act 2008

APFP Regulation 5(2)(a)
Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009

Volume 6

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# Infrastructure Planning Planning Act 2008

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

## **A417 Missing Link**

## Development Consent Order 202[x]

#### **Environmental Statement - Updates and Errata**

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#### 1 Introduction

#### 1.1 Purpose of this document

- 1.1.1 This document (Document Reference 6.7) has been prepared to detail updates to and errata in the Environmental Statement (ES) (Document Reference 6.2, APP-032 to APP-049) for the A417 Missing Link (hereafter referred to as 'the scheme'), which was submitted as part of the Development Consent Order (DCO) application in June 2021.
- 1.1.2 It is intended that during the Examination, further points of clarification or amendments which arise through (but not limited to) the Written Questions, Written Representations and the Issue Specific Hearings would be added to this document which would remain live throughout. It will be submitted, where appropriate, at each of the prescribed Deadlines as set out by the Planning Inspectorate.
- 1.1.3 A strikethrough has been used for text which is now removed from the appropriate chapter and section of ES chapters, whilst text in red is new and altered text.

### 2 Environmental Statement Updates

2.1.1 Table 2-1 Environmental statement chapter updates has been produced to detail any amendments, including updates, to the ES (Document Reference 6.2, APP-032 to APP-049) which have been identified through the Examination and provides updates and amendments as appropriate.

 Table 2-1
 Environmental statement chapter updates

Document reference	Reason for amendment to the ES	Amendment to the ES
Volume 6.2 Environmental Statement Chapter 1 Introduction (APP-032)	Paragraph 1.3.16 of National Planning Policy Framework to be updated in line with the revised National Planning Policy Framework published in July 2021.	Paragraph 1.3.16 of ES Chapter 1 - Introduction is amended to:  "In addition, the NPPF originally published in March 2012 and most recently updated in June 2019 July 2021, sets out the government's planning policies for England and provides a framework within which locally prepared plans can be produced. The NPPF is 'an important and relevant' matter to be considered in decision making for NSIPs. The NPPF is supplemented by the Planning Practice Guidance (PPG) web-based resource launched in February 2014. The PPG is updated by the Ministry of Housing, Communities and Local Government as necessary."
Volume 6.2 Environmental Statement Chapter 14 Climate (APP- 045)	Paragraph 14.3.3 to be updated for the sixth carbon budget.	Paragraph 14.3.3 of ES Chapter14 is amended to:  The Climate Change Act 2008 requires that five-yearly carbon budgets are set and not exceeded to ensure that regular progress is made towards the target. The first three carbon budgets were set in 2009, with the fourth and fifth following in 2011 and 2016 respectively, as outlined in Table 14-1. The UK Government agreed with the recommendation from the Climate Change Committee on the sixth carbon budget on Tuesday 20 April 2021. The stated intention is that this new target will be enshrined in UK law by the end of June 2021. The sixth carbon budget was legislated for in June 2021.
Volume 6.2 Environmental Statement Chapter 14 Climate (APP- 045)	Paragraph 14.3.4 to be updated for the Carbon Budget Order 2021.	Paragraph 14.3.4 of ES Chapter14 is amended to:  The third, fourth and fifth carbon budgets, as set out in the Carbon Budgets Order 2009, the Carbon Budget Order 2011 and the Carbon Budget Order 2016, are based on an 80% reduction as legislated by the Climate Change Act 2008. The recommended sixth carbon budget as set out in the Carbon Budget Order 2021, is based on the target for 100% reduction in emissions by 2050, it requires a 78% reduction in GHG emissions between 1990 and 2035. GHG emissions from the scheme are reported against the latest legislated carbon budgets, in line with the requirements of DMRB LA 114 and the NPSNN (Paragraph 5.17).

Document reference	Reason for amendment to the ES	Amendment to the ES					
Environmental Statement (Document Reference 6.2, APP- 045) to include the sixth carbon budget (2033 - 2037) and to show the reduction below 1990 levels.	Table 14-1 of ES Chapter 14 Climate (Document Reference 6.2, APP- 045) is amended to include the 6th carbon budget.  Table 14-1 UK third, fourth, and fifth and sixth carbon budgets (as legislated by the Climate Change Act 2008 and set out in the Carbon Budget Order 2009, the Carbon Budget Order 2011, and the Carbon Budget Order 2016 and the Carbon Budget Order 2021)						
	Carbon budget	Carbon budget level Million tonnes of carbon dioxide equivalents (MtCO₂e)	Reduction below 1990 levels				
	Carbon Budget Order 2016)	Third carbon budget (2018 - 2022)	2,544 MtCO₂e	37% by 2023			
		Fourth carbon budget (2023 - 2027)	1,950 MtCO₂e	51% by 2025			
		Fifth carbon budget (2028 - 2032)	1,725 MtCO₂e	57% by 2030			
		Sixth carbon budget (2033 - 2037)	965 MtCO₂e	78% by 2035			

Document reference	Reason for amendment to the ES	Amendment to the ES
Volume 6.2 Environmental	Decarbonising transport: a better, greener Britain	14.3 Legislative and policy framework
Statement Chapter 14	On 14th July 2021, the Department for Transport (DfT) published Decarbonising	Add under <b>National policy</b> heading.
Climate (APP- 045)	transport: a better, greener Britain, a plan to decarbonise the entire transport system	Decarbonising transport: a better, greener Britain
in the UK.  Section 14.3 Legislative and policy framework to include new policy.	The decarbonisation plan sets out the Government's commitments and the actions needed to decarbonise the entire transport system in the UK. This plan considers GHG emissions produced from use of the UK's transport system and details how the UK will enhance resilience to climate change risks across road, rail, ports, and aviation, harbour authorities and road and rail organisations.	
		The decarbonisation plan outlines a number of commitments by the Government to remove all emissions from road transport to achieve net zero target by 2050.
		Commitments that will have a direct impact on road user emissions from the Scheme will include:
		<ul> <li>An end to the sale of new petrol and diesel cars and vans by 2030</li> <li>All new cars and vans to zero emissions at the tailpipe by 2035</li> <li>All new L-category vehicles to be fully zero emissions at the tailpipe by 2035</li> <li>The end of the sale of all non-zero emissions HGVs by 2040</li> </ul>
		In addition, the Government is providing support for at least 4,000 zero emission buses and has committed to holding a consultation on a date to end the sale of new non-zero emissions motorbikes.
		This plan states that major infrastructure projects outlined in the "ambitious roads programme reflects – and will continue to reflect – that in any imaginable circumstances the clear majority of longer journeys, passenger, and freight, will be made by road; and that rural, remote areas will always depend more heavily on roads." This supports the Road Investment Strategy (RIS2) which this project sits within.

Document reference	Reason for amendment to the ES	Amendment to the ES
Volume 6.2 Environmental	Net zero highways: Our 2030 / 2040 / 2050 plan	14.3 Legislative and policy framework
Statement Chapter 14	On 20th July 2021, National Highways published its Net zero highways: our 2030	Add under <b>National policy</b> heading.
Climate (APP- 045)	/ 2040 / 2050 plan. This responds to the government's Decarbonising transport: a	Net zero highways: Our 2030 / 2040 / 2050 plan
	better, greener Britain.  Section 14.3 Legislative and policy framework to include new policy.	Net zero highways: our 2030 / 2040 / 2050 plan, responds to the Government's Decarbonising Transport: A Better, Greener Britain. The plan sets out how England's motorways and A-roads will be decarbonised, so they can continue to bring significant benefits to people and businesses in a net-zero economy.
		National Highways recognises that it has a key role in the development and maintenance of a strategic road network that will facilitate the journey to net zero emissions.
		The plan maps how the company will progress rapidly in this area, focusing on innovation and zero carbon solutions while using offset only as a very last resort. In summary:
		<ul> <li>By 2025: National Highways has made a Greening Government Commitment to reduce its own carbon emissions by 75% compared with the 2017/18 baseline.</li> <li>By 2030: National Highways will be net-zero for its own carbon emissions. This includes switching to light-emitting diode (LED) lighting, changing its vehicle fleet to electric and planting up to 3 million additional trees on its own land next to roads.</li> <li>By 2035: National Highways will bring together best practice and latest technologies to construct the first net-zero road scheme.</li> <li>By 2040: All construction and maintenance activities carried out on the strategic road network will be net-zero.</li> <li>By 2050: The vehicles on the strategic road network will be zero emission.</li> </ul>

Document reference	Reason for amendment to the ES	Amendment to the ES
Volume 6.2 Environmental Statement Chapter 14 Climate (APP- 045)	Paragraph 14.4.21 to be updated for the sixth carbon budget (2033 - 2037).	Paragraph 14.4.21 of ES Chapter 14 is updated to include the 6th carbon budget:  An estimate of the likely magnitude of GHG emissions associated with the scheme has been assessed against the legislated national UK carbon budgets. The UK Government has currently passed into law carbon budgets up to 2032:  • The third carbon budget period (2018 to 2022) allows the UK to emit 2,544 MtCO <sub>2</sub> e.  • The fourth carbon budget (2023 to 2027) allows the UK to emit 1,950 MtCO <sub>2</sub> e.  • The fifth carbon budget (2028 to 2032) allows the UK to emit 1,725 MtCO <sub>2</sub> e.  • The sixth carbon budget (2033 - 2037) allows the UK to emit 965 MtCO <sub>2</sub> e.

Document reference	Reason for amendment to the ES	Amendment to the ES							
Volume 6.2 Environmental Statement	Table 14-18 Assessment of scheme net emissions (up to 2032) against UK Government carbon budgets to reflect		sessment of sche	eme net emissions budgets	(up to <del>2</del> (	<del>)32</del>	against U	IK	
Chapter 14 Climate (APP- 045)	Climate (APP- the assessment.	Project stage	Estimated total (cumulative) GHG emissions	GHG emissions over carbon		sions per i	llative) scheme GHG per relevant carbon adget (tCO <sub>2</sub> e)		
			over carbon budgets (tCO₂e) ('Do-Something' scenario)		Third (2018 - 2022)	Fourth (2023 - 2027)	Fifth (2028 - 2032)	Sixth <sup>1</sup> (2033 - 2037)	
		Construction (over a period of 42 months, assumed to commence in early 2023- 2026)	57,932	57,932	n/a	57,932	n/a	n/a	
		Operation (modelled from 2026 through to 2037)	2,372,480	152,642	n/a	22,234	61,196	69,211	
		Total	2,430,411	210,573	n/a	80,166	61,196	69,211	
				<sup>1</sup> The sixth carbo law by June 202	•	n committed to by g	overnme	nt and is e	xpected to

Document reference	Reason for amendment to the ES	Amendment to the ES
Volume 6.2 Environmental Statement Chapter 14 Climate (APP- 045)	Paragraph 14.10.12 to reflect the sixth carbon budget is now included in the assessment.	Paragraph 14.10.12  If the DCO is granted, construction is expected to start in early 2023 and the scheme is expected to be open to traffic in 2026. Therefore, the construction period for the scheme falls wholly within the fourth carbon budget. Operation of the scheme would commence in 2026 and is assessed against the fourth, and fifth and sixth carbon budgets, up to 2032 2037. Operational and maintenance emissions between 2033 and 2037 (the period for the sixth carbon budget) are provided in Table 14-18, however emissions after 2032 are not assessed as this new target has yet to be legislated. The UK Government has indicated it intends to enshrine the sixth carbon budget in UK law by the end of June 2021.
Volume 6.2 Environmental Statement Chapter 14 Climate (APP- 045)	Paragraph 14.10.13 to reflect the sixth carbon budget is now included in the assessment.	Paragraph 14.10.13  Significant effects  The construction and operation phases of the scheme which fall within legislated carbon budget periods are expected to have an insignificant impact on the ability of the UK Government to meet its carbon budgets. Construction of the scheme is estimated to contribute approximately 0.00380% of the fourth carbon budget. Operation of the scheme is estimated to contribute approximately 0.00114% of the fourth carbon budget, and 0.00355% of the fifth carbon budget and 0.00717% of the sixth carbon budget. It is considered that this magnitude of emissions from the scheme in isolation would not have a material impact on the ability of the UK Government to meet its carbon budgets, and therefore is not anticipated to give rise to a significant effect on climate, in line with the position set out within Section 5.18 of the NPSNN.

#### 3 Environmental Statement Errata

3.1.1 Table 3-1 Environmental statement chapter errata has been produced to detail any errors or omissions within the ES which have been identified through the Examination and provides corrections as appropriate.

 Table 3-1
 Environmental statement chapter errata

Document reference	Reason for amendment to the ES				An	nendment to th	ne ES			
Volume 6.2 Environmental Statement Chapter 2 – The Project (APP-033)	Paragraphs 2.5.7 to 2.5.10 provides detail on the expected future baseline scenario, including expected changes to landscape, ecological and heritage assets, and climate change. However, there is no mention of the future baseline of flood risk, although this is assessed within ES Chapter 13 Road Drainage and the Water Environment (Document Reference 6.2, APP-044).	change, such as s in ES Chapter 4 E changes to road of Environment (Doo	rent land use, the some movements nvironmental Ass drainage and wate	e future baseline in s of certain species sessment Method er environment rec	amended to:  In the absence of the science of the science of the science and local population of cology (Document Reference of the future wouthe future baseline wouther the future wouther wouther the future wouther the future wouther the future wouther wouther the future wouther wouther wouther wouther wouther wouth	changes; howevence 6.2)) are earlier out on the contract of th	er, the overall hexpected to be leable, as discussed to the leable.	nabitats and sports an	ecies composition in the to that of the existing bar 13 Road Drainage an	e study area (as define aseline. <mark>Potential</mark>
Volume 6.2 Environmental Statement Chapter 5 Air Quality (APP-APP-036)	Paragraph 5.10.30 erroneously reports that Receptor 17 has the largest increase in concentration as 0.6 ug/m³, instead of 0.9 ug/m³.	"Receptors 17, 19	aragraph 5.10.30 of ES Chapter 5 is amended to: ecceptors 17, 19 and 22 are located in the Cheltenham AQMA. Receptor 17 has the largest increase in concentration (0.6 0.9μg/m³) as a result of the scheme. The ghest predicted concentration due to the scheme in the Cheltenham AQMA is at receptor 22 (31.6μg/m³). There are no modelled exceedances in the Cheltenham QMA."							
Volume 6.2 Environmental Statement Chapter 5 Air Quality (APP-APP-036)	Paragraph 5.10.24 - omission of Receptor 71 from discussion of results.	local authority mo 61µg/m3 was recorded the road. There are risk of exceedance	n region eight nine nitoring showed to orded at the roads re no predicted ex e at the Air Balloo	e receptors (see T that roadside cond side of the Air Bal xceedances of the on Cottages (rece	Table 5-6) have been se centrations of annual me loon roundabout. It is not a NO2 annual mean objectors 50 and 51). Receptify threshold and there	ean NO2 in the ot representative ctive in the baseptor 71 shows a	Birdlip AQMA we of receptor ex seline scenario high rate of ch	vere above the sposure in this at any of the re ange (2.7 ug/m	AQO. A maximum mor location as properties a eceptor locations. There and all the annual the annual	nitored concentration of re set back further from are two receptors at mean NO <sub>2</sub>
Volume 6.2 Environmental Statement Chapter 5 Air		Receptor 71 of ES  Table 5-6 NO <sub>2</sub> co	•		rs – discussion regio	n 1				
Quality (APP-APP-036)	Omission of Receptor 71 from Table 5-6.	Receptor Grid Reference (m)			Figure sheet reference	An	ınual mean NO2 (μ	g/m3)	Change (DS-DM) (μg/m3)	AADT change
	Table 3-0.		Х	Y		2016 Base	2026 DM	2026 DS		
		46	394545	213635	20	25.7	22.9	12.6	-10.4	-16,448
		50	393450	216124	9	43.2	39.9	23.6	-16.4	8,286
		51	393457	216129	9	42.7	39.1	22.8	-16.3	8,286
		53	393752	215136	9	10.7	8.6	9.5	0.8	2,235
		55	393391	215756	9	23.1	19.5	13.6	-5.9	-14,681
		71	393869	215412	9	10.7	8.6	11.3	2.7	45,149
		73	394208	215344	9	10.1	8.2	10.2	2.0	43,054
		96	392879	215807	9	25.3	22.8	22.4	-0.4	8,286
		99	392968	215759	9	17.7	15.3	17.2	1.9	8,286
Volume 6.2 Environmental Statement Chapter 6 – Cultural Heritage (APP- 037)	Paragraph 6.7.2 states an erroneous distance of 70m between the proposed scheme and Emma's Grove. This should be 50m.	Paragraph 6.7.2 One designated barrows, known c	resource lies with	in the DCO Bound	dary, but outside of the E 1017079). This resou	footprint of the rce is located a	scheme. This sopproximately 70	cheduled monu Om 50m to the s	ument consists of a grousouth of the scheme at	up of three round its closest point."

Document reference	Reason for amendment to the ES				Amendment to	the ES			
Volume 6.2		·							
Environmental	(high value)	Table 6-6 Sch	eduled monume	nts (high value	)				
Cultural Heritage (APP- 037) distance of 80r proposed sche	Table 6-6 states an erroneous distance of 80m between the proposed scheme and Emma's	NHLE No.	Name	Distance from scheme	Setting	Nature of impact	Magnitude of impact	Significance of effect	
	Grove. This should be 50m.	1017079	Three bowl barrows, known as Emma's Grove barrows	80m-50m	The barrows are located immediately to the east of the 'Air Balloon' roundabout and are hidden within a small copse. The wider setting of the barrows comprises an undulating rural landscape, featuring a mixture of historic and modern fields, boundaries, tracks and woodlands. The topography is such that long distance views are rare and this sense of hiddenness and discovery as an observer moves through the landscape, encountering other contemporary prehistoric monuments as they appear in view, is a key aspect of setting that adds to its significance. This 'mind visibility' is likely to have been important to the builders of the barrow, and therefore the significance of the barrow is sensitive to changes to the landform within this setting, regardless of whether these changes are visible.	Passing approximately 50m to the north of these barrows, the scheme would alter the immediate setting of the barrows, although this would be ameliorated slightly by the removal of the Existing A417 immediately to the west. The scheme would represent a modern alteration to the wider rural landscape within which these barrows sit. This wider rural setting, which contains a number of other prehistoric funerary monuments, provides context to the barrow, of which the concept of movement through the landscape is a key aspect. The scheme would create a physical barrier in the landscape that would be highly intrusive in the setting of the barrows and as a result adversely affect the significance of the resource. This would equate to a moderate adverse effect according to the criteria in Table 6-4.	Minor adverse	Moderate adverse (significant effect)	
Volume 6.2 Environmental Statement Chapter 8 Biodiversity (APP-039)	Paragraph 8.9.32 requires revision as it understates the total amount of woodland created by the scheme.	"A total of App the new A417 the scheme fo borders of a fig	9.32 of ES Chapte roximately 7.5ha of from Brockworth to the benefit of bareld to the south of	er 8 is amended of new broadlea to the Crickley F t species. Mixed Ullen Wood. Th	area of woodland loss).  to:  ved woodland species of native variety claim area to replace woodland lost during continuated by the second second and a buffer of second provide a woodland edge buffer ove to create a tiered buffer of vegetation	construction and to ensure continuity of v crub species of approximately 5ha in are for the ancient woodland. Similarly, add	voodland habitat a ea would also be	along this section of planted round the	
Volume 6.2 Environmental	Table 8-6 Summary of field survey methods used for each		e 8-6 is amended nmary of field su		used for each type of biodiversity reso	ource relevant to the scheme			
Statement Chapter 8 Biodiversity (APP-039)	type of biodiversity resource relevant to the scheme	Biodiversity survey	Field surve		Dates of survey	Reference/ Appendix			
	Table 8-6 should clarify what time of year the Extended Phase 1 Habitat survey was undertaken.	Extended Phase 1 habitat survey	Habitats within the st mapped, and potenti notable species esta the standard JNCC n	al for protected and blished following	various summer months in 2019, 2020 and 2021.	ES Appendix 8.1 (Document Reference 6.4), and the 2017 Preliminary Ecological Appraisal report <sup>24</sup> .			
Valura C 2	Developments 0.40.25 and 0.40.22	Dana ananah 0	10.0F of EC Chart	tor O in amoundar	J 4				
Volume 6.2 Environmental Statement Chapter 9 –	Paragraphs 9.10.25 and 9.10.33 contain an error where the significance of effect on surface water is reported as 'neutral and	Paragraph 9.10.25 of ES Chapter 8 is amended to:  "Although the Tier 2: GQRA have identified localised areas where elevated contamination levels may pose a risk to the controlled water receptors during application of essential mitigation no significant effects on controlled waters during construction have been identified. Therefore, overall the effect of the from contamination on groundwater during construction is assessed as neutral and slight adverse and not significant. For surface water this is assessed permanent slight adverse and not significant."							

Document reference	Reason for amendment to the ES	Amendment to the ES									
Volume 6.2	Table 9-9 Summary of effects	Table 9-9 of ES Chapter 9 is amended as follows.									
Environmental	during construction Table 9-9 contains an error where	Table 9-9 Summary of effects during construction									
Statement Chapter 9 – Geology and Soils (APP- 040)		Potential impact	Receptor	Description	Receptor sensitivity	Desig	ın and mitigation me	easures	Magnitude of impact	Residual significance of effect	
		groundwater/ direct discharge and pollution of aquifers  Vertical and lateral migration of leachate/ groundwater contamination and/or direct contact with soil contamination	Groundwater	Inferior Oolite and Great Oolite - Principal Aquifers	High	Tier 1: Preliminary Risk Assessment and Tier 2: GQRA, informed be available information on potential sources including desk study, and ground investigations (e.g. evidence of contamination and/or soil and groundwater chemical testing) have been completed. Areas of concern have been identified, subject to additional investigations and site specific assessments, remediation measures may be required. This would be presented in a remediation strategy.  The impact would be controlled through measures set out in the EMP (ES Appendix 2.1 EMP (Document Reference 6.4)) including appropriate hazardous materials storage and handling, pollution response and environmental management, materials management and dealing with known and unexpected contamination. Pollution control systems would be targeting areas of concern identified through the risk assessments.  The drainage design would prevent/reduce the risk of discharging pollutants into the aquifers via drainage pathways and control surface water runoff at its source. Further details on the drainage design are reported in Appendix 13.10 Drainage report (Document Reference 6.4).		cluding desk study, and	/ Negligible	Slight adverse	
			Surface water	Superficial deposits - Secondary A aquifer	Medium			en completed. Areas of	Negligible	Neutral	
				Lias Group - Secondary (undifferentiated) aquifer	Low			Negligible	Neutral		
				Tributary of Horsbere Brook	Medium			ference 6.4)) including d handling, pollution materials management	Negligible	Neutral Slight adverse	
				Tributary of Norman's Brook	Medium High			Negligible	Neutral Slight adverse		
				River Frome and its tributaries	High			tails on the drainage	Negligible	Slight adverse	
				Tributary of River Churn Me	Medium	associated MMP (ES A Plan (Document Refero suitable for end use, i.e.	aterials reused within the scheme in accordance with EMP and associated MMP (ES Appendix 2.1 Environmental Management an (Document Reference 6.4)) and therefore only materials at (Document Reference 6.4) and therefore only materials are unacceptable at (Document Reference 6.4). At (Document Reference 6.4) and therefore only materials are unacceptable at (Document Reference 6.4) and therefore only materials are unacceptable at (Document Reference 6.4) and therefore only materials are unacceptable at (Document Reference 6.4).		Negligible	Neutral Slight adverse	
						foundations or ground					
Volume 6.2	during operation  Table 9-10 erroneously omitted  "Superficial deposits – Secondary A aquifer" and "Lias Group – Secondary (undifferentiated aquifer)" as groundwater receptors during the operational phase of the scheme.  Table 9-10 contains an error where the receptor sensitivity of the Tributary of Norman's Brook was reported as 'medium', when it should have been reported as 'high'.  Table 9-10 contains an error where the residual significance of effect was reported as 'neutral' for the Tributary of Horsbere Brook, Tributary of Norman's Brook and the Tributary of River Churn, when	Table 9-10 of ES Chapter 9 is amended as follows.									
Environmental Statement Chapter 9 – Geology and Soils (APP- 040)		Table 9-10 Summary of effects during operation									
		Potential impact	Recep	•	ption	Receptor sensitivity	Design and Mitigation measures	Magnitude of impac		inificance of ect	
		Exposure to soil contamination	On-site user	Maintenance workers	Maintenance workers		N/A	Negligible	No change Neutral  No change Neutral		
				Highway users	Highway users			No change			
			Off-site user	Residents of nearby prop	Residents of nearby properties			No change			
					WCH (Public open space users)			Negligible			
		Leaching and migration of contam due to rainwater infiltration from s used in construction to groundwat	oils	Aquifer			N/A Negligible  Negligible		Slight adverse		
		and lateral migration to surface w			Superficial deposits – Secondary A aquifer				Slight adverse		
		areas of landscaping Surface run-off to surface water ir		Lias Group – Secondary aquifer)		Low		Negligible	Neutral		
		areas of landscaping from soils us construction	sed in   Surface wate	er Tributary of Horsebere B	Tributary of Horsebere Brook			Negligible	Neutral Slight adverse		
				Tributary of Norman's Brook		Medium High	Negligible		Neutral Slight adverse		
				River Frome and its tribu	taries	High		Negligible	Slight adverse		
				Tributary of River Churn		Medium		Negligible	Neutral Slight adverse		
	it should have been reported as 'slight adverse'.										

Document reference	Reason for amendment to the ES	Amendment to the ES
Volume 6.2 Environmental Statement Chapter 13 Road Drainage and the Water Environment (APP-044)	include the nine months of surface water quality and flow data,	Paragraphs 13.5.7 of ES Chapter 13 is amended to:  "The findings presented in this chapter are based upon the data available at the time of writing including data collected to end of October 2020 for groundwater and December 2020 for surface water and springs and nine months of surface water quality and flow data, between August 2020 and April 2021. Any data collected following these dates would be used to refine the conceptual models to support the detailed design phase and would form part of the ongoing dialogue with the EA and others."
Volume 6.2 Environmental Statement Chapter 13 Road Drainage and the Water Environment (APP-044)	revision to provide clarity that the determination of groundwater conditions across the scheme is with exception of two areas, Ch.0+000 to CH. 0+500 and CH.2+100 to 2+600.	Paragraph 13.5.13 of ES Chapter 13 is amended to:  "The intrusive ground investigations field work to determine the site-specific ground conditions across the majority of the scheme have now been completed and groundwater monitoring is currently ongoing, due for completion by end of June 2021. These are described in section 13.7 Baseline conditions. This is with an exception of scheme section approximately Groundwater monitoring was not completed in two sections of the scheme alignment: Ch.0+000 to CH. 0+500 and CH.2+100 to 2+600. Ch. 0+500 was not monitored as the scheme does not require significant excavations in this section (see para 13.5.14 for further details). Ch. 2+100 to 2+600 was not monitored due to, where no land access was granted at the time of the field works. Ground investigations commenced in February 2021 and were completed in March 2021. Subsequent groundwater monitoring will continue until March 2022. Information obtained from these investigations will be considered at detailed design. Based on the hydrogeological conceptual model derived for the scheme informed by groundwater monitoring data obtained from scheme sections located on either end of the non-investigated section, the scheme would not intercept groundwater as the groundwater table is at least 30m below the scheme. Therefore, the available information on groundwater levels is considered sufficient to inform the assessments."
Volume 6.2 Environmental Statement Chapter 13 Road Drainage and the Water Environment (APP-044)	Paragraph 13.10.14 requires clarity as to the reason behind reporting the sensitivity of Tributary of Norman's Brook as 'high', instead of 'medium' value, even though it is not designated as a WFD catchment.	Paragraph 13.10.14 of ES Chapter 13 is amended to: "With the sensitivity of the receptor being high, and magnitude of impacts of negligible, the effect would be slight adverse and not significant. A precautionary approach has been taken, assigning the watercourse a value of high based on the potential for species protected under legislation."