

# A63 Castle Street Improvement, Hull

**DCO Documents Errata** 

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### **DCO Documents Errata**

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#### Page 1



# **1** Introduction

1.1.1 This Errata lists amendments to the Development Consent Order (DCO) documents which formed the A63 Castle Street Improvement, Hull application submitted to the Planning Inspectorate in September 2018. The Errata focuses upon corrections as opposed to typographical errors. Documents are presented in the order with which they were submitted for DCO.



## 2 6.1 Environmental Statement Volume 1 Main Text (APP-023)

#### Table 2.1: Environmental Statement Volume 1 Main Text

Page	Paragraph/ Table	Published text	Correction
37	2.5.2	In totality the areas measure approximately: Option A 332,534m <sup>2</sup> (Arco) and Option B 332,157m <sup>2</sup> (Staples), which is around 33 hectares (see Sections Error! Reference source not found. to Error! Reference source not found. for more details).	In totality the areas measure approximately: Option A 322,297m <sup>2</sup> (Arco) and Option B 332,157m <sup>2</sup> (Staples), which is around 33 hectares (see Sections <b>Error! Reference source not</b> <b>found.</b> to <b>Error! Reference source not</b> <b>found.</b> for more details).
37	2.5.3	<ul> <li>The permanent area of land required for the footprint of the Scheme (excluding the land needed temporarily during construction) measures approximately 79.926m<sup>2</sup>. The current land use for the permanent footprint for the Scheme is primarily the existing road, associated footways, cycleways, roadside verges and central reserve. The realignment of Mytongate Junction and the addition of slip roads however require additional permanent land take from the following sites as shown on Volume 2, Figure 2.3 Scheme Site Boundary. The approximate areas are as follows: <ul> <li>Arco Ltd - 3,501m<sup>2</sup></li> <li>Kingston Retail Park - 937m<sup>2</sup></li> <li>Trinity Burial Ground - 2,632m<sup>2</sup></li> </ul> </li> </ul>	<ul> <li>The permanent area of land required for the footprint of the Scheme (excluding the land needed temporarily during construction) measures approximately 77,073m<sup>2</sup>. The current land use for the permanent footprint for the Scheme is primarily the existing road, associated footways, cycleways, roadside verges and central reserve. The realignment of Mytongate Junction and the addition of slip roads however require additional permanent land take from the following sites as shown on Volume 2, Figure 2.3 Scheme Site Boundary. The approximate areas are as follows: <ul> <li>Arco Ltd - 3,502m<sup>2</sup></li> <li>Kingston Retail Park - 822m<sup>2</sup></li> <li>Holiday Inn - 2,249m<sup>2</sup></li> </ul> </li> </ul>
		<ul> <li>Holiday Inn - 2,249m<sup>2</sup></li> </ul>	<ul> <li>Castle Buildings and Earl de Grey public house – 7.3m<sup>2</sup></li> </ul>
38	2.5.4	Land requiring permanent rights of access for maintenance and easement on land other than the public highway (in the vicinity of the Arco site and at Humber Dock Marina), totals approximately 23,551m <sup>2</sup> .	Land requiring permanent rights of access for maintenance and easement on land other than the public highway (in the vicinity of the Arco site and at Humber Dock Marina), totals approximately 17,041m <sup>2</sup> .
38	2.5.5	The Scheme Site also includes the land required temporarily to construct the Scheme. This land measures approximately 232,420m <sup>2</sup> . It includes the sites of the Myton Centre (approximately 4,400m <sup>2</sup> ), Earl de Grey public house and Castle Buildings (approximately 968m <sup>2</sup> )	The Scheme Site also includes the land required temporarily to construct the Scheme. This land measures approximately 228,184m <sup>2</sup> . It includes the sites of the Myton Centre (approximately 4,312m <sup>2</sup> ), Earl de Grey public house and Castle Buildings (approximately 961m <sup>2</sup> )



Page	Paragraph/ Table	Published text	Correction
		and an area within the Humber Dock Marina (approximately 8,463m <sup>2</sup> ).	and an area within the Humber Dock Marina (approximately 8,463m <sup>2</sup> ).
49	2.6.38	The bridge deck width would be 3m to allow for un-segregated foot and cycle use.	The bridge deck width would be 3m between parapets to allow for unsegregated foot and cycle use.
53	2.6.50	<ul> <li>A combined footway and cycleway along the length of both sides of the A63 would be provided as shown on Volume 2, Figure 2.5 Sheets 2, 3 and 5 The Scheme proposals. The shared facility would generally be 3m wide, however there are some locations where space is restricted and the width would be reduced to a minimum of 2m as follows:</li> <li>between Castle Buildings and Princes Quay car park on the north side of the A63 for approximately 55m</li> <li>in front of Warehouse No. 6 (Ask restaurant) on the north side of the A63 for approximately 25m</li> <li>in front of Humber Dock Marina, Holiday Inn and Trinity Burial Ground on the south side of the A63 for approximately 400m</li> <li>adjacent to Kingston Retail Park and in front of Arco on the south side of the A63 for approximately 450m</li> </ul>	<ul> <li>A combined footway and cycleway would be provided along the north side of the A63. To the south it would extend along Blackfriargate to Humber Dock Street and Princes Quay Bridge and also between Spruce Road and the western extents of the Scheme. These proposals are shown on Volume 2, Figure 2.5 Sheets 2, 3 and 5 The Scheme proposals. The shared facility would generally be 3m wide, however there are some locations where space is restricted and the width may be reduced to a minimum of 2m. These areas are subject to agreements between the Applicant, local landowners and Hull City Council. The sections are as follows:</li> <li>the connection between Princes Quay Bridge along Princes Dock Street which runs from behind Warehouse No. 6 (Ask restaurant) to the A63 for approximately 25m</li> <li>the short diversion route through the Prince Quay Bridge public realm area which provides two alternative routes for both cyclists and pedestrians</li> <li>the route along Blackfriargate</li> </ul>
54	2.6.52	The existing signalised pedestrian crossings at Market Place would be removed and pedestrians and cyclists would use a ramp from the A63 to access High Street to take them under the A63. The ramp would be realigned and the visibility for NMUs would be further improved by removing existing dense vegetation. A replacement planting scheme has been proposed in front of the Magistrates' Court which consists of tree planting with low growing shrub understorey, therefore ensuring no net loss of vegetation, but improved visibility long term. See Volume 2, Figure 9.8 Landscape proposals for more details. On the south side of the A63, pedestrians and cyclists	The existing signalised pedestrian crossings at Market Place would be retained and pedestrians and cyclists would use a ramp from the A63 to access High Street to take them under the A63. The ramp would be realigned and the visibility for NMUs would be further improved by removing existing dense vegetation. A replacement planting scheme has been proposed in front of the Magistrates' Court which consists of tree planting with low growing shrub understorey, therefore ensuring no net loss of vegetation, but improved visibility long term. See Volume 2, Figure 9.8 Landscape proposals for more details. On the south side of the A63, pedestrians and cyclists would be routed along

Page	Paragraph/ Table	Published text	Correction
		would be routed along Humber Street. This would also be improved for NMUs with a new combined footway and cycleway with vegetation clearance to improve visibility. Users would re-join the A63 either via Queen Street or by continuing along Blanket Row and Humber Dock Street.	Blackfriargate. This would also be improved for NMUs with a new combined footway and cycleway with vegetation clearance to improve visibility. Pedestrians and cyclists would re-join the A63 via the retained Queen Street signalised crossing.
54	2.6.53	It would be possible for NMUs to cross other side roads, as at present. With the exception of Mytongate Junction, crossings of side roads would be uncontrolled. Casual crossing of the A63 by NMUs would be prevented by a barrier within the central reserve and provision of pedestrian guard rails in footways or nearside verges at high-risk locations.	It would be possible for NMUs to cross other side roads, as at present. With the exception of Mytongate Junction, Market Place and Queen Street, crossings of side roads would be uncontrolled. Casual crossing of the A63 by NMUs would be prevented by a barrier within the central reserve and provision of pedestrian guard rails in footways or nearside verges at high-risk locations.
66	2.9.6	There is no traffic management requirement for phase 0.	Delete text
182	7.7.7	<ul> <li>It is proposed that the A63 remain in use throughout the works in order that its capacity is maximised. Right hand turns at Mytongate would be maintained throughout the works.</li> </ul>	<ul> <li>It is proposed that the A63 remain in use throughout the works in order that its capacity is maximised.</li> </ul>
317	Table 10.4 Non- statutory designated sites (row 13)	SNCI Foredyke stream cycle track - south of Chamberlain Road (177)	Remove row 13 from table
335	Table 10.8 Summary of valuation of ecological receptors, Ecological receptor column (row 3)	Trinity Burial Ground SNCI, River Hull SNCI	Trinity Burial Ground SNCI, River Hull SNCI, Mudflats to the south of Sammy's Point SNCI
340	10.7.17	River Hull SNCI Direct impacts to the River Hull SNCI are unlikely.	River Hull SNCI and Mudflats to the south of Sammy's Point SNCI Direct impacts to the River Hull SNCI and Mudflats to the south of Sammy's Point SNCI are unlikely.



Page	Paragraph/ Table	Published text	Correction
347	10.7.54	River Hull SNCI Road drainage would not discharge to the River Hull during the Operation Phase and there would therefore be no risks to water quality within the river.	River Hull SNCI and Mudflats to the south of Sammy's Point SNCI Road drainage would not discharge to the River Hull during the Operation Phase and would not impact upon the River Hull SNCI or Mudflats to the south of Sammy's Point SNCI. There would therefore be no risks to water quality within the river.
351	Table 10.9 Characteris ation process of ecological impacts	n/a	Replace Table 10.9 with revised Table 10.9 below. Impacts are separated into a column for construction and a column for operation as requested in WQ1.2.6 (new/revised text in red). Replacement table also takes into account changes arising from mudflats to the south of Sammy's Point SNCI as requested in WQ1.2.2 (new/revised text in red).
366	10.8.11	<i>River Hull SNCI</i> Neutral residual impacts are predicted to the River Hull SNCI during the Construction Phase, following the implementation of pollution protection mitigation measures.	River Hull SNCI and Mudflats to the south of Sammy's Point SNCI Neutral residual impacts are predicted to the River Hull SNCI and Mudflats to the south of Sammy's Point SNCI during the Construction Phase, following the implementation of pollution protection mitigation measures.
369	10.8.31	<ul> <li>River Hull SNCI</li> <li>With no increase in noise or air pollution and no water discharges into this river, there is predicted to be neutral residual impacts to the SNCI during operation.</li> </ul>	River Hull SNCI and Mudflats to the south of Sammy's Point SNCI With no increase in noise or air pollution and no water discharges into this river, there is predicted to be neutral residual impacts to these SNCIs during operation.
372	Table 10.10 Summary of ecological receptors, Ecological receptor column (row 4)	River Hull SNCI	River Hull SNCI and Mudflats to the south of Sammy's Point SNCI
378	Table 10.10 Summary of ecological receptors, Ecological receptor	Aquatic Invertebrates Humber Estuary SSSI River Hull SNCI	Aquatic Invertebrates Humber Estuary SSSI River Hull SNCI



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	column (row 11)		Mudflats to the south of Sammy's Point SNCI
385	11.1.6	Impacts ranging from large / very large beneficial to very large adverse significance during construction include the alteration of ground elevations, which has the potential to alter flood routes depending on the scale and source of the flooding and the phase of construction. Impacts can be of adverse or beneficial significance depending on the location. Management of flood risk during construction would be outlined in the OEMP and would include use of the Environment Agency's Flood Warning service.	Impacts ranging from very large beneficial to very large adverse significance during construction include the alteration of ground elevations, which has the potential to alter flood routes depending on the scale and source of the flooding and the phase of construction. Impacts can be of adverse or beneficial significance depending on the location. Management of flood risk during construction would be outlined in the OEMP (including the Flood Emergency Plan (FEP)) and would include use of the Environment Agency's Flood Warning service
386	11.1.10	Alteration of ground elevations as a result of the Scheme result in a complex pattern of flooding impacts on the Humber floodplain primarily related to the presence of the underpass and the raising of road levels to the east and west of the underpass. Operation flood risk impacts range from large / very large beneficial to very large adverse significance depending on the location on the floodplain and the source and extent of the flooding.	Alteration of ground elevations as a result of the Scheme result in a complex pattern of flooding impacts on the Humber floodplain primarily related to the presence of the underpass and the raising/lowering of road levels to the east and west of the underpass. Operation flood risk impacts range from very large beneficial to very large adverse significance depending on the location on the floodplain and the source, extent and severity of the flooding.
	11.1.11	There is an existing procedure in place whereby flood alerts from the Environment Agency are issued to the Highways England Emergency Planning team who consider an appropriate response, for example, the closure of the underpass. This response would be implemented by the local emergency services. This procedure has been updated and amended to reflect the particular requirements of flooding of the underpass. The revised procedure was written in consultation with relevant stakeholders including Highways England, the emergency services and the Humber Local Resilience Forum.	There is an existing procedure in place whereby flood alerts from the Environment Agency are issued to the Highways England Emergency Planning team who consider an appropriate response, for example, the closure of the underpass. This response would be implemented by the local emergency services. This procedure has been updated and amended to reflect the particular requirements of flooding of the underpass. The revised procedure was written in consultation with relevant stakeholders including Highways England, the emergency services and the Humber Local Resilience Forum. The updated procedures include measures to enable physical closure of the underpass during flood events, including those events with minimal or no warning, such as a flood defence breach.



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	11.4.9	<ul> <li>The Environment Agency, to discuss existing flood risk information including flood models; agree the approach to, and discuss the outcomes of, the flood risk assessment (FRA) (including the agreement on which flood scenarios to assess) and the water quality impact assessment; and to consult on the mitigation measures for flood risk and water quality impacts from the proposed discharge into the Humber. The Environment Agency was also consulted on the approach to and findings of the groundwater assessment, as well as the groundwater modelling approach. Following a meeting in August 2018 subsequent to a review of the draft FRA, the Environment Agency requested additional information on flood risk to be provided at a later date. These additional requirements are summarised in Volume 3, Appendix 11.9 Additional flood risk assessment information requirements.</li> </ul>	<ul> <li>The Environment Agency, to discuss existing flood risk information including flood models; agree the approach to, and discuss the outcomes of, the flood risk assessment (FRA) (including the agreement on which flood scenarios to assess) and the water quality impact assessment; and to consult on the mitigation measures for flood risk and water quality impacts from the proposed discharge into the Humber. The Environment Agency was also consulted on the approach to and findings of the groundwater assessment, as well as the groundwater modelling approach. Following a meeting in August 2018 subsequent to a review of the draft FRA, the Environment Agency requested additional information on flood risk to be provided at a later date. These additional requirements are summarised in Volume 3, Appendix 11.9 Additional flood risk assessment information requirements. Detailed and regular consultation with the Environment Agency was ongoing prior to and during the DCO Examination process, the Statement of Common Ground<sup>1</sup> provides details of all consultation with the Environment Agency including the provision of additional information as outlined in Volume 3, Appendix 11.9 Additional flood risk to be provides details of all consultation with the Environment Agency was ongoing prior to and during the DCO Examination process, the Statement of Common Ground<sup>1</sup> provides details of all consultation with the Environment Agency including the provision of additional information as outlined in Volume 3, Appendix 11.9 Additional flood risk information.</li> </ul>
402	11.4.19	Consultation has taken place with HCC and the Environment Agency throughout the FRA to agree the scope of the assessment, the flood scenarios to be considered and to review the results of the impact assessment and discuss mitigation measures including emergency procedures.	Consultation has taken place with HCC and the Environment Agency prior to the DCO application and during the subsequent DCO Examination process to agree the scope of the assessment, the flood scenarios to be considered and to review the results of the impact assessment and discuss mitigation measures including emergency procedures. The consultation with the Environment Agency also highlighted the requirement to consider extreme (H++) <sup>2</sup>

<sup>&</sup>lt;sup>1</sup> Highways England's A63 Castle Street Improvement, Hull, TR010016, Statement of Common Ground (SoCG) with the Environment Agency <sup>2</sup> Environment Agency (2016). Adapting to Climate Change: Advice for Flood and Coastal Erosion Risk Management Authorities



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			and the recently released UKCP18 <sup>3</sup> climate change allowances. Furthermore, the Environment Agency requested specific consideration of the impacts of flood defences breaches on the Scheme. Details of this consultation are provided in the relevant Statement of Common Ground <sup>1</sup> and a list of the additional information provided is given in ES Volume 3, Appendix 11.9 Additional flood risk information.
403	11.4.20	The Environment Agency requested additional information on flood risk to be provided at a later date; these requirements are summarised in Volume 3, Appendix 11.9 Additional flood risk assessment information requirements.	The Environment Agency requested additional information on flood risk to be provided following the publication of the FRA with the DCO application. These requirements are summarised in Volume 3, Appendix 11.9 Additional flood risk assessment information requirements.
403	Table 11.4: Flooding scenarios considered in the FRA	Tidal (undefended) from Humber Estuary       These scenarios consider tidal flooding from the Humber Estuary if the existing Humber flood defences were not in place.       1 in 200 timate change	Tidal (undefended) from Humber Estuary     These scenarios consider tidal flooding from the Humber Estuary if the existing Humber flood defences were not in place.     1 in 200 1 in 200 plus climate change 1 in 200 plus climate change
403	Table 11.4: Flooding scenarios considered in the FRA	n/a	Add row: Humber north bank defence breaches These scenarios consider breaches of the existing Humber north bank tidal flood defences at four locations within the study area. These scenarios are based on information supplied by Hull City Council
417	11.5.38	According to the SFRA, the city of Hull, and the Scheme are protected from flooding by the existing Humber Estuary and River Hull flood defences. The Humber Estuary defences generally provide a standard level of protection to a 1 in 200-year event, but in some areas, for example, to the east of Albert Dock East the level of protection falls to a 1 in 5-year event. New flood defences have been installed in Albert Dock (completed in November 2015) which provide a standard level of protection to a 1 in 200-year event. The River Hull defences generally provide a standard level of protection greater than a 1 in 200-year event.	According to the SFRA, the city of Hull, and the Scheme are protected from flooding by the existing Humber Estuary and River Hull flood defences. The Humber Estuary defences generally provide a standard level of protection to a 1 in 200-year event, but in some areas, for example, to the east of Albert Dock East the level of protection falls to a 1 in 5-year event. New flood defences have been installed in Albert Dock (completed in November 2015) which provide a standard level of protection to a 1 in 200- year event. The River Hull defences generally provide a standard level of protection greater than a 1 in 200-year event. The Environment Agency currently have a scheme under construction (the Humber Hull Frontages <sup>4</sup> ) to install and

<sup>3</sup> Met Office (2019).UK Climate Projections (UKCP18). <u>https://www.metoffice.gov.uk/research/collaboration/ukcp</u> <sup>4</sup> https://consult.environment-agency.gov.uk/yorkshire/humber-hull-frontages/



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			upgrade 7km of flood defences on the north bank of the Humber at Hull from St. Andrew's Quay to Victoria Dock. This scheme will improve the standard of protection to the defences in the study area to 1 in 200 years plus an allowance for climate change to 2040. Climate change effects beyond 2040 will be addressed through a 'managed adaptive' approach with the defences designed and constructed to facilitate easier upgrades in the future. The Humber Hull Frontages scheme is scheduled for completion in March 2021.
418	11.5.42	Predictions from the flood risk model developed for Volume 3 Appendix 11.2 Flood risk assessment confirm that under baseline conditions:	Predictions from the flood risk model developed for Volume 3 Appendix 11.2 Flood risk assessment confirm that under baseline conditions:
		<ul> <li>There are some isolated areas of minor surface water flooding to the north and east of the Scheme. There was no predicted surface water flooding within the Scheme area.</li> </ul>	<ul> <li>There are some isolated areas of minor surface water flooding to the north and east of the Scheme. There was no predicted surface water flooding within the Scheme area.</li> </ul>
		<ul> <li>In the vicinity of the Scheme Site, predicted flooding under a 1 in 200- year return period wave overtopping event from the Humber Estuary reaches the periphery of the Scheme area resulting in flooding to the west and south of Mytongate Junction and parts of Kingston Retail Park. This assumes the existing Humber flood defences are in place and the Albert Dock gate is closed.</li> </ul>	<ul> <li>Predicted flooding under a 1 in 200- year return period wave overtopping event from the Humber Estuary reaches the Scheme area resulting in flooding of the A63 to the east of Mytongate Junction and parts of Kingston Retail Park. During such an event, the underpass would be flooded. This assumes the existing Humber flood defences are in place and the Albert Dock gate is closed.</li> </ul>
		<ul> <li>Without the Humber north bank flood defences, the extent of flooding under a 1 in 200-year return period tidal event is widespread with significant areas of Hull affected. Flood depths reach a maximum of 1.2m along the existing A63.</li> </ul>	<ul> <li>Without the Humber north bank flood defences, the extent of flooding under a 1 in 200-year return period tidal (i.e. undefended) event is widespread with significant areas of Hull and all of the Scheme site area affected. Flood depths reach a maximum of 0.38m along the existing A63.</li> </ul>
		<ul> <li>The failure of the Hull Tidal Surge Barrier to close would result in extensive flooding west of the River Hull (the flood risk model does not consider the area to the east of the River Hull) under a tidal event with a return period of 1 in 200-years. The A63 east of Mytongate Junction is flooded up to a maximum of 1m in places with flooding extending north of Mytongate Junction to Ferensway and Anlaby Road. It is noted that the</li> </ul>	<ul> <li>The failure of the Hull Tidal Surge Barrier to close would result in extensive flooding west of the River Hull (the flood risk model does not consider the area to the east of the River Hull) under a tidal event with a return period of 1 in 200-years. The A63 to east of Mytongate Junction is flooded up to a maximum of 0.47m in places with flooding extending north of Mytongate Junction to Ferensway and</li> </ul>



Page	Paragraph/ Table	Published text	Correction
		failure of the Hull Tidal Surge Barrier to close during a high tide event is extremely unlikely as it is fitted with a system to automatically close the barrier if the power fails.	Anlaby Road. It is noted that the failure of the Hull Tidal Surge Barrier to close during a high tide event is extremely unlikely as it is fitted with a system to automatically close the barrier if the power fails.
439	11.6.17	Mitigation of extreme flooding impacts from tidal, fluvial and pluvial sources during construction should be considered in the OEMP. The construction of the underpass would create excavations where construction workers and plant would be at risk. Standby temporary pumping arrangements may be required to remove any flood water and this would be subject to best practice guidance to control discharges to sewer or surface waters. Emergency and evacuation procedures would be incorporated into the OEMP in response to all sources of flooding and would include use of the Environment Agency Flood Warning service.	Mitigation of extreme flooding impacts from tidal, fluvial and pluvial sources during construction should be considered in the OEMP and detailed in a Flood Emergency Plan (FEP) prior to construction. The construction of the underpass would create excavations where construction workers and plant would be at risk. Standby temporary pumping arrangements may be required to remove any flood water and this would be subject to best practice guidance to control discharges to sewer or surface waters. Emergency and evacuation procedures would be incorporated into the OEMP and FEP in response to all sources of flooding and would include use of the Environment Agency Flood Warning service.
442	11.6.35	<ul> <li>For extreme tidal flooding events such as those witnessed on 5 December 2013, there is an existing procedure in place whereby flood alerts from the Environment Agency are issued to the Highways England Emergency Planning team at the North East Regional Control Centre (NERCC) who consider an appropriate response, for example, the closure of the underpass. This procedure is currently being reviewed for the Scheme. The Flood Emergency Evacuation Plan Report is appended to Volume 3, Appendix 11.2 Flood risk assessment. A summary of the key aspects of the Plan are provided below:</li> <li>Upon receipt of a flood alert, personnel from the Area Maintenance Team (AMT) and key assets (including a high-volume pump owned by Highways England) will be put on 'standby' for deployment.</li> <li>Upon receipt of a flood warning, the NERCC will monitor the underpass via CCTV, variable message signs (VMS) will be activated to direct traffic away from the underpass and</li> </ul>	<ul> <li>For extreme tidal flooding events such as those witnessed on 5 December 2013, there is an existing procedure in place whereby flood alerts from the Environment Agency are issued to the Highways England Emergency Planning team at the North East Regional Control Centre (NERCC) who consider an appropriate response, for example, for the closure of the underpass. This procedure has been reviewed and revised (in consultation with the Environment Agency, Hull City Council, the emergency services and Highways England) for the Scheme. The Flood Emergency Evacuation Plan Report is appended to Volume 3, Appendix 11.2 Flood risk assessment. A summary of the key aspects of the Plan are provided below:</li> <li>Upon receipt of a flood alert, personnel from the Area Maintenance Team (AMT) and key assets (including a temporary, mobile, high-volume pump owned by Highways England) will be put on 'standby' for deployment.</li> <li>Upon receipt of a flood warning, the NERCC will monitor the underpass via</li> </ul>



Page	Paragraph/ Table	Published text	Correction
		<ul> <li>personnel from the AMT will be moved closer to the underpass to put in place a physical road closure, if required.</li> <li>Upon receipt of a severe flood warning, the high-volume pump will be moved to the underpass and a physical road closure will be put in place by the AMT personnel. VMS will direct traffic away from the underpass and long pre-agreed strategic diversion routes. The underpass will be monitored via CCTV.</li> <li>All relevant measures outlined above would remain in place until a 'Warnings no longer in force' notification is issued by the Environment Agency.</li> <li>The underpass pumping station would have high volume alarms to alert the NERCC to pump failure, which would trigger the above closure responses, if required. This would only be required in the event of a failure of all other warnings and would provide a last chance warning of flooding of the underpass.</li> <li>The plan would be under the ownership of Highways England with a review every 2 years.</li> </ul>	<ul> <li>CCTV, variable message signs (VMS) will be activated to direct traffic away from the underpass and personnel from the AMT will be moved closer to the underpass to put in place a physical road closure, if required.</li> <li>Upon receipt of a severe flood warning, the high-volume pump will be moved to the underpass and a physical road closure will be put in place by the AMT personnel. VMS will direct traffic away from the underpass and long pre-agreed strategic diversion routes. The underpass will be monitored via CCTV.</li> <li>The FEEP also includes procedures to be rapidly put in place and the underpass closed, in the event of a minimal or no warning flood event such as a defence breach.</li> <li>All relevant measures outlined above would remain in place until a 'Warnings no longer in force' notification is issued by the Environment Agency. During the recovery phase, the temporary, high-volume pumps will be deployed in combination with the underpass surface water pumping station to drain the underpass of flood waters. Following this, the AMT will clear the carriageway and an assessment will be made as to whether the underpass can safely be re-opened to traffic.</li> <li>The underpass pumping station would have high volume alarms to alert the NERCC to pump failure, which would trigger the above closure responses, if required. This would provide a last chance warning of flooding of the underpass.</li> <li>The plan would be under the ownership of Highways England with a review every 3 years.</li> </ul>
443	11.6.36	The flood defences at Albert Dock have been upgraded by the Environment Agency in 2015 which provides a 1 in 100 to 1 in 200-year standard of protection. Furthermore, there are current proposals to upgrade remaining	The flood defences at Albert Dock have been upgraded by the Environment Agency in 2015 which provides a 1 in 100 to 1 in 200-year standard of protection. Furthermore, the Humber Hull Frontages <sup>4</sup> defence upgrade scheme is currently



Page	Paragraph/	Published text	Correction
	Table	sections of the Humber North Bank flood defences as part of the £42m Humber Hull Frontages projects. The standard of protection of the Scheme would be for a return period of 1 in 200 years with an allowance for climate change to the 2040s. The remaining climate change allowance would be accounted for with a 'managed adaptive approach' which would allow for easier upgrading of the defences in the future. Further details will be provided in line with Volume 3, Appendix 11.9 Additional flood risk information requirements.	under construction and scheduled for completion in 2021. The standard of protection of the Scheme would be increased to a return period of 1 in 200 years with an allowance for climate change to the 2040s. The remaining climate change allowance would be accounted for with a 'managed adaptive approach' which would allow for easier upgrading of the defences in the future. Further details are provided in line with Volume 3, Appendix 11.2 Flood risk assessment.
455	Table 11.15: Significanc e of potential residual impacts on surface water features during constructio n	n/a	Amend Table 11.15 row "Changes in flood flow routes due to alteration of ground elevations and construction of structures" as below. (New text in red).
486	11.7.68	A summary of the impacts is provided in Table 11.16 for scenarios with the greatest impact for a given flooding source. The magnitude of the impact is defined in Table 11.2 and significance in Table 11.3. Climate change impacts are discussed in Section 11.8.	A summary of the impacts is provided in Table 11.18 for scenarios with the greatest impact for a given flooding source. The magnitude of the impact is defined in Table 11.2 and significance in Table 11.3. Climate change impacts are discussed in Section 11.8. Furthermore, the spatial pattern and magnitude of impact is dependent on the inclusion or exclusion of the central vertical concrete barrier (VCB) along the mainline within the Scheme. Table 11.18 presents a summary of impacts for both scenarios, i.e. VCB included in the Scheme and VCB excluded from the Scheme. The assessment provided in the paragraphs below is based on scenarios with the VCB included.
487	Table 11.18 Summary of magnitude of peak	n/a	Replace Table 11.18 with revised Table 11.18 below.
489	11.7.70	Flooding to the Scheme from a 1 in 200- year return period wave overtopping	During a 1 in 200-year return period wave overtopping event from the Humber



Page	Paragraph/ Table	Published text	Correction
		event from the Humber is predicted to reach the periphery of the Scheme study area, which would result in some increased flooding in Queen's Gardens resulting in an impact of moderate adverse magnitude (Table 11.18).	flooding is predicted to reach the Scheme area and flood the A63 carriageway east of Mytongate Junction as well as flooding the underpass itself. Areas to the north and south of the eastern extent of the Scheme as well as Queen's Gardens and Kingston Retail Park would have increased flooding resulting in an impact of major adverse magnitude (Table 11.18).
490	11.7.71	Conversely to the above, the Scheme decreases maximum predicted flood depths within the boundary of the Scheme Site resulting in an impact of minor beneficial magnitude (Table 11.18).	Conversely to the above, the Scheme decreases maximum predicted flood depths within the boundary of the Scheme Site as well as in areas to the north of Mytongate Junction resulting in an impact of major beneficial magnitude (Table 11.18).
490	11.7.72	Flooding from a wave overtopping event from the Humber for a 1 in 1000-year event is predicted to extend north of the Scheme Site beyond Hull Royal Infirmary and to flood the proposed underpass. Under this scenario, predicted maximum flood depths in the underpass structure and westbound exit slip road are 6m and 2.05m respectively; an impact of major adverse magnitude (Table 11.18). There is a predicted increase in flood depth in the Kingston Retail Park car park under the Scheme scenario of 0.40m; an impact of minor adverse magnitude (Table 11.18). The proposed underpass would prevent some flood water extending northwards past Mytongate Junction resulting in a decrease in predicted flood depth by up to 0.1m in the area between Anlaby Road and Castle Street; an impact of moderate beneficial magnitude (Table 11.18). Impacts of minor beneficial magnitude also occur within the Scheme Site Boundary (not including the underpass and westbound exit slip road) due to an increase in ground levels. Impacts of minor beneficial magnitude also occur in areas to the north-west of St Stephen's Shopping Centre.	Flooding from a wave overtopping event from the Humber for a 1 in 1000-year event is predicted to extend north of the Scheme Site beyond Hull Royal Infirmary and to flood the proposed underpass. Under this scenario, predicted maximum flood depths in the underpass structure and westbound exit slip road are 5.8m and 2.05m respectively; an impact of major adverse magnitude (Error! Reference source not found.). There is a predicted increase in flood depth in the Kingston Retail Park car park under the Scheme scenario of 0.30m; an impact of major adverse magnitude (Error! Reference source not found.). Increases in flood depth of a major adverse magnitude are also present south of the Scheme to the west of the underpass (around Waverley Street and Kingston Retail Park) and moderate to major adverse magnitude to the south of the eastern extent of the Scheme (around Blanket Row and Blackfriargate). The proposed underpass would prevent some flood water extending northwards past Mytongate Junction resulting in a decrease in predicted flood depth by up to 0.2m in the area around Myton Street; an impact of major beneficial magnitude also occur within the Scheme Site Boundary (not including the underpass and westbound exit slip road) due to an increase in ground levels. Impacts of major beneficial magnitude also occur in areas to the of the Scheme including



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			Princes Dock, Market Place and the surrounding streets.
490	11.7.73	Tidal flooding of the Scheme from the River Hull could occur in the event of the Hull Tidal Surge Barrier failing to close. This is unlikely as it incorporates a system to automatically close the barrier in the event of a power failure. However, if the barrier failed to close, under a 1 in 200-year event the underpass structure would be flooded to a predicted maximum depth of 3.4m and the westbound diverging slip road would be flooded to a maximum depth of 0.65m; both impacts of major adverse magnitude (Error! Reference source not found.). Consequently, the presence of the underpass has the effect of preventing flood flows reaching the area north and west of Mytongate Junction, particularly around the Junction of Ferensway and Anlaby Road as well as the area south of Mytongate Junction (Kingston Retail Park car park and Trinity Burial Grounds) removing flood waters in both of these locations, resulting in an impact of moderate beneficial magnitude (Error! Reference source not found.). There would be a predicted increase in maximum flood depths in the Humber and Railways Docks resulting in an impact of minor adverse magnitude (Error! Reference source not found.). Consequently, flood flows are diverted towards the Princes Quay water body; with a predicted maximum flood depth of 0.60m in the water body; an impact of moderate adverse magnitude (Error! Reference source not found.).	Tidal flooding of the Scheme from the River Hull could occur in the event of the Hull Tidal Surge Barrier failing to close. This is unlikely as it incorporates a system to automatically close the barrier in the event of a power failure. However, if the barrier failed to close, under a 1 in 200- year event the underpass structure would be flooded to a predicted maximum depth of 3.4m and the westbound diverging slip road would be flooded to a maximum depth of 0.65m; both impacts of major adverse magnitude ( <b>Error! Reference source not found</b> .). Consequently, the presence of the underpass has the effect of preventing flood flows reaching the area north and west of Mytongate Junction, particularly around the Junction of Ferensway and Anlaby Road as well as the area south of Mytongate Junction (Kingston Retail Park car park and Trinity Burial Grounds) removing flood waters in both of these locations, resulting in an impact of major beneficial magnitude ( <b>Error! Reference source not found</b> .). There would be a predicted increase in maximum flood depths in Princes Dock resulting in an impact of major adverse magnitude although levels in the Humber and Railway Docks would be reduced resulting in an impact of major beneficial magnitude ( <b>Error! Reference source not found</b> .). Streets to the north and south of the eastern Scheme extent would see flood depth increases ranging from moderate to major adverse magnitude.
490	11.7.74	The predicted impact of the Scheme on tidal flooding from the River Hull under a 1 in 1000-year event with the Hull Tidal Surge Barrier failing to close results in the same impact magnitudes as described above for the 1 in 200-year event. The more extensive flooding (greater predicted flood depths) in this event result in the flooding of Humber and Railway docks, with an increase in predicted flood depth of 1.03m under the Scheme scenario; an impact of major adverse magnitude ( <b>Error! Reference</b> <b>source not found.</b> ). Under this scenario, the proposed underpass is	The predicted impact of the Scheme on tidal flooding from the River Hull under a 1 in 1000-year event with the Hull Tidal Surge Barrier failing to close results is similar to that described above for the 1 in 200-year event. Impacts of moderate and major adverse magnitude are predicted in areas to the south-east and south-west of the underpass respectively ( <b>Error!</b> <b>Reference source not found.</b> ). Under this scenario, the proposed underpass is completely flooded with flood waters beginning to extend westwards along the A63. However, the extent of beneficial effects is greater in areas to the north of



Page	Paragraph/ Table	Published text	Correction
		completely flooded with flood waters beginning to extend westwards along the A63. However, the extent of beneficial effects is greater south of the existing A63, in Kingston Retail Park and areas to the north of the A63 around St Luke's Street and Osborne Street resulting in an impact of moderate beneficial magnitude.	the A63 around St Luke's Street and Osbourne Street resulting in an impact of major beneficial magnitude. Under this scenario, there is no beneficial impact at Humber Dock Marina. The magnitude of the adverse impact is reduced to moderate adverse at Princes Dock compared to large adverse for the 1 in 200-year event.
495	Table 11.20: Significanc e of potential residual impacts on surface water features during operation	n/a	Amend Table 11.20 row "Alteration of flood flow routes due to the changes in ground levels and construction of structures" as below. (New text in red).
503	11.8.1	<ul> <li>Conversely, the impact of climate change on rising sea levels and wave height has significant effects on the flooding in Hull. Sea levels are predicted to increase by 1.125m between 2011 and 2125 and wave heights are expected to increase by 10%. When incorporating climate change impacts into the flood risk predictions for the 1 in 200-year return period wave overtopping from the Humber Estuary, the area of the flooding extends well beyond the boundaries of the Scheme Site reaching depths of up to 1.20m in the study area.</li> </ul>	<ul> <li>Conversely, the impact of climate change on rising sea levels and wave height has significant effects on the flooding in Hull. Sea levels are predicted to increase by 1.125m between 2011 and 2115 and wave heights are expected to increase by 10%. When incorporating climate change impacts into the flood risk predictions for the 1 in 200-year return period wave overtopping from the Humber Estuary, the area of the flooding extends well beyond the boundaries of the Scheme Site reaching depths of up to 1.20m in the study area.</li> </ul>
504	11.8.1	n/a	<ul> <li>Add as follows:</li> <li>Extreme (H++)<sup>2</sup> allowances for the effects of climate change on sea level rise were considered for 'undefended' tidal flooding from the Humber Estuary. The extent of flooding and magnitude of impacts as a result of the Scheme were similar to those for the 1 in 200-year undefended tidal flooding from the Humber Estuary.</li> <li>Revised climate change allowances for mean sea level rise were released in December 2018, known as UKCP18<sup>3</sup>. Further information on</li> </ul>



Page	Paragraph/ Table	Published text	Correction
			these allowances is provided in Volume 3 Appendix 11.2 Flood Risk Assessment.
507	11.10.1	An exception to this is that alterations of ground elevations during construction would alter flood flow routes and result in potential residual impacts ranging from very large adverse in some areas to large / very large beneficial significance in other areas on the Humber floodplain.	An exception to this is that alterations of ground elevations during construction would alter flood flow routes and result in potential residual impacts ranging from very large adverse in some areas to very large beneficial significance in other areas on the Humber floodplain.
508	11.10.6	There is an existing procedure in place whereby flood alerts from the Environment Agency are issued to the Highways England Emergency Planning team who consider an appropriate response, for example, the closure of the underpass. This response would be implemented by the local emergency services. This procedure has been updated and amended to reflect the particular requirements of flooding of the underpass. The revised procedure was written in consultation with relevant stakeholders including Highways England, the emergency services and the Humber Local Resilience Forum.	There is an existing procedure in place whereby flood alerts from the Environment Agency are issued to the Highways England Emergency Planning team who consider an appropriate response, for example, the closure of the underpass. This response would be implemented by the Area Maintenance Team on behalf of Highways England. This procedure has been updated and amended to reflect the particular requirements of flooding of the underpass. The revised procedure was written in consultation with relevant stakeholders including Highways England, the emergency services and the Humber Local Resilience Forum. These revised procedures, known as the Flood Emergency and Evacuation Plan, include measures to enable the safe and rapid physical closure of the underpass in the event of a minimal or no warning flood event, such as a flood defence breach.
592	Table 14.8 Private property and	1A. Arco Ltd	1A. Arco Ltd
		Temporary land take at Arco Ltd (Option A):	Temporary land take at Arco Ltd (Option A):
	associated land take – predicted effects/row 2	Option A would involve the site currently held by Arco Ltd being used as a bentonite farm / concrete batching plant / materials treatment / jet grouting compound. In this scenario, a total of 14,407m <sup>2</sup> temporary land take is likely to be required. This is the preferred site for the compound.	Option A would involve the site currently held by Arco Ltd being used as a bentonite farm / concrete batching plant / materials treatment / jet grouting compound. In this scenario, a total of 14,409m <sup>2</sup> temporary land take is likely to be required. This is the preferred site for the compound.
592	Table 14.8 Private	Permanent land take at Arco Ltd	Permanent land take at Arco Ltd
	property and associated land take –	(Option A): If the Arco site is used, it is anticipated that there will be approximately 3,501m <sup>2</sup> of permanent	(Option A): If the Arco site is used, it is anticipated that there will be approximately 3,502m <sup>2</sup> of permanent land



Page	Paragraph/ Table	Published text	Correction
	predicted effects/row 4	land take at Arco Ltd and 1,764m <sup>2</sup> of 'permanent rights' required.	take at Arco Ltd and 1,779m <sup>2</sup> of 'permanent rights' required.
592	Table 14.8 Private property and associated land take – predicted effects/row 5	Temporary land take at Staples site (Option A): Option A: If the Arco site is used, the Staples site would experience 71m <sup>2</sup> of temporary land take and the buildings would not be demolished.	Temporary land take at Staples site (Option A): Option A: If the Arco site is used, the Staples site would experience 108m <sup>2</sup> of temporary land take and the buildings would not be demolished.
594	Table 14.8 Private property and associated land take – predicted effects/row 20	Temporary land take at the Myton Centre: Land take would be required at the Myton Centre of 3,994m <sup>2</sup> . It is proposed the site will be used as a temporary car park for contractor staff working. It will be used for the full 5-year construction period. Current land use: HCC property.	Temporary land take at the Myton Centre: Land take would be required at the Myton Centre of 4,312m <sup>2</sup> . It is proposed the site will be used as a temporary car park for contractor staff working. It will be used for the full 5-year construction period. Current land use: HCC property.
595	Table 14.8 Private property and associated land take – predicted effects/row 24	Temporary land take at Kingston Retail Park (Option A): It is anticipated that 6,737m <sup>2</sup> will be acquired for the project from the Kingston Retail Park under Option A (Arco). This would involve the loss of parking spaces impacting on retail outlets ability to trade	Temporary land take at Kingston Retail Park (Option A): It is anticipated that 6,733m <sup>2</sup> will be acquired for the project from the Kingston Retail Park under Option A (Arco). This would involve the loss of parking spaces impacting on retail outlets ability to trade
595	Table 14.8 Private property and associated land take – predicted effects/row 26	Permanent land take at Kingston Retail Park (Option A): 937m <sup>2</sup> likely to be acquired. Due to the constraints of the Scheme corridor, land-take from Kingston Retail Park is unavoidable. The Scheme footprint has been reduced as much as possible but operational and safety requirements dictate that some parking spaces would be permanently lost, potentially impacting on the ability of the retail outlets located there to trade as before.	Permanent land take at Kingston Retail Park (Option A): 822m <sup>2</sup> likely to be acquired. Due to the constraints of the Scheme corridor, land-take from Kingston Retail Park is unavoidable. The Scheme footprint has been reduced as much as possible but operational and safety requirements dictate that some parking spaces would be permanently lost, potentially impacting on the ability of the retail outlets located there to trade as before.
603	Table 14.13: Community severance – operational effects: Location	Location 10: Market Place - east / west signal controlled crossing Signal controlled crossing would be removed and replaced with an uncontrolled crossing would be removed and replaced with an uncontrolled crossing to the community facilities identified above.         The effect of increasing the journey length on severance is significant adverse. This represents no change from the significance rating in Chapter 15 Effects on all travellers.	Remove row from table.



Page	Paragraph/ Table	Published text	Correction
	10: Market Place		
608	Table 14.16: Summary of significance of effects following mitigation – permanent effects: Category: Community severance, Location 10	Location 10: Market Place east / west signalled controlled crossing Adverse significant (no change from the Chapter 15 Effects on all travellers)	Remove row from table.
609	15.1.5	Effects on NMUs and views from the road are also considered to be slight adverse during operation and slight beneficial for driver stress.	Effects on views from the road are also considered to be slight adverse during operation and slight beneficial for driver stress, whilst effects on NMUs would be neutral on balance.
631	15.7.4	To the east of Mytongate Junction, existing signalised crossings close to Humber Dock Street and at Market Place would be maintained until phase 3, whilst improvements would be made to High Street for NMUs (as detailed in 15.6.8 below) during phase 0.	To the east of Mytongate Junction, existing signalised crossings across the A63 close to Humber Dock Street and at Market Place would be maintained until phase 3, whilst improvements would be made to High Street for NMUs (as detailed in 15.6.8 below) during phase 0.
632	15.7.4	A free 'shuttle bus' service would also be provided during construction, and this would pick up and drop off NMUs at predetermined locations either side of the A63 and would also include wheelchair access facilities.	A free 'shuttle bus' service would also be provided if feasible during construction, and this would pick up and drop off NMUs at predetermined locations either side of the A63 and would also include wheelchair access facilities.
632	15.7.6	<ul> <li>A combined footway and cycleway would be provided on both sides of the A63, along its length. This is shown on Volume 2, Figure 15.2. The shared facility would generally be 3m wide, however there are some locations where space is restricted and the width would be reduced to a minimum of 2m as follows:</li> <li>between Castle Buildings and Princes Quay car park on the north side of the A63 for approximately 55m</li> </ul>	A combined footway and cycleway would be provided to the north of the A63, to sections of the A63 to the south and the footway would also be improved. This is shown on Volume 2, Figure 15.2. The shared facility would generally be 3m wide, however there are some locations where space is restricted and the width may be reduced to a minimum of 2m. These areas are subject to agreements between the Applicant, local landowners and Hull City Council. The sections are as follows: • the connection between Princes Quay Bridge along Princes Dock Street which



Page	Paragraph/ Table	Published text	Correction
		<ul> <li>in front of Warehouse No. 6 (Ask restaurant) on the north side of the A63 for approximately 25m</li> </ul>	runs from behind Warehouse No. 6 (Ask restaurant) to the A63 for approximately 25m
		<ul> <li>in front of Humber Dock Marina, Holiday Inn and Trinity Burial Ground on the south side of the A63 for approximately 400m</li> </ul>	<ul> <li>the short diversion route through the Princes Quay Bridge public realm area which provides two alternative routes for both cyclists and pedestrians</li> </ul>
		<ul> <li>adjacent to Kingston Retail Park and in front of Arco on the south side of the A63 for approximately 450m</li> </ul>	<ul> <li>the route along Blackfriargate</li> </ul>
633	15.7.8	The existing signalised pedestrian crossings at Market Place would be removed and pedestrians and cyclists would use a ramp from the A63 to access High Street to take them under the A63. The ramp would be realigned and the visibility for NMUs would be further improved by removing existing dense vegetation. On the south side of the A63, pedestrians and cyclists would be routed along Blackfriargate. This would also be improved for NMUs with a new combined footway and cycleway with vegetation clearance to improve visibility. Users would re-join the A63 either via Queen Street or by continuing along Blanket Row and Humber Dock Street.	The existing signalised pedestrian crossings at Market Place would be retained to allow for east/west movements but would be moved very slightly to the north on the eastbound slip to Market Place. The signalised crossing across the A63 for north/south movements at Market Place would be removed and instead, pedestrians and cyclists would use a ramp from the A63 to access High Street to take them under the A63. The ramp would be realigned and the visibility for NMUs would be further improved by removing existing dense vegetation. On the south side of the A63, pedestrians and cyclists would be routed along Blackfriargate. This would also be improved for NMUs with a new combined footway and cycleway with vegetation clearance to improve visibility. Pedestrian and cyclists would re-join the A63 via the retained Queen Street signalised crossing.
633	15.7.9	It would also be possible for NMUs to cross other side roads, as is the case at present. With the exception of Mytongate Junction, crossings of side roads would be uncontrolled. Casual crossing of the A63 by NMUs would be prevented by a barrier within the central reservation and provision of pedestrian guard rail in footways or nearside verges at high-risk locations.	It would also be possible for NMUs to cross other side roads, as is the case at present. With the exception of Mytongate Junction, Market Place and Queen Street, crossings of side roads would be uncontrolled. Casual crossing of the A63 by NMUs would be prevented by a barrier within the central reservation and provision of pedestrian guard rail in footways or nearside verges at high-risk locations.
642	Table 15.10: Constructio n stage impacts for motorised users (drivers	The majority of the works at Market Place would be completed during phases 1 and 3 of the construction period. Market Place would remain open for the duration of the construction period. During this period, additional driver frustration would be expected for vehicle travellers using this junction, due	The majority of the works at Market Place would be completed during phases 1 and 3 of the construction period. Market Place would remain open for the duration of the construction period. During this period, additional driver frustration would be expected for vehicle travellers using this junction, due to the presence of traffic



Page	Paragraph/ Table	Published text	Correction
	stress): Market Place/Frust ration	to the presence of traffic management and likely congestion. This would reduce to pre-construction levels for the remainder of the construction period, when works would be concentrated on the A63.	management and likely congestion. This would reduce to pre-construction levels for the remainder of the construction period, when works would be concentrated on the A63. The change in speed limit at Market Place would slightly increase frustration for motorises until they familiarise themselves with this permanent change.
642	Table 15.10: Constructio n stage impacts for motorised users (drivers stress): Market Place/Fear of potential accidents	The existing NMU crossing points would be removed during phase 1 of construction. This may result on a low level increase in fear of potential accidents until motorists and NMUs become accustomed to the new crossing.	The existing NMU crossing points from east to west across Market Place would be retained however the crossing over the A63 would be removed and there may be some temporary diversions put in place alongside the A63 during construction, which may result in a low level increase in fear of potential accidents until motorists and NMUs become accustomed to the change in conditions. The change in speed limit would reduce adverse effects for NMUs and motorists and this would become the permanent solution.
643	Table 15.10: Constructio n stage impacts for motorised users (drivers stress): Queen Street/Frust ration	Queen Street would remain open for the duration of the construction period, although traffic management would be in place during phase 1 to enable the amendments to pedestrian crossings and slip-roads in this location. During this period, driver frustration would be expected for vehicle travellers, due to the presence of traffic management and likely congestion. For the remainder of construction, traffic management would be in place due to ongoing construction on the main A63 carriageway, which would result in reduced levels of driver frustration.	Queen Street would remain open for the duration of the construction period, although traffic management would be in place during phase 1 to enable the amendments to pedestrian crossings and slip-roads in this location. During this period, driver frustration would be expected for vehicle travellers, due to the presence of traffic management and likely congestion. For the remainder of construction, traffic management would be in place due to ongoing construction on the main A63 carriageway, which would result in reduced levels of driver frustration. The change in speed limit at Queen Street would slightly increase frustration for motorises until they familiarise themselves with this permanent change.
643	Table 15.10: Constructio n stage impacts for motorised users (drivers stress): Queen Street/Fear	The existing NMU crossing points would be removed during phase 1 of construction. This may result in a low- level increase in fear of potential accidents until motorists and NMUs become accustomed to the new crossing.	The existing NMU crossing points from east to west across Queen Street would be retained, however the crossing over the A63 would be removed and there may be some temporary diversions put in place alongside the A63 during construction, which may result in a low level increase in fear of potential accidents until motorists and NMUs become accustomed to the change in conditions. The change in speed limit would reduce adverse effects for NMUs



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	of potential accidents		and motorists and this would become the permanent solution.
645	15.8.8	Mitigation such as the provision of a free 'shuttle bus' and signed diversion routes would minimise effects for NMUs.	Mitigation such as the provision of a free 'shuttle bus' if feasible and signed diversion routes would minimise effects for NMUs.
647	Table 15.11: Constructio n stage (temporary) effects for the main NMU journeys: Location 8/Comment ary	The crossing adjacent to Humber Dock Street is anticipated to remain open for the first 2 phases of construction, which would ensure that journey times are unaffected. During phase 3 the signal controlled crossings at Humber Dock Street and Market Place are anticipated to be closed, and NMUs diverted towards the underpass at High Street, which would result in a temporary significant effect due to journey time increases.	The crossing adjacent to Humber Dock Street is anticipated to remain open for the first 2 phases of construction, which would ensure that journey times are unaffected. During phase 3 the signal controlled crossings at Humber Dock Street and Market Place across the A63 are anticipated to be closed, and NMUs diverted towards the underpass at High Street, which would result in a temporary significant effect due to journey time increases.
647	Table 15.11: Constructio n stage (temporary) effects for the main NMU journeys: Location 10/Comme ntary	During the first two phases on construction, access across the Market Place junction for NMUs would be maintained by use of the existing pedestrian crossing. Works to upgrade the High Street underpass, with the provision of a new NMU access route linking the Market Place junction with the High Street underpass, would be undertaken during this period. Once these upgrades are in place, the signalised crossing over Market Place would be closed. For NMUs, the change during construction would be adverse not significant at worst for the first 3 months. For the rest of the construction period, the arrangement would be the permanent solution, and the effects upon NMUs are therefore considered within the operational assessment.	Access across the Market Place junction for NMUs would be maintained by use of the existing pedestrian crossing for the majority of construction. Some short diversions do have the potential to be required for a temporary period as the signalised crossing on the eastbound slip to Market Place would be moved very slightly, which could result in some minor journey length and time increases.
647	Table 15.11: Constructio n stage (temporary) effects for the main NMU journeys: Location 11/Comme ntary	As with the Market Place crossing, during the first two phases on construction, access across the Queen Street junction is anticipated to be maintained by use of the existing pedestrian crossing, Once upgrades to the High Street, as well as the provision of a new combined footway/cycleway along Blackfriargate are in place, the signalised crossing over Queen Street would be closed. The change during construction would be adverse not significant at worst for the first three months. For the rest of the construction	As with the Market Place crossing, access across the Queen Street junction is anticipated to be maintained for the majority of construction. Some short diversions do have the potential to be required for a temporary period which could result in some minor journey length and time increases.



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		period, the arrangement would be the permanent solution.	
655	15.8.24	To the south and west of the A63 Castle Street, driver stress would be moderate with or without the Scheme. This is with the exception of Daltry Street, where in part driver stress would be high with or without the Scheme, and also for Commercial Road where driver stress is predicted to be high with the Scheme for a portion of the road, but moderate without the Scheme. In addition, there would be a slight increase in traffic flows for roads to the southern extents of the Scheme, with the Scheme in place and also a decrease in average speeds during peak times, along roads including Daltry Street, Commercial Road, High Street, Kingston Street and Queen Street, which would cause an increase in driver frustration. Conversely, there would also be traffic flow decreases and also average speed increases with the Scheme in place along Jackson Street, English Street, which would see an improvement in driver frustration.	To the south and west of the A63 Castle Street, driver stress would be moderate with or without the Scheme. This is with the exception of Daltry Street, where in part driver stress would be high with or without the Scheme, and also for Commercial Road where driver stress is predicted to be high with the Scheme for a portion of the road, but moderate without the Scheme. In addition, there would be a slight increase in traffic flows for roads to the southern extents of the Scheme, with the Scheme in place and also a decrease in average speeds during peak times, along roads including Daltry Street, Commercial Road, High Street, Kingston Street and Queen Street, which would cause an increase in driver frustration. The permanent change in speed limit along Queen Street would result in a slight increase in driver frustration for motorists, but equally would reduce the fear of potential accidents for motorists and NMUs with a slight improvement in safety. Conversely, there would also be traffic flow decreases and also average speed increases with the Scheme in place along Jackson Street, English Street and Neptune Street and Daltry Street, which would see an improvement in driver frustration.
655	15.8.25	To the north of the A63 Castle Street, driver stress experienced by vehicle travellers would again largely be moderate with or without the Scheme, although driver stress would be high along Anlaby Road and Rawling Way. Driver stress is predicted to increase from moderate to high along Market Place due to flow increases and average speed decreases during peak hours. This could be due to the Dagger Lane, Fish Street and Vicar Lane/A63 connections being stopped up with the Scheme in place, diverting a greater proportion of traffic along Market Place. Driver stress would decrease along these roads with the Scheme in place with traffic no longer using these roads from the A63. A decrease in driver frustration is predicted along Anlaby	To the north of the A63 Castle Street, driver stress experienced by vehicle travellers would again largely be moderate with or without the Scheme, although driver stress would be high along Anlaby Road and Rawling Way. Driver stress is predicted to increase from moderate to high along Market Place due to flow increases and average speed decreases during peak hours. This could be due to the Dagger Lane, Fish Street and Vicar Lane/A63 connections being stopped up with the Scheme in place, diverting a greater proportion of traffic along Market Place. The permanent change in speed limit at Market Place would result in a slight increase in driver frustration for motorists, but equally would reduce the fear of potential accidents for motorists and NMUs with a slight improvement in safety. Driver stress would decrease along these roads with



Page	Paragraph/ Table	Published text	Correction
		Road, Rawling Way, Walker Street, Porter Street and Osborne Street.	the Scheme in place with traffic no longer using these roads from the A63. A decrease in driver frustration is predicted along Anlaby Road, Rawling Way, Walker Street, Porter Street and Osborne Street.
656	15.8.25	To the north of the A63 Castle Street, driver stress experienced by vehicle travellers would again largely be moderate with or without the Scheme, although driver stress would be high along Anlaby Road and Rawling Way. Driver stress is predicted to increase from moderate to high along Market Place due to flow increases and average speed decreases during peak hours. This could be due to the Dagger Lane, Fish Street and Vicar Lane / A63 connections being stopped up with the Scheme in place, diverting a greater proportion of traffic along Market Place. Driver stress would decrease along these roads with the Scheme in place with traffic no longer using these roads from the A63. A decrease in driver frustration is predicted along Anlaby Road, Rawling Way, Walker Street, Porter Street and Osborne Street.	To the north of the A63 Castle Street, driver stress experienced by vehicle travellers would again largely be moderate with or without the Scheme, although driver stress would be high along Anlaby Road and Rawling Way. Driver stress is predicted to increase from moderate to high along Market Place due to flow increases and average speed decreases during peak hours. This could be due to the Dagger Lane, Fish Street and Vicar Lane / A63 connections being stopped up with the Scheme in place, diverting a greater proportion of traffic along Market Place. The permanent change in speed limit at Market Place would result in a slight increase in driver frustration for motorists, but equally would reduce the fear of potential accidents for motorists and NMUs with a slight improvement in safety. Driver stress would decrease along these roads with the Scheme in place with traffic no longer using these roads from the A63. A decrease in driver frustration is predicted along Anlaby Road, Rawling Way, Walker Street, Porter Street and Osborne Street.
656	15.8.32	Significant adverse effects would be experienced in four locations and not Significant adverse effects have been assessed in 10 locations, predominantly due to journey length and time increases and also increases in traffic flows reducing amenity. These effects would be partially offset through the provision of upgraded NMU infrastructure, such as the combined footway and cycleway and new NMU crossings. Eight NMU routes within the study area would experience no change. Beneficial effects would also be experienced for thirteen of the 36 NMU amenities identified within the Scheme study area; where there would either be a reduction or removal in traffic where NMUs are also present, and where new facilities would be provided as part of the Scheme. As a result, overall effects are considered to be adverse for NMUs,	Significant adverse effects would be experienced in two locations and not significant adverse effects have been assessed in 10 locations, predominantly due to journey length and time increases and also increases in traffic flows reducing amenity. These effects would be partially offset through the provision of upgraded NMU infrastructure, such as the combined footway and cycleway and new NMU crossings. Ten NMU routes within the study area would experience a neutral effect as a result of the scheme. Beneficial significant effects would be experienced at one location and beneficial not significant effects for 13 of the 36 NMU amenities identified within the Scheme study area; where there would either be a reduction or removal in traffic where NMUs are also present, and where new facilities would be provided as part of the Scheme.



Page	Paragraph/ Table	Published text	Correction
		these effects are considered to be not significant.	As a result, overall effects are considered to be neutral for NMUs, weighing up adverse effects relating to journey length and time increases, both beneficial and adverse effects on amenity and the general improvement in NMU facilities as a result of the scheme. These effects are considered to be not significant.
657	Table 15.13: Permanent impacts of the Scheme on NMUs: Location 1/Comment ary	The provision of a combined footway and cycleway for the full length of the Scheme to the north of the A63, and footway to the south, would be considered beneficial for NMUs, as the new pavement has potential to improve journey quality.	The provision of a combined footway and cycleway for the full length of the Scheme to the north of the A63, along sections of the A63 to the south and improved footways would be considered beneficial for NMUs, as the new pavement has potential to improve journey quality.
660	Table 15.13: Permanent impacts of the Scheme on NMUs: Location 10/Change in facilities	Signal controlled crossing would be removed and replaced with an uncontrolled crossing.	Signal controlled crossing would be retained for east/west movements.
660	Table 15.13: Permanent impacts of the Scheme on NMUs: Location 10/Comme ntary	The removal of the controlled crossings for east/west movement on Market Place would result in a degradation of the existing facilities, leading to an adverse impact for all NMUs and a Significant reduction in amenity. NMUs would be forced to wait for a break in traffic flows from vehicles passing on and off the A63 to Market Place, where increases are predicted for traffic travelling northbound along Market Place. This places NMUs in greater direct conflict with vehicle traffic, which would be substantially worse for vulnerable users such as the visually impaired and those with mobility constraints. However, the design of the slip roads (including sight lines) in this location, coupled with the predicted traffic flow changes have been thoroughly assessed from a road safety perspective, and it has been confirmed that removing the crossing at this location would not result in an increased safety risk for NMUs. As a result, whilst adverse impacts are predicted due to the loss of the facility and increased	The retention of the controlled crossings for east/west movement on Market Place would ensure no changes in journey length and no degradation in facilities. There is potential for traffic flow increases for northbound traffic along Market Place which could result in adverse impacts on NMU amenity, however the permanent change in speed limit would result in beneficial impacts on amenity. On balance a neutral effect is predicted at this location for NMUs.



Page	Paragraph/ Table	Published text	Correction
		inconvenience for NMUs, the change with the Scheme in place is considered to be acceptable from a safety perspective.	
661	Table 15.13: Permanent impacts of the Scheme on NMUs: Location 11/Change in facilities	Signal controlled crossing would be removed and replaced with an uncontrolled crossing.	Signal controlled crossing would be retained for east/west movements.
661	Table 15.13: Permanent impacts of the Scheme on NMUs: Location 11/Comme ntary	The removal of the controlled crossing for east/west movement on Queen Street and replacement with an uncontrolled crossing would result in a degradation of the existing NMU facilities and a Significant reduction in amenity for NMUs. Following completion of works NMUs would be required to cross two single carriageway roads, with increases in traffic traveling westbound on to the A63 from Queen Street.	The retention of the controlled crossings for east/west movement on Queen Street would ensure no changes in journey length and no degradation in facilities. There is potential for traffic flow increases for northbound traffic along Market Place which could result in adverse impacts on NMU amenity, however the permanent change in speed limit would result in beneficial impacts on amenity. On balance a neutral effect is predicted at this location for NMUs.
661	Table 15.13: Permanent impacts of the Scheme on NMUs: Location 11/Impact	Adverse significant	Neutral
663	Table 15.13: Permanent impacts of the Scheme on NMUs: Location 19/Change in facilities	No access between the A63 and Humber Dock Street. Combined cycleway and footway provided along the A63 (3m wide here). Ramped access to Princes Quay Bridge also provided in this location.	No access between the A63 and Humber Dock Street. Combined cycleway and footway provided along the A63 to the east (3m wide here). Ramped access to Princes Quay Bridge also provided in this location.
663	Table 15.13: Permanent impacts of the Scheme on NMUs: Location	The combined footway and cycleway along the A63 would be continued in this location.	The combined footway and cycleway along the A63 to the east would be continued in this location.



Page	Paragraph/ Table	Published text	Correction
	19/Comme ntary		
667	15.8.35	The Market Place crossing would be closed for NMUs with the implementation of the Scheme.	The Market Place crossing of the A63 would be removed for NMUs with the implementation of the Scheme, although the signalised crossing for east/west movements would be retained here and also at Queen Street.
669	15.9.7	Once the Scheme is operational, some adverse effects would be experienced for NMUs due to the changes to amenity and increase in journey length. The removal of at grade crossings and their replacement with pedestrian, cycle and disabled user bridges would have the benefit of separating NMUs from vehicle traffic. However, this would increase journey length and inconvenience some NMUs, particularly those with mobility constraints. However, adverse effects would be partially offset through the provision of upgraded facilities such as the combined footway and cycleway on either side of the A63, new signal controlled crossings at Ferensway and Commercial Road, and the removal of vehicle traffic from some routes. These measures would be of benefit to NMUs making journeys within the study area. The overall effects are considered to be adverse at worst, and not significant.	Once the Scheme is operational, some adverse effects would be experienced for NMUs due to some changes in amenity as a result of traffic flow changes and increases in journey length and times. The removal of at grade crossings and their replacement with pedestrian, cycle and disabled user bridges would have the benefit of separating NMUs from vehicle traffic which would improve amenity for some users. However, this would increase journey length and inconvenience some NMUs, particularly those with mobility constraints. However, adverse effects would be offset through the provision of upgraded facilities such as the combined footway and cycleway on either side of the A63, new signal controlled crossings at Ferensway and Commercial Road, and the removal of vehicle traffic from some routes. These measures would be of benefit to NMUs making journeys within the study area, improving safety for example. The overall effects on NMUs are considered to be neutral and not significant.
684	Table 16.7 Significanc e of combined effects	n/a	Replace Table 16.7 with revised Table 16.7 below as discussed in comments on WQ1.10.10. (new/revised text in red).



#### ES Table 10.9: Characterisation process of ecological impacts (revised)

Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
			SI: -ve	Drainage design would ensure that adequate surface water interceptors are	Risk of accidental indirect
	Potential impacts from	Potential discharge of pollution from A63 to enter the Estuary	PO: unlikely	incorporated. Surface water	impact. Small and unlikely to be Significant
	piling into Humber Dock Marina during construction of Princes	through drainage system. Unknown impact on tidal mud and shales.	CO: indirect	Estuary. Trained marine fauna ecologists would act as	(Design must ensure no residual impact) Scheme certain to be
Humber Estuary Value: International	include noise, vibration, dust, sedimentation, groundwater contamination and silting. Potential air quality impact small % of NOx increase on existing amounts. Potential death, injury or disturbance to marine fauna during construction of Princes Quay footbridge.	<ul> <li>(Drainage design has since changed and surface water will be entering the existing Yorkshire Water system).</li> <li>Potential pollution impacts during operation from spillages in underpass due to higher drainage area.</li> <li>Potential air quality impact small % of NOx increase on existing amounts.</li> </ul>	EC: small	dock area and up to 500mquabeyond the dock gates isNoisclear of marine animals.siteThe dock gates would bereduclosed during piling to controlwatand contain silt and sedimentsignand absorb noise andopevibration from entering theProlHumber Estuary.ImpA soft start-up of machineryImpbirds or mammals present inbe	insignificant in terms of air quality Noise levels in parts of the site during operation would reduce. Water quality would not be significantly impacted during operation. Probable. Impacts to the Humber Estuary designated sites has been concluded as not significant in the HRA Screening Report for Princes Quay currently undergoing consultation.
Conservation of			SZ: not assessed		
Habitats and Species Regulations 2017			RE: not assessed		
			DU: Permanent		
			TF: N/A	the dock. Impacts from piling fully assessed in AIES. Temporary protection during construction detailed in CEMP.	



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
				Current amounts of NOx already exceed environmental standards. Very small negligible increase. Water quality would not be impacted by operational discharges and spillages as underpass drainage system would incorporate a shut-off valve and below-ground attenuation units to allow isolation and containment of contaminants.	
Trinity Burial Ground SNCI Value: County/Unitary Authority Area Hull City Council designation	Permanent loss of 36 veteran mature trees (additional 36 to facilitate disinterment) and woodland understorey. Lighting of SNCI during construction at night and light pollution from new Junction during operation.	Light pollution from new Junction during operation.	SI: -ve PO: certain CO: direct EC: large 0.7ha SZ: complete loss RE: not reversible DU: permanent TF: avoid breeding bird season	Root protection zones on remaining trees. Compensation includes replanting 55 larger native trees (>30cm diameter) close to Trinity Burial Ground. The understorey in the remaining area of Trinity Burial Ground is to include some native shrubs and plants. Lighting during construction to directed away from remaining trees.	Certain permanent loss of large area of habitat and mature trees. Significant. Certain significant permanent extra light pollution during operation.
River Hull SNCI			SI: -ve		
			PO: unlikely		



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
Mudflats to the south of Sammy's Point			CO: indirect		
SNCI			EC: v small		I Inlikely were small indirect
Value: County/Unitary	la dina at incur a sta fuena		SZ: not assessed		Unlikely, very small indirect pollution incident during
Authority Area	Indirect impacts from pollution during		RE: not assessed	Mitigation by standard pollution prevention	construction. Not significant. No impacts expected during
	construction.		DU: Permanent	measures.	operation.
Hull City Council designation			TF: N/A		
UKBAP (NERC Act 2006 S41) Priority Habitats – Value: National 'deciduous woodland' and	Trinity Burial Ground as in SNCI above.		Based on highest impacts which are to woodland habitats SI: -ve	'deciduous woodland' and broad-leaved woodland' – mitigation and compensation as in Trinity Burial Ground SNCI above.	Certain, permanent loss of large area of habitat and mature trees. Significant. Operational impacts from lighting pollution.
broad-leaved woodland' – Trinity			PO: certain		Unlikely, very small indirect
Burial Ground SNCI. 'mudflats', 'saltmarsh', 'intertidal substrate foreshore –	Indirect and direct impacts from pollution spillages during construction.		CO: direct	'mudflats', 'saltmarsh', 'intertidal substrate foreshore – mud – Mitigation by standard pollution prevention measures.	pollution incident in Construction Phase only. Not significant.



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
mud' Princes Dock; Humber Dock basin; Adjacent to site compounds at Neptune Street, Wellington Street	Humber Dock Marina would be directly		EC: large 0.7ha		Certain, direct, temporary, large, reversible impacts of noise, vibration and sediment
Island Wharf and Livingstone Road.	vibrations, and disturbance of		SZ: complete loss	No mitigation for habitats within Humber Dock Marina. The dock gates would be closed during piling to control and contain silt and sediment and absorb noise and vibration from entering the Humber Estuary.	disturbance. Significant. No adverse impacts during operation expected and no residual impacts Impacts to the Humber Estuary designated sites has been concluded as not significant in the HRA Screening Report for Princes Quay currently undergoing consultation.
'Intertidal substrate foreshore – man made – Humber		ng d	RE: not reversible		
Dock Marina; Princes Dock.			DU: permanent		
Section 41 of the NERC Act 2006			TF: avoid breeding bird season		
Scattered Amenity			SI: -ve		Certain, direct loss of the
Trees	245 amenity trees (outside of Trinity Burial		PO: certain	Compensation by 307 x native tree planting incorporated into landscape plan. Trees to be managed.	majority of trees within the Scheme Site. Would take time for compensation to
			CO: direct		
Value: Local – main			EC: not assessed		replace maturity of trees lost.
site	Ground) are to be removed to accommodate		SZ: loss		Significant. No significant operational
Hull City Council	the Scheme.		RE: reversible		
Local Biodiversity			DU: temporary TF: avoid breeding		impacts. Residual impacts – no loss of
Action Plan					trees overall, slight gain.



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
	Humber Dock Marina		SI: -ve		Certain, direct, temporary disturbance to standing water
Standing Water	would be directly impacted by piling to		PO: certain	No mitigation for habitats within Humber Dock Marina	habitat of Humber Dock
	create supports for the deck that would carry the		CO: direct	or Railway Dock during piling.	Marina. Significant.
Value: Regional – Humber Dock	proposed new Princes		EC: not assessed	The dock gates would be	Both docks - Unlikely, very small indirect pollution incident. No impacts during operation. No residual impacts. Impacts to the Humber Estuary designated sites has been concluded as not significant in the HRA Screening Report for Princes Quay currently undergoing consultation.
Marina; Railway Dock	Quay Bridge (noise, vibrations, and		SZ: disturbance	and contain silt and sediment and absorb noise and vibration from entering the Humber Estuary. All docks - Mitigation by standard pollution prevention measures.	
'regularly occurring populations of species which may	disturbance of sediments). Impacts from moving of Spurn Lightship could include additional disturbance of sediments.		RE: reversible		
be considered at an International level' (IAN 130/10)			DU: temporary		
	pollution during construction.		TF: N/A		
Ephemeral/short Perennial			SI: -ve		
Value: Local - site	Impacts from loss of vegetation during site clearance.		PO: certain	Small area of habitat to be left in each site compound. Compounds to be left to regenerate after use.loss of regen regen	Certain, direct, temporary loss of habitat which would regenerate quickly. No impacts during operation or residual impacts. Not significant.
compounds at Wellington Street			CO: direct		
Island Wharf, Livingstone Road			EC: 100%		
and Neptune Street					



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
Section 41 of the NERC Act 2006			RE: reversible		
Hull City Council Local Biodiversity			DU: temporary		
Action Plan			TF: avoid breeding bird season		
			SI: -ve	The species-poor hedgerows	
Hedgerows	Loss of 5 x species-poor intact hedgerows, four of which are not connected to the wider surrounds or act as a green corridor. One is (A63 eastbound recovery base) connected to the wider area as it runs alongside the verge of the A63.		PO: certain	present in site compound – Myton Centre is approximately 45m in length and is to be compensated with 104m length of hedgerow containing species of native hedgerow woody plants . This would be managed during operation	Temporary, certain loss of habitats that would benefit over time in Operation Phase from compensatory measures and management. Not significant.
Value: Local - site compounds at			CO: direct		
Livingstone Road, A63 eastbound recovery base and		ounds or orridor. bound onnected as it	EC: 100%		
Staples site; car park site at the Myton Centre.			SZ: loss		
Section 41 of the			RE: reversible		
NERC Act 2006			DU: temporary		
			TF: avoid breeding bird season		
Tannaatuial	Woodland in Trinity Burial		SI: -ve	Ground mitigation and large	Certain, permanent loss of
Terrestrial Invertebrates	Ground has potential to support UKBAP and Hull		PO: certain		large area of habitat and mature trees. Significant.
			CO: direct		



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
Value: Local - Trinity Burial Ground SNCI; site compounds at	BAP species. Habitat to be lost. Ephemeral/short		EC: 0.7ha of woodland; 100% of ephemeral/short perennial	compensation as in Trinity Burial Ground SNCI above.	Less habitat during operation. Certain, direct, temporary
Wellington Street Island Wharf, Livingstone Road	perennial habitat in other two compounds has potential to support		SZ: All animals in these areas	Small area of ephemeral/short perennial	loss of habitat which would regenerate quickly. No
and Neptune Street Section 41 of the NERC Act 2006 Hull City Council	UKBAP and Hull BAP species. Habitat to be lost.		RE: Not reversible (woodland) reversible (ephemeral/short perennial)	habitat to be left in each site compound. Compounds to be left to regenerate after use.	impacts during operation. Not significant.
Local Biodiversity			DU: Temporary		
Action Plan			TF: N/A		
Aquatic Invertebrates Value: National –	Potential impacts from pollution events during		SI: -ve	The dock gates would be	
Humber Estuary SSSI	construction (death or injury), disturbance from		PO: Unlikely	closed during piling to control and contain silt and sediment and absorb noise and	Lalikalı, indirast tomporarı
The Wildlife and Countryside Act 1981 as amended	piling to install Princes Quay Bridge including noise, vibration,		CO: indirect	vibration from entering the Humber Estuary.	Unlikely, indirect, temporary impacts from piling and pollution events.
(primarily by the Countryside and	disturbance of sediments.		EC: not assessed	A soft start-up of machinery to disperse any potential animals present in the dock.	No impacts during operation.
Rights of Way Act 2000)			SZ: not assessed	Full assessment of impacts is to be undertaken in the AIES.	Not significant.
Value: Local – River Hull SNCI; Mudflats	Potential impacts (death or injury) from pollution		RE: reversible		



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
to the south of Sammy's Point SNCI	events during construction.		DU: temporary	Mitigation by standard pollution prevention measures.	
Section 41 of the NERC Act 2006			TF: N/A	- measures.	
Fish (Sea and river lamprey) Value: International -			SI: -ve	Trained marine fauna ecologists would act as observers to check that the	
Humber Dock Marina; Railway Dock; site compounds at Neptune Street,	Direct impacts (injury, death or injury) to fish are	ury) to fish are	PO: probable	The dock gates would be closed during piling to control and contain silt and sediment and absorb noise and vibration from entering the Humber Estuary. A soft start-up of machinery to disperse any potential fish, birds or mammals present in	Probable direct and indirect impacts during piling. Temporary and reversible. No impacts during operation. Not significant. Impacts to the Humber Estuary designated sites has been concluded as not significant in the HRA Screening Report for Princes
Wellington Street Island Wharf and Livingstone Road;	likely during the piling works to construct Princes Quay Bridge. Indirect disturbance impacts from noise, vibration and sediment disturbance. Impacts (death, injury) from indirect pollution during construction.		CO: direct		
Conservation of Habitats and Species Regulations 2017			EC: not assessed		
Fish (European eel, salmon, sea trout) Value: Local - Humber Dock		from indirect pollution	SZ: disturbance	the dock. Full assessment of impacts undertaken in the AIES.	Quay currently undergoing consultation.
Marina; Railway Dock; site compounds at Neptune Street,			RE: reversible	Mitigation by standard pollution prevention measures.	



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
Wellington Street Island Wharf and Livingstone Road			DU: temporary		
Section 41 of the NERC Act 2006				-	
Eels (England and Wales) Regulations 2009			TF: N/A		
			SI: -ve		
Dentilee			PO: probable		
Reptiles			CO: direct		
Value: Local - site compound at the A63 eastbound recovery	Impacts from loss and		EC: 0.3ha in A63 Eastbound layby	Ecological Clerk of Works (ECoW) being present prior to vegetation clearance to	Certain temporary loss of habitat that would be
base	severance of habitats. Potential killing or injury		SZ: loss of habitat	search the area where	reinstated with no operational
	during site clearance.		RE: reversible	vegetation is to be removed first.	or residual impacts. Not significant.
			DU: temporary	Habitats to be reinstated.	significant.
			TF: avoid site clearance in hibernation season		



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
Birds Value: International - site compounds at Neptune Street, Wellington Street Island Wharf and	International - In all three site compounds, bird		SI: -ve	The erection of hoardings to block the works in the site compounds from view and reduce noise emissions. Monitoring bird surveys are	International – probable, temporary indirect impacts during construction with no impacts during operation or residual impacts expected. Not significant.
Livingstone Road Conservation of Habitats and Species Regulations 2017 Wildlife and Countryside Act	species the Humber Estuary was designated for were observed either adjacent to the site	Light pollution from new Junction during operation due to lack of trees. Lighting of Trinity Burial Ground SNCI during operation at night.	PO: probable	to be carried out at the site compounds during construction in order to record the species of birds present and the effects of any noise or sight pollution upon them. If it is found that the noise and sight levels are impacting the wading bird population, then changes can be put into place to make these levels acceptable. At site compound – Wellington Street Island Wharf, trained marine fauna	Local – Certain permanent loss of habitat in Trinity Burial Ground. Impacts from light pollution during operation. Significant. Temporary, certain loss of habitat in other site
1981 (as amended) Value: Local - Main site; Trinity Burial Ground SNCI; site compounds at land south east of Mytongate Junction, A63 eastbound			CO: indirect		compounds that would be re- instated with no operational impacts. No impacts from light pollution during operation or residual impacts. Not significant. Impacts to the Humber Estuary designated sites has
Action Action and Staples site; car park site at the Myton Centre Section 41 of the NERC Act 2006		EC: not assessed	ecologists would act as observers to check that the dock area and up to 500m beyond the dock gates is clear of marine birds. The dock gates would be closed during piling to control	been concluded as not significant in the HRA Screening Report for Princes Quay currently undergoing consultation.	



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
Hull City Council Local Biodiversity Action Plan			SZ: disturbance, loss of habitat	and contain silt and sediment and absorb noise and vibration from entering the Humber Estuary. A soft start-up of machinery to disperse any potential birds present in the dock.	
			RE: Not reversible (Trinity Burial Ground) reversible (all other sites)	Full assessment of impacts is to be undertaken in the AIES. Mitigation by standard pollution prevention measures to remove habitat outside of breeding season.	
		DU: permanent (Trinity Burial Ground) temporary (all other sites)	Habitats to be re-instated with the exception of Trinity Burial Ground. Lighting to be directed away from remaining trees during construction. Mitigation planting would		
			TF: avoid site clearance in breeding season	replace some lost habitat. Habitat enhancement would improve bird nesting and feeding opportunities.	



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
			SI: -ve	Mitigation should include that trenches should be covered at night to prevent grey seal from falling in, or trenches	
Aquatic mammalsValue: International - Humber Dock Marina; RailwayGrey seals may venture onto the site and fall in		PO: unlikely	should include an earth ramp to allow them to climb out. At night in the three site compounds, lighting should be directed away from the	Unlikely, indirect impacts during piling and construction works. Temporary and	
Dock; site compounds at Neptune Street, Wellington Street Island Wharf and	trenches causing injury or death. They could be disturbed by the lighting during construction. Disturbance during	hey could be y the lighting struction.	CO: indirect	water. Mitigation for the construction of the Princes Quay footbridge includes: Trained marine fauna	reversible. No impacts during operation or residual impacts. Not significant Impacts to the Humber Estuary designated sites has been concluded as not significant in the HRA Screening Report for Princes Quay currently undergoing consultation.
Livingstone Road Conservation of Habitats and Species Regulations 2017.	construction of Princes Quay Bridge from noise, vibration and sediment disturbance. Impacts from indirect pollution and lighting during construction.		EC: not assessed	ecologists would act as observers to check that the dock area and up to 500m beyond the dock gates is clear of marine animals.	
Wildlife and			SZ: disturbance	The dock gates would be closed during piling to control and contain silt and sediment and absorb noise and vibration from entering the	
			RE: reversible	Humber Estuary. A soft start-up of machinery to disperse any potential animals present in the dock.	



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation	
			DU: temporary	Full assessment of impacts is to be undertaken in the AIES.		
				Mitigation by standard pollution prevention measures.		
			TF: N/A	Lighting not directed on water during operation.		
Bats Pipistrelle bats Value: Local – All	Loss of potential roosts within trees and old wall in Trinity Burial Ground.		SI: -ve	Precautionary avoidance measures are to include that demolition of trees in Trinity Burial Ground SNCI would	Certain, direct, permanent loss of historic roost, potential tree roosts to be compensated for.	
areas Conservation of Habitats and Species Regulations 2017.	Small possibility of unidentified roost presence in trees in Trinity Burial Ground SNCI when felling.	Light pollution from new Junction during operation due to lack of trees.	PO: certain	be overseen by a bat licensed ECoW. Trees would be felled sectionally and sections searched by ECoW or left overnight for bats to exit before removal from site.	Certain, direct, permanent loss of foraging and commuting habitat would be partially replaced over time as it matures.	
Wildlife and Countryside Act 1981 (as amended)	Countryside Act small number of pipistrelle		CO: direct	Compensation includes the erection of bat boxes on the remaining trees in Trinity Burial Ground SNCI.	Certain, permanent extra light pollution during operation. Significant.	



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
	across Mytongate Junction. Lighting of Trinity Burial Ground SNCI during construction at night		EC: 1 disused roost, 0.7ha foraging habitat lost for small number of bats	Compensation includes that the larger native trees are to be replanted on the verges at either side of the A63 in a line extending from Trinity Burial Ground to the Myton	
			SZ: disturbance	Centre. The large height of the trees would provide habitat 'hop-overs' for bats and reduce collisions with traffic. The larger trees would also be planted in the soft	
			RE: not reversible	estate in the new Mytongate	
			DU: permanent	Lighting to be directed away from remaining trees during construction.	
			TF: outside of sensitive periods for bats	During operation, mitigation would be to use covers to direct lighting where it is needed at the ground and not directly light up linear features.	



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
			SI: -ve	Mitigation would include that trenches are to be covered at night to prevent otter from falling in, or trenches are to	
Otters Value – Local - Humber Dock Marina; Railway	Otters may venture onto		PO: unlikely	include an earth ramp to allow otter to climb out. At night in the three site compounds, lighting should be directed away from the	Unlikely, direct and indirect impacts during piling and construction works. Temporary and reversible. No impacts during operation or residual impacts. Not significant.
Dock; site compounds at Neptune Street, Wellington Street Island Wharf and	the site and fall in trenches. Disturbance during construction of Princes		CO: indirect	water. Mitigation for the construction of the Princes Quay Bridge includes: Trained marine fauna ecologists would act as observers to check that the dock area and up to 500m beyond the dock gates is clear of marine animals.	
Livingstone Road Conservation of Habitats and Species	Quay Bridge from noise, vibration and sediment disturbance. Impacts from indirect pollution and lighting		EC: not assessed		
Regulations 2017. C Wildlife and Countryside Act 1981 (as amended)	during construction.		SZ: disturbance	The dock gates would be closed during piling to control and contain silt and sediment and absorb noise and vibration from entering the	
			RE: reversible	Humber Estuary. A soft start-up of machinery to disperse any potential animals present in the dock.	



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
			DU: temporary	Full assessment of impacts is to be undertaken in the AIES. Mitigation by standard pollution prevention	
			TF: N/A	measures. Lighting not directed on water during operation.	
			SI: -ve		
	Woodland to be		PO: probable	-	
			CO: direct		
Hedgehogs Value: Local – Terrestrial areas Section 41 of the	permanently lost in Trinity Burial Ground SNCI has potential to support hedgehogs. Habitats elsewhere to be		EC: 0.7ha of Trinity Burial Ground, not assessed rest of site	Ecological Clerk of Works (ECoW) being present prior to vegetation clearance to search the area where vegetation is to be removed first.	Certain, temporary loss of habitat that would be re- instated with no operational or residual impacts with the exception of permanent loss
NERC Act 2006	temporarily lost. Impacts to individuals during vegetation		SZ: disturbance, loss of habitat	Habitats to be re-instated with the exception of Trinity	of part of Trinity Burial Ground. Potentially significant.
	clearance.		RE: not reversible	Burial Ground SNCI.	
			DU: permanent		
			TF: N/A		
Invasive species	Legal impact of allowing these species to spread.		SI: N/A	Cotoneaster plants are to be removed and the arisings	Probable, direct legal impact of spreading these species to



Resource	Proposed activity, biophysical change, related to receptor structure and function (impact) during construction	Proposed activity, biophysical change, related to receptor structure and function (impact) during operation	Characterisation of impact	Mitigation proposals	Summary of characterisation
Schedule 9 of the Wildlife and Countryside Act			PO: probable	and topsoil in these areas to be treated as controlled waste. To be disposed of at a	be mitigated fully and no spread is predicted. Not significant.
1981 (as amended) cotoneaster (main			CO: direct	suitably licensed or permitted disposal facility.	
site – A63 and Market Place			EC: not assessed	Biosecurity method statements for both species.	
Junction and A63 and Queen Street Junction); land south			SZ: not assessed	The site is to be maintained during the Operation Phase and it is unlikely that the	
east of Mytongate Junction			RE: reversible	cotoneaster or false acacia would return after removal in the Construction Phase. Should this happen, it would be removed during	
			DU: temporary		
			TF: legal constraint	maintenance.	

Key

SI (Sign): Positive (beneficial (+ve)) or Negative (adverse (-ve))

PO (Probability of Occurring): Certain, Probable, Unlikely

CO (Complexity): Direct, Indirect, Cumulative

EC (Extent): Area measures and percentage of total (e.g. area of habitat/territory lost)

SZ (Size): Description of level of severity of influence (e.g. complete loss, number of animals affected)

RE (Reversibility): Reversible or Not Reversible (can the effect be reversed, whether or not this is planned)

DU (Duration): Permanent (P) or Temporary (T) in ecological terms. Where differing timescales are determined in relation to the life cycle of the receptor, these should be defined.

TF (Timing and frequency): Important seasonal and/or life cycle constraints and any relationship with frequency considered.



### ES Table 11.15: Significance of potential residual impacts on surface water features during construction (amend row)

Potential impact	Feature	Attribute	Quality	Importance	Mitigation	Magnitude of impact	Significance
Changes in flood flow routes due to alteration of ground elevations and construction of structures	Humber Floodplain	Conveyance of flow	Properties within floodplain	Very high	OEMP and Flood Emergency Plan (FEP) to include emergency procedures to evacuate Scheme in the event of extreme flooding. Temporary pumping arrangements within OEMP to discharge flood waters to sewer or surface waters subject to consent, only compliant water to be discharged to Humber Estuary, non-compliant water collected and discharged off site.	Moderate-Major beneficial to Major adverse – depending on the location, source and scale of the flooding in relation to the Scheme area. Refer to <b>Error! Reference</b> <b>source not found.</b> and explanatory text for further details.	Large / Very Large beneficial to Very Large adverse



## ES Table 11.18: Summary of magnitude of peak impact from selected sources and scenarios from the FRA (replaced)

Flooding source	Scenario	Areas of adverse impact \ magnitude	Areas of beneficial impact \ magnitude
Pluvial (VCB In) Figure 13.3	A 1 in 100-year return period event with 30% increase in rainfall intensity for climate change impacts	No change in flood depths across Scheme and study area - <b>neutral</b>	No change in flood depths across Scheme and study area - <b>neutral</b>
Pluvial (VCB Out) Figure 13.73		No change in flood depths across Scheme and study area - <b>neutral</b>	No change in flood depths across Scheme and study area - <b>neutral</b>
Tidal – Humber Wave Overtopping (VCB In) Figure 13.18	A 1 in 200-year return period event	Underpass – increase of maximum flood depth of up to 5.8m – <b>major adverse</b>	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>
		Westbound diverge slip road – increase of maximum flood depth of >0.5m – <b>major</b> <b>adverse</b>	Commercial Road south of underpass and A63 carriageway east of underpass – reduction of maximum flood depths of up to 0.4m – <b>major</b> <b>beneficial</b>
		Small areas of Kingston Retail Park – increase of maximum flood depth of up to 0.2m – <b>major adverse</b>	Myton Street and Osborne Street – reduction in maximum flood depth of up to 0.4m – major beneficial
		Blanket Row, Blackfriargate, High Street and surrounding streets – increase of	Railway Dock – reduction in maximum flood depth of up to 0.10m – moderate beneficial
		maximum flood depth of up to 0.1m – moderate adverse	Edgar Street and Alfred Street – reduction in maximum flood depth of up to 0.1m – moderate beneficial
		Finkle Street and Sewer Lane and surrounding streets north of the A63 – increase of maximum depth of up to 0.3m – <b>major adverse</b>	
		Queens Gardens – increase in maximum depth of up to 0.4m – <b>major adverse</b>	
Tidal – Humber Wave Overtopping (VCB Out)		Underpass – increase of maximum flood	A63 Castle Street east of Mytongate Junction – reduction



Flooding source	Scenario	Areas of adverse impact \ magnitude	Areas of beneficial impact \ magnitude
Figure 13.82		depth of up to 5.8m – major adverse	in maximum flood depth of >0.4m – major beneficial
		Westbound diverge slip road – increase of maximum flood depth of >0.5m – major adverse	Commercial Road south of underpass and A63 carriageway east of underpass – reduction of maximum flood depths of up to 0.4m – <b>major</b> <b>beneficial</b>
		Small areas of Kingston Retail Park – increase of maximum flood depth of up to 0.2m – <b>major adverse</b>	Myton Street and Osborne Street – reduction in maximum flood depth of up to 0.4m – major beneficial
		Blackfriargate, Blanket Row and surrounding streets – increase in maximum flood depth of up to 0.10m –	Railway Dock – reduction in maximum flood depth of up to 0.10m – moderate beneficial
		moderate adverse	Edgar Street, English Street and Alfred Street – reduction in maximum flood depth of up to
		Sewer Lane – increase in maximum flood depth of up to 0.20m – <b>major adverse</b>	0.1m – moderate beneficial
		Market Place, Lowgate, Alfred Gelder Street and surrounding streets – increase in maximum flood depth of up to 0.10m – moderate adverse	
		Posterngate – increase in maximum flood depth of up to 0.3m – <b>major adverse</b>	
		Princes Quay – increase in maximum flood depth of up to 0.10m – <b>moderate</b> <b>adverse</b>	
		Queens Gardens – increase in maximum depth of up to 0.4m – <b>major adverse</b>	
Tidal – Humber Wave Overtopping (VCB In) Figure 13.21	A 1 in 1000-year return period event	Underpass – increase of maximum flood	A63 Castle Street east of Mytongate Junction – reduction



Flooding source	Scenario	Areas of adverse impact \ magnitude	Areas of beneficial impact \
		depth of up to 5.8m – major adverse	magnitude in maximum flood depth of >0.4m – major beneficial
		Westbound diverge slip road – increase of maximum flood depth of >0.5m – <b>major</b> <b>adverse</b>	Princes Quay – reduction of maximum flood depths of greater than 0.4m – <b>major beneficial</b>
		Kingston Retail Park and Waverley Street – increase of maximum flood depth of up to 0.3m – <b>major adverse</b>	A1079 Ferensway north of underpass – reduction of maximm flood depth of up to 0.66m – <b>major beneficial</b>
		Underpass – increase of maximum flood depth of up to 5.8m – <b>major adverse</b>	A1079 Ferensway, A1105 Anlaby Road and surrounding streets to the west – reduction of maximum flood depths of up to 0.1m – <b>moderate beneficial</b>
		Lister Street, English Street, Alfred Street and surrounding streets – increase in maximum flood depth	Myton Street, Osborne Street and surrounding streets – reduction in maximum flood depth of up to 0.3m – <b>major</b> <b>beneficial</b>
		of up to 0.2m – <b>major</b> adverse	Posterngate, Dagger Lane and Market Place – reduction in maximum flood depth of up to
		Jackson Street, Neptune Street, Daltry Street and Madeley Street – increase in maximum flood depth of up to 0.10m – moderate adverse	0.3m – major beneficial Queens Gardens, and northern part of Market place – reduction in maximum flood depth of up to 0.1m – moderate beneficial
		Humber Dock Marina and Railway Dock Marina – increase in maximum flood depth of up to 0.10m – moderate adverse	
		Blackfriargate and High Street surrounding streets – increase of maximum flood depth of up to 0.1m – moderate adverse	
		Blanket Row, Finkle Street, Sewer Lane and Humber Street –	



Flooding source	Scenario	Areas of adverse impact \ magnitude	Areas of beneficial impact \ magnitude
		increase in maximum flood depth of up to 0.2m – <b>major adverse</b>	
		Commercial Road, Kingston Street and Railway Street – increase in maximum flood depth of up to 0.1m – <b>moderate</b> <b>adverse</b>	
Tidal – Humber Wave Overtopping (VCB Out) Figure 13.84		Underpass – increase of maximum flood depth of up to 5.8m – <b>major adverse</b>	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>
		Westbound diverge slip road – increase of maximum flood depth of >0.5m – <b>major</b> adverse	Humber Dock Street – reduction in maximum flood depth of up to 0.3m – <b>major</b> <b>beneficial</b>
		Kingston Retail Park – increase in maximum flood depth of up to 0.2m – <b>major adverse</b>	Myton Street, trundle Street and A1079 Ferensway north of Mytongate Junction – reduction in maximum flood depth of up to 0.3m – <b>major beneficial</b>
		Lister Street – increase in maximum flood depth of up to 0.1m – <b>moderate</b> <b>adverse</b>	Osborne Street, St Luke's Street, Carr Lane, A1106 Anlaby Road and surrounding streets – reduction in maximum flood depth of up to 0.1m – <b>moderate beneficial</b>
		Queens Gardens – increase in maximum flood depth of up to 0.1m – <b>moderate</b> <b>adverse</b>	
		Blanket Row and Blackfriargate – increase in maximum flood depth of up to 0.1m – <b>moderate</b> <b>adverse</b>	
Tidal – Humber Wave Overtopping (VCB In) Figure 13.24	A 1 in 200-year return period event with consideration of climate change	Underpass – increase of maximum flood depth of up to 5.8m – major adverse	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>
		Westbound diverge slip road – increase of maximum flood depth	Osborne Street, Adelaide Street – reduction of maximum



Flooding source	Scenario	Areas of adverse impact \ magnitude	Areas of beneficial impact \ magnitude
		of >0.5m – major adverse	flood depth of up to 0.1m – moderate beneficial
		Kingston Retail Park and Waverley Street – increase of maximum flood depth of up to 0.1m – moderate adverse	A1079 Ferensway north of Mytongate Junction – reduction in maximum flood depth of up to 0.3m – <b>major beneficial</b> Princes Dock and Princes Dock Street – reduction in
		Humber Dock Marina – increase in maximum flood depth of up to 0.1m –	maximum flood depth of up to 0.3m – <b>major beneficial</b> Queen's Gardens, Guildhall
		moderate adverse	Road, Alfred Gelder Street and surrounding streets – reduction
		Porter Street and Brisbane Street – increase in maximum flood depth of up to 0.1m – moderate adverse	in maximum flood depth of up to 0.1m – <b>moderate beneficial</b>
		Kingston Street and surrounding streets – increase in maximum flood depth of up to 0.1m – moderate adverse	
		Myton Street and Roper Street – increase in maximum flood depth of up to 0.1m – <b>moderate</b> <b>adverse</b>	
Tidal – Humber Wave Overtopping (VCB Out) Figure 13.88		Underpass – increase of maximum flood depth of up to 5.8m – <b>major adverse</b>	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>
		Westbound diverge slip road – increase of maximum flood depth of >0.5m – <b>major</b> adverse	A1079 Ferensway north of Mytongate Junction, Adelaide Street and Osborne Street – reduction in maximum flood depth of up to 0.3m – <b>major</b> <b>beneficial</b>
		Kingston Retail Park – increase in maximum flood depth of up to 0.1m – <b>moderate</b> adverse	Princes Dock, princes Dock Street – reduction in maximum flood depth of up to 0.3m – major beneficial



Flooding source	Scenario	Areas of adverse impact \ magnitude	Areas of beneficial impact \ magnitude
		Myton Street and Roper Street – increase in maximum flood depth of up to 0.1m – moderate adverse	Queen's Gardens, Guildhall Road, Alfred Gelder Street, Lowgate and surrounding streets – reduction in maximum flood depth of up to 0.1m – <b>moderate beneficial</b>
		Brisbane Street and Porter Street - increase in maximum flood depth of up to 0.1m – moderate adverse	
		Humber Dock Marina, Wellington Street and Railway Street - increase in maximum flood depth of up to 0.1m – <b>moderate</b> <b>adverse</b>	
Tidal – Humber Undefended (VCB In) Figure 13.33	A 1 in 200-year return period event (without existing flood defences)	Underpass – increase of maximum flood depth of up to 5.8m – <b>major adverse</b>	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>
		Westbound diverge slip road – increase of maximum flood depth of >0.5m – <b>major</b> adverse	Myton Street, Roper Street, Osborne Street – reduction in maximum flood depth of up to 0.3m – <b>major beneficial</b>
		Kingston Retail Park – increase in maximum flood depth of up to 0.2m – <b>major adverse</b>	A1079 Ferensway, Carr Lane, West Street – reduction in maximum flood depth of up to 0.1m – <b>moderate beneficial</b>
		Lister Street, English Street and Waverley Street – increase in maximum flood depth of up to 0.1m – moderate adverse	Princes Dock, Princes Dock Street, Posterngate, Market Place and surrounding streets – reduction in maximum flood depth of up to 0.1m – moderate beneficial
		Blanket Row, Blackfriargate, Humber Street, Finkle Street and Sewer Lane - increase in maximum flood depth of up to 0.1m – moderate adverse	Dock Street, Baker Street and Francis Street – reduction in maximum flood depth of up to 0.1m – <b>moderate beneficial</b>



Flooding source	Scenario	Areas of adverse impact \ magnitude	Areas of beneficial impact \ magnitude
Tidal – Humber Undefended (VCB Out) Figure 13.91		Underpass – increase of maximum flood depth of up to 5.8m – <b>major adverse</b>	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>
		Westbound diverge slip road – increase of maximum flood depth of >0.5m – <b>major</b> adverse	Myton Street, Roper Street, Osborne Street – reduction in maximum flood depth of up to 0.3m – <b>major beneficial</b>
		Kingston Retail Park – increase of maximum flood depth of up to 0.1m – moderate adverse	A1079 Ferensway, Carr Lane, Upper Union Street and surrounding streets – reduction in maximum flood depth of up to 0.1m – <b>moderate beneficial</b>
Tidal – Humber Undefended (VCB In) Figure 13.36	A 1 in 200-year return period event with consideration of climate change (without existing flood	Underpass – increase of maximum flood depth of up to 5.8m – <b>major adverse</b>	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>
	defences)	Westbound diverge slip road – increase of maximum flood depth of >0.5m – <b>major</b> adverse	Myton Street, Roper Street, Osborne Street – reduction in maximum flood depth of up to 0.3m – <b>major beneficial</b>
		Kingston Retail Park – increase in maximum flood depth of up to 0.2m – <b>major adverse</b>	A1079 Ferensway, Carr Lane, West Street – reduction in maximum flood depth of up to 0.1m – <b>moderate beneficial</b>
		Lister Street, English Street and Waverley Street – increase in maximum flood depth of up to 0.1m – <b>moderate adverse</b>	Princes Dock, Princes Dock Street, Posterngate, Market Place and surrounding streets – reduction in maximum flood depth of up to 0.1m – moderate beneficial
		Blanket Row, Blackfriargate, Humber Street, Finkle Street and Sewer Lane - increase in maximum flood depth of up to 0.1m – moderate adverse	Dock Street, Baker Street and Norfolk Street – reduction in maximum flood depth of up to 0.1m – <b>moderate beneficial</b>
Tidal – Humber Undefended (VCB Out) Figure 13.93		Underpass – increase of maximum flood depth of up to 5.8m – major adverse	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>



Flooding source	Scenario	Areas of adverse impact \ magnitude	Areas of beneficial impact \ magnitude
		Westbound diverge slip road – increase of maximum flood depth of up >0.5m – major adverse	Myton Street, Roper Street, Osborne Street – reduction in maximum flood depth of up to 0.3m – <b>major beneficial</b>
		Kingston Retail Park – increase of maximum flood depth of up to 0.1m – moderate adverse	A1079 Ferensway, Carr Lane, Upper Union Street, West Street and surrounding streets – reduction in maximum flood depth of up to 0.1m – <b>moderate beneficial</b>
Tidal Humber Undefended (VCB In) Figure 13.69	A 1 in 200-year return period event with consideration of extreme (H++) climate change (without	Underpass – increase of maximum flood depth of up to 5.8m – <b>major adverse</b>	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>
	change (without existing flood defences)	Westbound diverge slip road – increase of maximum flood depth of up >0.5m – major adverse	A1079 Ferensway north of Mytongate Junction, Myton Street, Roper Street and surrounding streets – reduction in maximum flood depth of up to 0.2m – <b>major beneficial</b>
		Kingston Retail Park – increase in maximum flood depth of up to 0.2m – <b>major adverse</b> Lister Street, Waverley	A1079 Ferensway north to West Street, Carr Lane, Osborne Street, Upper Union Street and surrounding streets – reduction in maximum flood depth of up to 0.1m –
		Street and English Street – increase in maximum flood depth of up to 0.1m – moderate adverse	moderate beneficial Princes Dock, Princes Dock Street, Posterngate, Market
		Blanket Row, Blackfriargate, Sewer Lane and Humber Street – increase in maximum flood depth of up to 0.1m – moderate adverse	Place, Lowgate, Alfred Gelder Street and Dock Street – reduction in maximum flood depth of up to 0.1m – <b>moderate beneficial</b>
Tidal from River Hull (VCB In) Figure 13.43	A 1 in 200-year return period event (tidal barrier fails to close)	Underpass – increase of maximum flood depth of up to 5.8m – <b>major adverse</b>	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>
		Westbound diverge slip road – increase of maximum flood depth of up >0.5m – <b>major</b> <b>adverse</b>	Eastern and central Kingston Retail Park – reduction in maximum flood depth of up to 0.3m – <b>major beneficial</b>
			Railway Dock Marina and Humber Dock Marina –



Flooding source	Scenario	Areas of adverse impact \ magnitude	Areas of beneficial impact \ magnitude
		Small areas of west of Kingston Retail Park – increase in maximum flood depth of up to 0.3m – <b>major adverse</b>	reduction in maximum flood depth of up to 0.2m – <b>major</b> <b>beneficial</b>
		William Street and Porter Street – increase in maximum flood depth of up to 0.2m – <b>major adverse</b>	
		Princes Dock – increase in maximum flood depth of up to 0.3m – <b>major adverse</b>	
		Blanket Row, Sewer Lane, Finkle Street and Humber Dock Street – increase in maximum flood depth of up to 0.3m – <b>major</b> <b>adverse</b>	
		Humber Street, Queen Street and surrounding streets – increase in maximum flood depth of up 0.1m – moderate adverse	
		Posterngate, Market Place, Fish Street, Dagger Lane and Vicar Lane – increase in maximum flood depth of up 0.3m – <b>major adverse</b>	
Tidal from River Hull (VCB Out) Figure 13.99		Underpass – increase of maximum flood depth of up to 5.8m – major adverse	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>
		Westbound diverge slip road – increase of maximum flood depth of up >0.5m – <b>major</b> adverse	Myton Street, Osborne Street, St Luke's Street and surrounding streets – reduction in maximum flood depth of up to 0.4m – <b>major beneficial</b>
		Small areas of west of Kingston Retail Park – increase in maximum	Central and eastern Kingston Retail Park – reduction in



Flooding source	Scenario	Areas of adverse impact \ magnitude	Areas of beneficial impact \ magnitude
		flood depth of up to 0.3m – major adverse	maximum flood depth of up to 0.3m – major beneficial
		William Street and Porter Street – increase in maximum flood depth of up to 0.2m – <b>major adverse</b>	Humber Dock Marina and Railway Dock Marina – reduction in maximum flood depth of up to 0.2m – <b>major</b> <b>beneficial</b>
		Princes Dock – increase in maximum flood depth of up to 0.2m – <b>major adverse</b>	
		Blanket Row, Humber Street, Queen Street and surrounding streets – increase in maximum flood depth up to 0.1m – moderate adverse	
		Market Place, Vicar Lane, Fish Street and Dagger Lane – increase in maximum flood depth of up to 0.3m – <b>major adverse</b>	
Tidal from River Hull (VCB In) Figure 13.46	A 1 in 1000-year return period event (tidal barrier fails to close)	Underpass – increase of maximum flood depth of up to 5.8m – <b>major adverse</b>	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>
		Westbound diverge slip road – increase of maximum flood depth of up >0.5m – <b>major</b> adverse	A1079 Ferensway, Osborne Street, St Luke's Street and surrounding streets – decrease in maximum flood depth of up to >0.5m – <b>major beneficial</b>
		Kingston Retail Park – increase in maximum flood depth of up to 0.3m – <b>major adverse</b>	Porter Street, Waterhouse Lane, West Street, Prospect Street and surrounding streets – reduction in maximum flood depth of up to 0.3m – <b>major</b>
		Waverley Street – increase in maximum flood depth of up to 0.3m – <b>major adverse</b>	beneficial
		Edgar Street, William Street and Porter Street – increase in maximum flood depth	



Flooding source	Scenario	Areas of adverse impact \ magnitude	Areas of beneficial impact \ magnitude
		of up to 0.2m – major adverse	
		Blanket Row, Queen Street, Nelson Street and surrounding streets – increase in maximum flood depth of up to 0.1m – moderate adverse	
		Princes Dock and Princes Dock Street – increase in maximum flood depth of up to 0.1m – moderate adverse	
Tidal from River Hull (VCB Out) Figure 13.99		Underpass – increase of maximum flood depth of up to 5.8m – <b>major adverse</b>	A63 Castle Street east of Mytongate Junction – reduction in maximum flood depth of >0.4m – <b>major beneficial</b>
		Westbound diverge slip road – increase of maximum flood depth of up >0.5m – <b>major</b> adverse	Humber Dock Marina and Railway Dock Marina – decrease of maximum flood depth of up to 0.3m – <b>major</b> <b>beneficial</b>
		Kingston Retail Park – increase in maximum flood depth of up to 0.2m – <b>major adverse</b>	Osborne Street, St Luke's Street, Myton Street – reduction in maximum flood depth of greater than 0.4m – <b>major beneficial</b>
		Waverley Street – increase in maximum flood depth of up to 0.4m – <b>major adverse</b>	Waterhouse Lane, Porter Street and A1079 Ferensway – reduction in maximum flood depth of up to 0.3m – <b>major</b>
		Lister Street, Edgar Street and William Street – increase in maximum flood depth of up to 0.2m – major adverse	beneficial Margaret Moxon Way, West Street, North Street and Wright Street – reduction in maximum flood depth of up to 0.2m – major beneficial
		Porter Street – increase in maximum flood depth of up to 0.1m – <b>moderate</b> adverse	
		Princes Dock and Princes Dock Street –	



Flooding source	Scenario	Areas of adverse impact \ magnitude	Areas of beneficial impact \ magnitude
		increase of maximum flood depth of up to 0.1m – <b>moderate</b> adverse	
		Blanket Row, Sewer Lane, Finkle Street, Fish Street, Dagger Land and Vicar Lane – increase of maximum flood depth of up to 0.1m – moderate adverse	
Combined fluvial and tidal from River Hull Figure 14.53	A 1 in 200-year return period event (tidal barrier fails to close)	No change in flood depths across Scheme and study area - <b>neutral</b>	No change in flood depths across Scheme and study area - <b>neutral</b>
Combined fluvial and tidal from River Hull Figure 14.56	A 1 in 1000-year return period event (tidal barrier fails to close)	No change in flood depths across Scheme and study area - <b>neutral</b>	No change in flood depths across Scheme and study area - <b>neutral</b>



#### ES Table 11.20: Significance of potential residual impacts on surface water features during operation (amend row)

Potential impact	Feature	Attribute	Quality	Importance	Mitigation	Magnitude of impact	Significance
Alteration of flood flow routes due to the changes in ground levels and construction of structures	Humber floodplain	Conveyance of flow	Properties within the floodplain	Very high	Underpass drainage designed for 1 in 100-year, plus 30% allowance for climate change, rainfall event. Emergency procedures in case of pump failure or extreme flooding event including no/minimal warnings in the event of a flood defence breach (Flood Emergency and Evacuation Plan (FEEP)).	Ranges from ModerateMajor beneficial to Major adverse depending on the location, source and extent of flooding and return period of event. Further detail is provided in Error! Reference source not found	Very Large adverse to <del>Large</del> /Very Large beneficial



### ES Table 16.7: Significance of combined effects (revised)

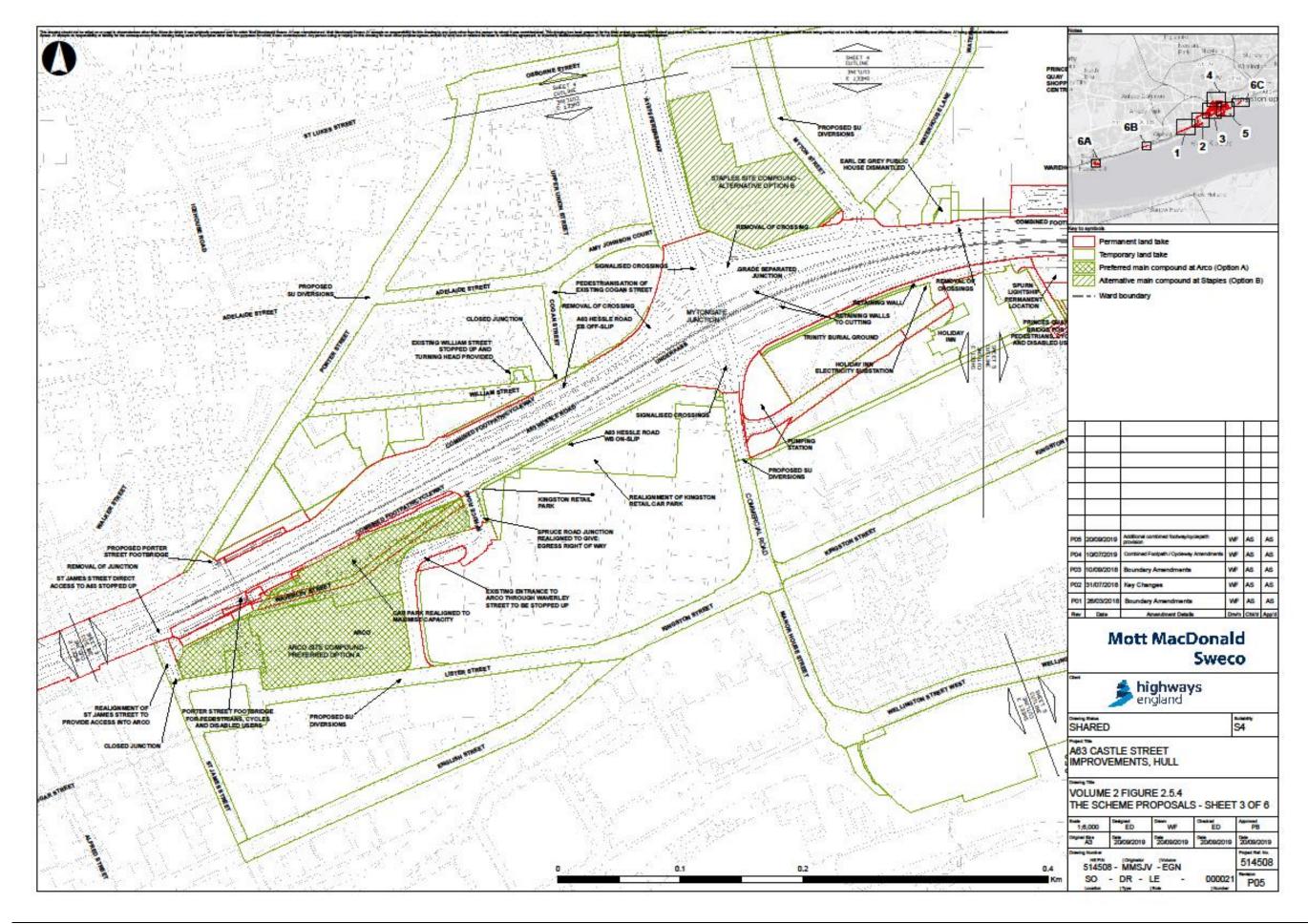
Receptor	Cultural fea	tures	Residential p	roperty	Community a business	menities and
	Construction	Operation	Construction	Operation	Construction	Operation
Air quality	-	-	Not significant adverse	Not significant adverse	Not significant adverse	Not significant adverse
Noise and vibration	Negligible increase	Not significa nt	Significant adverse	Significant adverse to significant beneficial	Minor increase	Not significant
Cultural heritage	Large adverse	Large adverse	-	-	Large adverse	Large adverse
Landscape	Large adverse landscape	Large adverse	Moderate adverse landscape	Significant adverse and beneficial visual	Large adverse landscape	Large adverse
Ecology and nature conservation	Large adverse	Large adverse	-	-	Large adverse	Large adverse
Road drainage and the water environment	-	-	Very large beneficial to very large adverse	Very large beneficial to very large adverse	Very large beneficial to very large adverse	Very large beneficial to very large adverse
Geology and soils		No s	ignificant adver	se or beneficial re	sidual effects	
Materials		No s	ignificant advers	se or beneficial re	sidual effects	
People and communities	Moderate adverse	Moderat e adverse	-	-	Moderate adverse	Moderate adverse
Effects on all travellers		No s	ignificant adver	se or beneficial re	sidual effects	
Overall Significance of Combined Effects			Мос	lerate adverse		



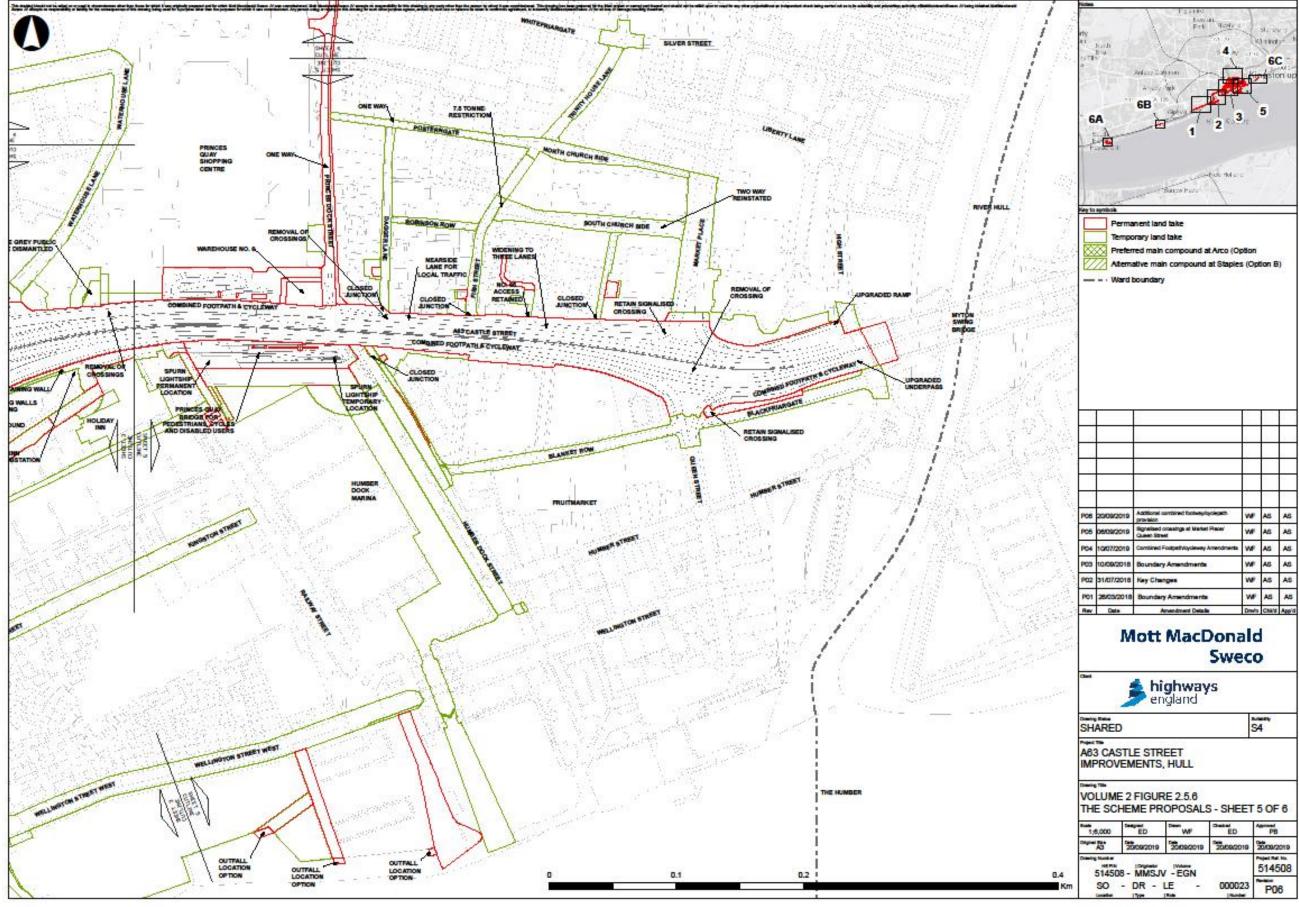
### 3 6.2 Environmental Statement Volume 2 Figures 2.5.4 & 2.5.6 (APP-025)

- 3.1.1 Replace ES Volume 2 Figure 2.5.4 The Scheme Proposals Sheet 3 of 6 and Figure 2.5.6 The Scheme Proposals Sheet 5 of 6 (APP-025) with the new Figures 2.5.4 and 2.5.6 below. Changes are as follows:
  - Locations of the combined footpath & cycleway have been revised.
  - Signalised crossings at Market Place and Queen Street are to be retained.







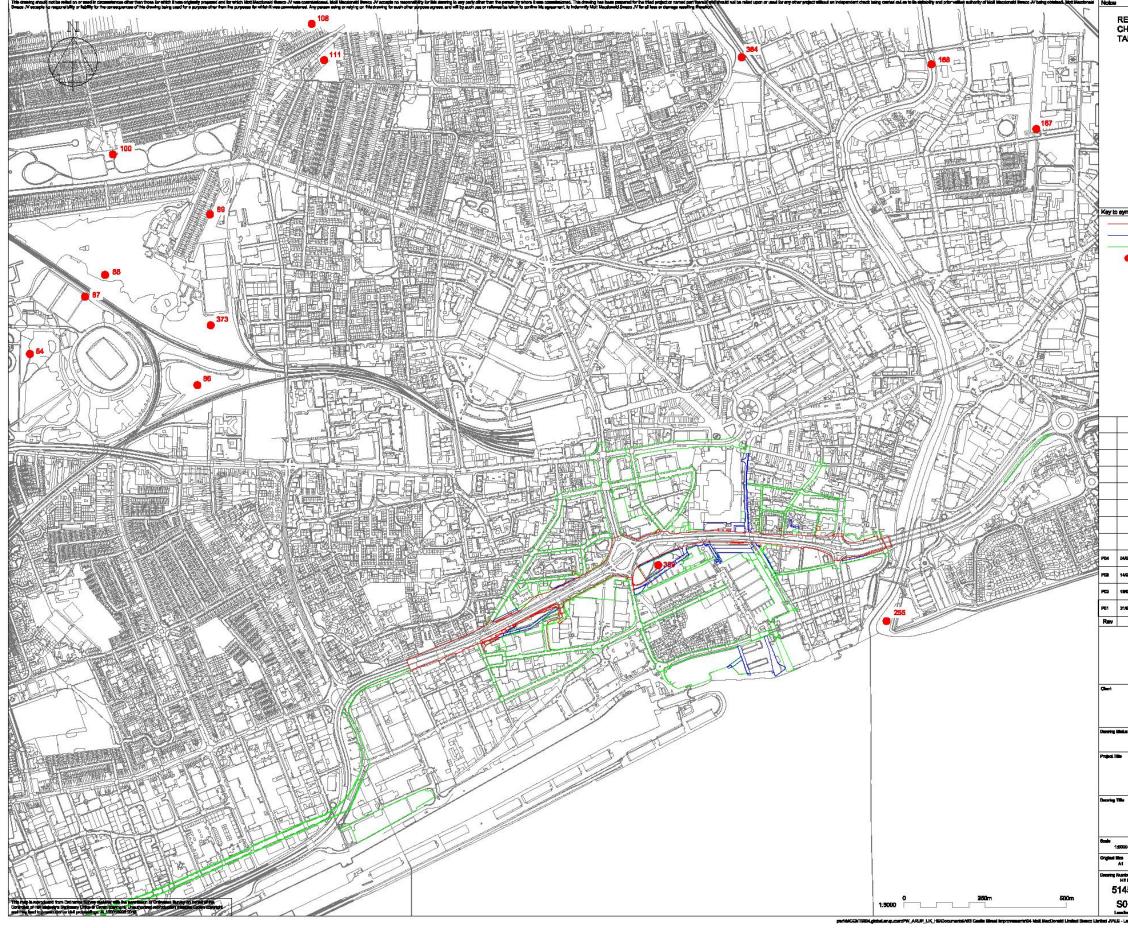




# 4 6.2 Environmental Statement Volume 2 Figure 10.2 (APP-036)

- 4.1.1 Replace ES Volume 2 Figure 10.2 Non-statutory designated sites (APP-036) with the new Figure 10.2 Non-statutory designated sites as below. Changes are as follows:
  - The key has been replaced.
  - Sammy's Point Site of Nature Conservation Interest (SNCI) has been added to Figure 10.2 as the mudflats are 250m from the Site boundary.





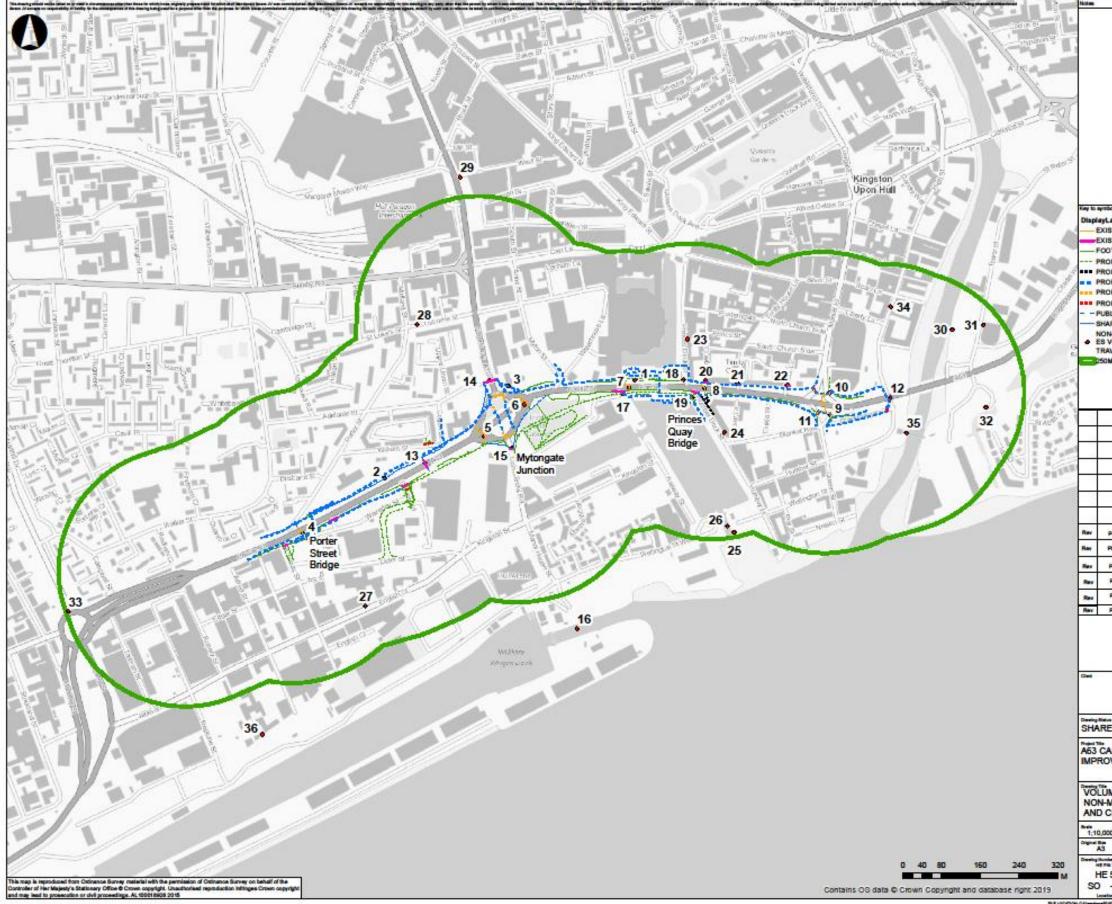
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# 5 6.2 Environmental Statement Volume 2 Figure 15.2 (APP-040)

- 5.1.1 Replace ES Volume 2 Figure 15.2 Proposed non-motorised users facilities and closure for the Scheme (APP-040) with the revised Figure 15.2 as below. Changes are as follows:
  - Locations of the combined footpath & cycleway have been revised.
  - Signalised crossings at Market Place and Queen Street are to be retained.





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	Additional shared fochway/ cycle path provision Arsended following proposed signalised crossings as Martier PleaseCoven Street	K3 K5	H H	a. a.
POS	path provision Amended following proposed signalised crossings as Marker Place/Queen Street Amended following changes to the scheme design		-	
PDS PDS PDH PDD	path provision Ansended following proposed signalised crossings as Mariset Place/Queen Street	KS	н	

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## 6 6.7 Ecology and Nature Conservation Assessment (APP-065)

#### **Table 6.1: Ecology and Nature Conservation Assessment**

Page	Paragraph/	Published text	Correction		
25	Table	SNCI Foredyke stream No information provided 1.6km	Demous row 12 from toble		
25	Table 10.4 Non- statutory designated sites (row 13)	SNCI Foredyke stream voinformation provided 1.6km northeast void (177) voinformation provided 1.6km northeast void (177) void void (177) void void void void void void void void	Remove row 13 from table		
44	Table 10.8 Summary of valuation of ecological receptors, Ecological receptor column (row 3)	Trinity Burial Ground SNCI, River Hull SNCI	Trinity Burial Ground SNCI, River Hull SNCI, Mudflats to the south of Sammy's Point SNCI		
49	10.7.17	River Hull SNCI Direct impacts to the River Hull SNCI are unlikely.	River Hull SNCI and Mudflats to the south of Sammy's Point SNCI Direct impacts to the River Hull SNCI and Mudflats to the south of Sammy's Point SNCI are unlikely.		
56	10.7.54	River Hull SNCI Road drainage would not discharge to the River Hull during the Operation Phase and there would therefore be no risks to water quality within the river.	River Hull SNCI and Mudflats to the south of Sammy's Point SNCI Road drainage would not discharge to the River Hull during the Operation Phase and would not impact upon the River Hull SNCI or Mudflats to the south of Sammy's Point SNCI. There would therefore be no risks to water quality within the river.		
60	Table 10.9 Characteris ation process of ecological impacts	n/a	Replace Table 10.9 with revised Table 10.9 (see above). Impacts are separated into a column for construction and a column for operation as requested in WQ1.2.6 (new/revised text in red). Replacement table also takes into account changes arising from mudflats to the south of Sammy's Point SNCI as requested in WQ1.2.2 (new/revised text in red).		
75	10.8.11	<i>River Hull SNCI</i> Neutral residual impacts are predicted to the River Hull SNCI during the Construction Phase, following the implementation of pollution protection mitigation measures.	River Hull SNCI and Mudflats to the south of Sammy's Point SNCI Neutral residual impacts are predicted to the River Hull SNCI and Mudflats to the south of Sammy's Point SNCI during the Construction Phase, following the		



Page	Paragraph/ Table	Published text	Correction
			implementation of pollution protection mitigation measures.
78	10.8.31	<i>River Hull SNCI</i> With no increase in noise or air pollution and no water discharges into this river, there is predicted to be neutral residual impacts to the SNCI during operation.	River Hull SNCI and Mudflats to the south of Sammy's Point SNCI With no increase in noise or air pollution and no water discharges into this river, there is predicted to be neutral residual impacts to these SNCIs during operation.
83	Table 10.10 Summary of ecological receptors, Ecological receptor column (row 4)	River Hull SNCI	River Hull SNCI and Mudflats to the south of Sammy's Point SNCI
87	Table 10.10 Summary of ecological receptors, Ecological receptor column (row 11)	Aquatic Invertebrates Humber Estuary SSSI River Hull SNCI	Aquatic Invertebrates Humber Estuary SSSI River Hull SNCI Mudflats to the south of Sammy's Point SNCI



## 7 6.11 Register of Environmental Actions and Commitments (APP-068)

#### **Table 7.1: Register of Environmental Actions and Commitments**

Page	Reference	Published text	Correction
34	E5	Clearance of potential nesting habitat outside breeding season (in particular for bats and birds).	Clearance of potential bird nesting habitat to take place outside of the March – August (inclusive) breeding season.
34	E5	n/a	<ul> <li>Add new bullet:</li> <li>Felling of trees to be undertaken only in September/October and April to take account of the sensitive roosting periods for bats.</li> </ul>
41	W13	n/a	Add row W13 – see below for details
50	Т3	A free 'shuttle bus' service would also be provided during construction, and this would pick up and drop of NMUs at predetermined locations either side of the A63 and would also include wheelchair access facilities.	<ul> <li>A free 'shuttle bus' service would also be provided if feasible during construction, and this would pick up and drop of NMUs at predetermined locations either side of the A63 and would also include wheelchair access facilities.</li> </ul>
50/51	Footnote 1	<ul> <li>Archaeological Project Design</li> <li>Arboricultural Implications Assessment</li> <li>Arboricultural Method Statement;</li> <li>Landscape and Ecology Management Plan</li> <li>Handover Environmental Management Plan</li> <li>Marine Mammal Mitigation Plan</li> <li>Groundwater Monitoring Plan</li> <li>Erosion Prevention and Sediment Control Plan</li> <li>Noise and Vibration Management Plan</li> <li>Noise and Vibration Management Plan</li> <li>Site Waste Management Plan</li> <li>Foundation Works Risk Assessment</li> <li>Materials Logistics Plan</li> <li>Community Relations Strategy</li> <li>Traffic and Transport Management Plan</li> </ul>	<ul> <li>Archaeological Project Design</li> <li>Arboricultural Implications Assessment</li> <li>Arboricultural Method Statement</li> <li>Landscape and Ecology Management Plan</li> <li>Handover Environmental Management Plan</li> <li>Handover Environmental Management Plan</li> <li>Marine Mammal Mitigation Plan</li> <li>Groundwater Monitoring Plan</li> <li>Flood Evacuation Plan</li> <li>Flood Emergency and Evacuation Plan</li> <li>Erosion Prevention and Sediment Control Plan</li> <li>Noise and Vibration Management Plan</li> <li>Materials Management Plan</li> <li>Site Waste Management Plan</li> <li>Foundation Works Risk Assessment</li> <li>Materials Logistics Plan</li> <li>Community Relations Strategy</li> <li>Traffic and Transport Management Plan</li> </ul>



## Register of Environmental Actions and Commitments (REAC) (APP68) and Outline Environmental Management Plan (OEMP), Annex B (APP-072)

Ref	ES ref.	DCO ref.	Works informatio n ref.	Objective	Action (including any monitoring required)	Achievement criteria and reporting requirements (if applicable)	How the Action is to be implemented	Responsible Person (s)	When P = Pre- construction C = Construction O = Operation A = All	Completion record
NV1	CH7	-	-	<sup>•</sup> Action' column The control of noise and vibration arising from the works and compounds to minimise disturbance in community.	<ul> <li>Best practicable means for the control of noise and vibration to applied as a matter of course and as described in Section 79(9) of the Environmental Protection Act 1990, to reduce noise to a minimum shall be employed at all times.</li> <li>Procedures for noise control and the assessment of site noise shall be in accordance with BS 5228, Part 1:2009+A1:2014. Contractor requirements are set out in the Appendix 1/9 'Control of Noise and Vibration'.</li> <li>Measures would be set out in the CEMP to control potential noise impacts from site traffic. This may include the following:         <ul> <li>Vehicles should not wait or queue up with engines running on the site or on the public highway</li> <li>Manage deliveries to prevent queuing of site traffic at access points and the need for vehicles to reverse</li> <li>Use of adjustable or directional audible vehicle-reversing alarms or use of alternative warning systems, e.g. white noise alarms</li> <li>Other, more specific forms of construction mitigation are as follows:                 <ul> <li>The A63 remains in use throughout the works in order that its capacity is maximised. Right hand turns at</li> </ul> </li> </ul> </li> </ul>	Mitigation measures included in the CEMP Consultation with HCC Principal Environmental Health Officer with public relations managed throughout the Construction Phase. Noise insulation and temporary rehousing to be offered to those meeting the criteria set out in Annex E.4 of BS 5228 Part 1 2009+A1:2014	Contractual responsibilities between Highways England and the Principal Contractor. Local Authority	Contractor	C, O	Signature: Date:



Ref	ES ref.	DCO ref.	Works informatio n ref.	Objective	Action (including any monitoring required)	Achievement criteria and reporting requirements (if applicable)	How the Action is to be implemented	Responsible Person (s)	When P = Pre- construction C = Construction O = Operation A = All	Completion record
					<ul> <li>Mytongate Junction would be maintained throughout the works.</li> <li>Temporary acoustic barrier fencing to be provided along the northern carriageway edge between the Myton Centre and William Booth House when construction activities are programmed to occur along in this section of the Scheme.</li> <li>Monitoring of phases would be conducted in order to verify that noise levels associated with traffic flows during construction do not cause significant adverse effects at noise sensitive receptors.</li> <li>Proactive communication with local residents, businesses and road users to address their concerns and opinions on the traffic management (TM) phasing.</li> <li>Safe access and egress would be maintained to all businesses and residential properties. Emergency routes to be available throughout the Scheme construction programme of works at all times.</li> <li>Every effort would be made to ensure that there are no late removals of the TM after overnight lane closures. The overnight closures required are discussed below.</li> <li>A minimum of 2 weeks prior notice to be given to occupiers of affected properties via letter drop and press release.</li> <li>Noise mitigation measures may include procurement of low noise plant options, time restrictions on certain noisy activities, temporary noise barriers and</li> </ul>					



Ref	ES ref.	DCO ref.	Works informatio n ref.	Objective	Action (including any monitoring required)	Achievement criteria and reporting requirements (if applicable)	How the Action is to be implemented	Responsible Person (s)	When P = Pre- construction C = Construction O = Operation A = All	Completion record
					tool box briefings to operatives on quite working.					
Add ne	ew row	W13 belo	w	•	•	·		•		
W13	CH11			To limit impacts of flooding on construction workers and the public	<ul> <li>EA flood warning service to be subscribed to throughout construction. If flood alert or flood warning received, information to be shared with relevant personnel.</li> <li>Emergency procedures documented in the Flood Emergency and Evacuation Plan (FEEP) (ES Volume 3 Appendix 11.2 Appendix B) to be instigated for safe evacuation of the underpass and surrounding areas of the Scheme during operation.</li> <li>CEMP to include emergency procedures based on the FEEP to evacuate construction footprint in the event of extreme flooding. Procedures to account for all sources of flooding including tidal,</li> </ul>	Mitigation measures should be included in the CEMP	Contractual responsibilities between Highways England and the Principal Contractor	Contractor	C O	Signature: Date:



## 8 7.3 Outline Environmental Management Plan (APP-072)

#### **Table 9.1: Outline Environmental Management Plan**

Page	Table/Reference	Published text	Correction		
16	Table 4.1 Permits, consents and licences	Flood Risk Activity Environment Agency Permit required of work is carried out on or mera a main rived out on or or near a flood or or near a flood defence structure, in a flood plain, or near a flood defence.	Remove row from table		
18	Table 4.1 Permits, consents and licences	Listed Building         Secretary of State         3 / 4 consents required         Earl de Grey public           (Listed Buildings and Conservation Areas)         Societary of State         3 / 4 consents required         House - consent: required in advance of dimantiling;           Act 1990         1 / 2 consents required for monitoring equipment on Castle Buildings and Wanbouse No. 6.         House Took - consent required for alteredue on forothem occurs of monitoring equipment on Castle Buildings and Wanbouse No. 6.           Castle Buildings and Wanbouse No. 6.         Castle Buildings and Wanbouse No. 6.         Castle Buildings and Wanbouse No. 6.	Remove row from table		
18/19	Table 4.1 Permits, consents and licences	Scheduled Monument         Secretary of State         1 consent required for Beverley Gate and Archaeological Areas         Beverley Gate - consent will be           Archaeological Areas         archaeological Areas         any service and utility direction boundary of the Scheduled Monument.         any service and utility direction securations	Remove row from table		
34	E5	Clearance of potential nesting habitat outside breeding season (in particular for bats and birds).	Clearance of potential bird nesting habitat to take place outside of the March – August (inclusive) breeding season.		
34	E5	n/a	<ul> <li>Add new bullet:</li> <li>Felling of trees to be undertaken only in September/October and April to take account of the sensitive roosting periods for bats.</li> </ul>		
41	W13	n/a	Add row W13 – see above for details		
25	NV1	See above for details of NV1.	Amend row NV1 – see above for details		
50	Т3	<ul> <li>A free 'shuttle bus' service would also be provided during construction, and this would pick up and drop of NMUs at predetermined locations either side of the A63 and would also include wheelchair access facilities.</li> </ul>	<ul> <li>A free 'shuttle bus' service would also be provided if feasible during construction, and this would pick up and drop of NMUs at predetermined locations either side of the A63 and would also include wheelchair access facilities.</li> </ul>		
50/51	Footnote 1	<ul> <li>Archaeological Project Design</li> <li>Arboricultural Implications Assessment</li> <li>Arboricultural Method Statement;</li> <li>Landscape and Ecology Management Plan</li> <li>Handover Environmental Management Plan</li> <li>Marine Mammal Mitigation Plan</li> <li>Groundwater Monitoring Plan</li> </ul>	<ul> <li>Archaeological Project Design;</li> <li>Arboricultural Implications Assessment</li> <li>Arboricultural Method Statement</li> <li>Landscape and Ecology Management Plan</li> <li>Handover Environmental Management Plan</li> <li>Marine Mammal Mitigation Plan</li> <li>Groundwater Monitoring Plan</li> </ul>		



Page	Table/Reference	Published text	Correction
		<ul> <li>Erosion Prevention and Sediment Control Plan</li> <li>Noise and Vibration Management Plan</li> <li>Materials Management Plan</li> <li>Site Waste Management Plan</li> <li>Foundation Works Risk Assessment</li> <li>Materials Logistics Plan</li> <li>Community Relations Strategy</li> <li>Traffic and Transport Management Plan</li> </ul>	<ul> <li>Flood Evacuation Plan</li> <li>Flood Emergency and Evacuation Plan</li> <li>Erosion Prevention and Sediment Control Plan</li> <li>Noise and Vibration Management Plan</li> <li>Materials Management Plan</li> <li>Site Waste Management Plan</li> <li>Foundation Works Risk Assessment</li> <li>Materials Logistics Plan</li> <li>Community Relations Strategy</li> <li>Traffic and Transport Management Plan</li> </ul>