

Lower Thames Crossing
10.4 Change Application
(August 2023)
Appendix A -
Proposed amendments to
Environmental Statement
Chapter 2: Project Description

Infrastructure Planning (Examination
Procedure) Rules 2010

Volume 10

DATE: August 2023
Change Application (August 2023)

Planning Inspectorate Scheme Ref: TR010032
Examination Document Ref: TR010032/EXAM/10.4

VERSION: 1.0

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Appendix A - Proposed amendments to Environmental Statement Chapter 2: Project Description

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1 Introduction

1.1 Purpose

- 1.1.1 This document forms Appendix A of the Change Application [Application Document 10.4]. It sets out the relevant updates to 6.1 Environmental Statement (ES) Chapter 2: Project Description [**Application Document APP-140**] and the supporting figures and appendices that would be required if the proposed changes are accepted for examination by the Examining Authority.
- 1.1.2 ES Chapter 2: Project Description [Application Document **APP-140**] sets out the description of the Project as assessed in the ES chapters [**Application Documents APP-139 to APP-155**], ES Figures [**Application Documents APP-156 to APP-331**] and ES Appendices [**Application Documents APP-332 to APP-485**] (Application Document 6.1, Application Document 6.2 Environmental Statement Figures, Application Document 6.3 Appendices). If the change application proposals are accepted for examination by the Examining Authority, it is proposed that updates to the ES Chapter 2: Project Description would be reported in an updated version of 9.8 ES Addendum [**REP1-181**] at the next appropriate Examination Deadline. This appendix has been prepared to set out how and where the description of the Project provided in Chapter 2 and the associated appendices and figures, would be updated to include the proposed changes if agreed.

1.2 Supporting information

- 1.2.1 This document forms Appendix A to the Change Application [Document Reference 10.4]. The Change Application provides information on the proposed changes including a description and an environmental appraisal to consider whether there would be any changes to the likely significant environmental effects reported in the ES. ES Figure 2.1: Route Alignment and Order Limits (clean and tracked) (version 2) has also been updated and submitted as part of the Change Application reflecting the proposed changes in Order Limits.
- 1.2.2 Updates to the ES are reported in 9.8 ES Addendum [**REP1-181**], which identifies updates to documents, and revisions and re-issuing of new versions of documents and figures. The ES Addendum follows the approach where text shown in blue font with a strikethrough indicates text which is now removed from the relevant section of the Environmental Statement. Text shown in green font indicates text which is updated or new. This Appendix follows the same format.

2 Proposed changes

2.1.1 Proposed changes

2.1.2 Information on the proposed design changes is set out in full in the Change Application (Document Reference 10.4). Table 2.1 provides a summary of the proposed changes.

Table 2.1 Summary of proposed changes

Change code	Title of change	Brief summary
MRC01	Blue Bell Hill and Burham nitrogen deposition compensation sites	Removal of farmland from the Order Limits (Work No. E2 and part of Work No. E1) to retain agricultural land whilst still providing sufficient nitrogen deposition compensation.
MRC02	Limits of deviation on bored tunnel headwall (north of alignment)	Increase in North Portal headwall limits of deviation from 125m to 275m (associated with Works No. 4A and shown on Sheet 2 of Tunnel Limits of Deviation Plans [Application Document APP-046]).
MRC03	East Tilbury utilities relocations and Order Limits reduction	<ul style="list-style-type: none"> • Reduction in Order Limits, west of East Tilbury. • Relocation of Linford bore pipeline (Works No. MUT6) west of East Tilbury. • Relocation of Muckingford Road and Low Street Lane Utility Logistics Hubs (ULH 11 and 12 respectively). • Land designation change for Plot 23-96.

3 Updates to the Project Description

3.1 Blue Bell Hill and Burham nitrogen deposition compensation sites

3.1.1 The relevant updates to the ES Chapter 2: Project Description [Application Document [APP-140](#)] and the associated figures related to Blue Bell Hill and Burham nitrogen deposition compensation sites (Change code MRC01), are set out in Table 3.1.

Table 3.1 Update to Project Description for MRC01

Location	Update required
ES Chapter 2: Project Description [Application Document APP-140]	
Paragraph 2.3.213 bullet a	Amend to: Creation of compensatory habitat to compensate for the effects of nitrogen deposition, located south-east of M2 junction 3, between Kit's Coty and Westfield Sole (Work number E1). This area of nitrogen deposition compensation planting (Site Reference: Blue Bell Hill) is located remotely from the Project road, approximately 9km south-east of Section 1, and comprises approximately 72.2ha 43ha of habitat creation, primarily of woodland.
Paragraph 2.3.213 bullet b	Delete bullet b and all associated text: b. Creation of compensatory habitat to compensate for the effects of nitrogen deposition, located south-west of M2 junction 3, north-west of Kit's Coty (Work number E2). This area of nitrogen deposition compensation planting (Site Reference: Burham) is located remotely from the Project road, approximately 8km south-east of Section 1, and comprises approximately 9.7ha of habitat creation, primarily of woodland.
Paragraph 2.4.196	Amend to: As set out in Section 2.3 of this chapter and identified on Figure 2.4: Environmental Masterplan (Application Document 6.2), eight seven sites have been identified for the provision of compensatory habitat planting for the effects of nitrogen deposition on designated habitats, equating to approximately 246ha 205ha in total.
Paragraph 2.4.196 bullet h	Delete bullet h and all associated text. h. Burham
ES Figure 2.2: Project Proposals [Additional Submission AS-046]	
Page 1 of 11	Update to <i>Order Limits</i> reflecting changes. Update to extent of <i>Proposed Nitrogen deposition compensation planting</i> .
ES Figure 2.3: Environmental Constraints Plan [Application Document APP-158]	
Page 1 of 19	Update to <i>Order Limits</i> reflecting changes.
ES Figure 2.5: Construction Information [Application Document APP-169]	
Page 1 of 11	Update to <i>Order Limits</i> reflecting changes.

3.2 Limits of deviation on bored tunnel headwall

- 3.2.1 The relevant updates to ES Chapter 2: Project Description [Application Document APP-140] related to limits of deviation on bored tunnel headwall (north of alignment) (Change code MRC02) are set out in Table 3.2.

Table 3.2 Updates to Project Description for MRC02

Location	Update required
Paragraph 2.3.96	Amend to: The tunnel would rise to the north of the River Thames. The bored tunnel would end at a headwall and at this point the road would be at a depth of up to approximately 22m below ground level. The A122 would then continue through a short section of cut and cover up to 300m in length before exiting into an open retained structure open cutting.

3.3 East Tilbury utilities relocations and Order Limits reduction

- 3.3.1 The relevant updates to ES Chapter 2: Project Description [Application Document APP-140] and the associated figures related to East Tilbury utilities relocations and Order Limits reduction (Change code MRC03) are set out in Table 3.3.

Table 3.3 Updates to Project Description for MRC03

Location	Updates required
ES Chapter 2: Project Description	
Paragraph 2.6.138 bullet b	Amend to: b. Work number MUT6 is an approximately 3.18km 3.12km installation of water supply from Linford Borehole to the point of distribution for the tunnel boring machinery.
Table 2.8 Row for Low Street Lane ULH	Column for Approximate area (m ²), amend to: 14,300m² 8,400m²
Table 2.8 Row for Muckingford Road ULH	Column for Approximate area (m ²), amend to: 14,300m² 9,600m²
Table 2.11 Row for Low Street Lane ULH	Column for Approximate total area of compound (ha), amend to: 1.4ha 0.84ha
Table 2.11 Row for Muckingford Road ULH	Column for Approximate total area of compound (ha), amend to: 1.4ha 0.96ha
Plate 2.5	Update to <i>Order Limits</i> reflecting changes.
Plate 2.6	Update to <i>Order Limits</i> reflecting changes.

Location	Updates required
ES Figure 2.2: Project Proposals [Additional Submission AS-046]	
Page 5 of 11	Update to <i>Order Limits</i> reflecting changes.
Page 6 of 11	Update to <i>Order Limits</i> reflecting changes.
ES Figure 2.3: Environmental Constraints Plan [Application Document APP-158]	
Page 8 of 19	Update to <i>Order Limits</i> reflecting changes.
Page 10 of 19	Update to <i>Order Limits</i> reflecting changes.
ES Figure 2.5: Construction Information [Application Document APP-169]	
Page 5 of 11	Update to <i>Order Limits</i> reflecting changes. Update to alignment of <i>Multi-utility works - temporary alignment</i> reflecting changes. Update to location of <i>Low Street Lane Utility Logistics Hub</i> reflecting changes. Update to location of <i>Muckingford Road Utility Logistics Hub</i> reflecting changes. Update to extent of <i>Utilities working areas</i> reflecting changes.
Page 6 of 11	Update to <i>Order Limits</i> reflecting changes. Update to alignment of <i>Multi-utility works - temporary alignment</i> reflecting changes. Update to location of <i>Muckingford Road Utility Logistics Hub</i> . Update to extent of <i>Utilities working areas</i> reflecting changes.

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Registered office Bridge House, 1 Walnut Tree Close, Guildford GU1 4LZ

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