



CROSSRAIL INFORMATION PAPER

A8 – UPDATE ON THE CROSSRAIL PROJECT AND GUIDE TO THE ENVIRONMENTAL STATEMENT

This paper provides an update on the Crossrail project and a guide to the places within the Crossrail Environmental Statement (ES) documentation where the most up-to-date information describing the project and its likely significant impacts can be found.

It will be of particular relevance to those interested in the project and in finding out where within the ES the most up-to-date information describing the project and its likely significant impacts can be found.

This is not intended to replace or alter the text of the paper itself and it is important that you read the paper in order to have a full understanding of the subject. If you have any queries about this paper, please contact either your regular Petition Negotiator at CLRL or the Crossrail helpdesk, who will be able to direct your query to the relevant person at CLRL. The helpdesk can be reached at:

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APPROVED

Version 1 – 20/12/07

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1. Introduction

1.1 This Information Paper has been produced as an update on the Crossrail project and a guide to the places within the Crossrail Environmental Statement documentation where the most up-to-date information describing the project and its likely significant impacts can be found.

2. Project Update

2.1 The Crossrail Bill continues its passage through Parliament and was introduced into the House of Lords on 14 December 2007. A number of changes have been made to the project since the Bill was first introduced in the House of Commons in February 2005, many in response to concerns raised by petitioners (see Information Paper B7, Crossrail Bill as Amended in Select Committee in the House of Commons, for further information on the project changes).

2.2 On 5 October 2007 the Prime Minister announced a £16bn funding deal to enable the Crossrail project to go ahead. On 26 November the Department for Transport (DfT) published the Heads of Terms agreed between the Department and Transport for London (TfL) on the future funding and governance of the project which underpin that announcement, subject only to those redactions necessary to protect commercial sensitivity (see <http://www.dft.gov.uk/pgr/rail/pi/crossrail/crossrailheadsofterms/>).

3. Crossrail Environmental Statement

3.1 Since the deposit of the main Environmental Statement volumes ("the main ES"), together with an Addendum, with the Crossrail Bill in February 2005 four Supplementary ESs (SES 1 to 4) and four Additional Provision ESs (APES 1 to 4) have been produced. The SESs provide further information on the works and the likely significant impacts as reported in the main ES, or in relation to certain aspects of the Crossrail project that have changed from that reported in the main ES. The changes reported in the SESs reflect project alterations within the Bill powers and hence changes not requiring an Additional Provision. The APESs report on changes to the project that would otherwise not be within the Bill powers and any related likely significant impacts.

3.2 The main ES volumes and Addendum and its associated update documents (the SESs and APESs) collectively comprise the Environmental Statement for Crossrail ("the ES"). The chronology of the ES documents¹ is outlined in Table 1.

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Table 1 - Chronology of the ES Documents

Document	Date Deposited
Environmental Statement (together with an addendum) and accompanying NTS	22 February 2005
Supplementary Environmental Statement (SES1) and accompanying NTS	26 May 2005
Supplementary Environmental Statement 2 (SES2) and accompanying NTS	18 January 2006
Amendment of Provisions Environmental Statement (APES 1) and accompanying NTS	18 January 2006
Amendment of Provisions Environmental Statement 2 (APES 2) and accompanying NTS	9 May 2006
Amendment of Provisions Environmental Statement 3 (APES 3) and accompanying NTS	7 November 2006
Supplementary Environmental Statement 3 (SES3) and accompanying NTS	7 November 2006
An SES3 errata	25 January 2007
Supplementary Environmental Statement 4 (SES4) and accompanying NTS	16 May 2007
Amendment of Provisions Environmental Statement 4 (APES 4) and accompanying NTS	16 May 2007

3.3 The Annex to this paper comprises a series of tables which explain where to find information on specific topics in the ES. The tables identify, as a starting point, each element of the contents of the main ES, whether there is further information or an updated aspect of the project in the main ES as a consequence of an SES or APES, and specifically in which document this information lies and where any likely significant impacts are set out.

3.4 When using the Annex, there are some principles which the reader should be aware of, namely:

- with regard to the text of the ES, the reader will need to have access to all the documents referred to in Table 1 so that the main ES can be read in conjunction with the SESs and APESs; and
- with regard to the mapping within the ES, the reader will need the main ES mapping volumes (4a and 4b) and the mapping volumes for each SES and APES mapping, as the latter identify changes in relation to the main ES mapping volumes.

3.5 Finally, in a few cases a change proposed in one of the APESs was in fact not included in the Bill when it was reported by the House of Commons Select Committee in October

2007. For example, the proposed changes reported in Chapter 9 of APES 1 in connection with the diversion of two high pressure gas pipelines at Romford Depot (West) were not ultimately made to the Bill as they were overtaken by the alternative depot strategy and the decision to not build a depot at Romford. These cases are highlighted in the Annex, and Appendix A to Information Paper B7.

4. Crossrail programme

4.1 As far as the Crossrail programme is concerned, the Crossrail Bill is, as mentioned above, proceeding through Parliament. It is currently expected to receive Royal Assent in summer 2008. The programme assumption for the main ES (Volume 1, Section 2.5.4) was that construction of Crossrail would start in 2007 and that the main construction works would take place over a six-year period with the first train service operational from 2013. This was reconsidered in SES1 (Section 2.3.1) where the environmental impacts which might be expected to arise if construction did not start until 2009 and with train services commencing in 2015, were examined. As was indicated when funding for the Crossrail project was announced in October 2007, it is now anticipated that construction works will begin in 2009, that construction would take place over an eight year period and that first services will commence in 2017. Although the date for first services is two years later than originally anticipated, the ES continues to identify the likely significant impacts of the scheme.

¹ Copies of which can be found at libraries and other locations up and down the route, and at <http://billdocuments.crossrail.co.uk>

ANNEX

Table 1.1 Updates to Crossrail Environmental Statement - Volume 1

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Documentation
Errata and other points of clarification are identified within SES1 and should be read in conjunction with the main ES.			SES1 Table 1.2
Errata and other points of clarification are identified within SES3 and should be read in conjunction with the main ES and subsequent documents.			SES3 Table A1.1
1. Introduction			
Background	Vol 1, Ch1, section 1.1	No change	No change
Application for Powers	Vol 1, Ch1, section 1.2	No change	No change
The Environmental Assessment Team	Vol 1, Ch1, section 1.3	No change	No change
Structure of the Environmental Statement	Vol 1, Ch1, section 1.4	Supplementary volumes have been published as set out in section 3.2 of the Information Paper	
References	Vol 1, Ch1, section 1.5	No change	No change
2. Project Description			
Introduction	Vol 1, Ch2, section 2.1	No change	No change
Route Overview	Vol 1, Ch2, section 2.2	No change	No change
Permanent Works	Vol 1, Ch2, section 2.3	Updated as itemised in Route Window updates in Table 1.2 (Chapter 8) and Table 1.3 (Chapters 9 to 11) below	All
Crossrail Operations	Vol 1, Ch2, section 2.4	No change	No change
Project Description - Construction	Vol 1, Ch2, section 2.5	Construction Programme and Working Hours	SES 1 Ch2
		Sequence of works	SES2 Ch1
		Revised tunnelling strategy	SES3 Ch3
		Construction Programme	Section 3.1 of this Information Paper
3. The Environmental Impact Assessment Process			
Introduction	Vol 1, Ch3, section 3.1	No change	No change

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Documentation
Environmental Statement	Vol 1, Ch3, section 3.2	No change	No change
Determining the Scope and Assessment Methodology	Vol 1, Ch3, section 3.3	No change	No change
Baseline Information	Vol 1, Ch3, section 3.4	No change	No change
Predicting and Assessing Impacts	Vol 1, Ch3, section 3.5	No change	No change
Overview of Prediction Methodologies by Environmental Topic	Vol 1, Ch3, section 3.6	Slightly amended assessment methodologies were used in assessing utilities impacts for Built Heritage, Landscape/Townscape and Visual Amenity, Traffic and Transport and Noise and Vibration	SES 2 Ch 2
Approach to Mitigation	Vol 1, Ch3, section 3.7	No change	No change
Over-site Developments	Vol 1, Ch3, section 3.8	No change	No change
Consultation	Vol 1, Ch3, section 3.9	Liaison with Statutory Bodies - utility diversions	SES2 Ch1
References	Vol 1, Ch3, section 3.10	No change	No change
4. The Need for Crossrail			
Introduction	Vol 1, Ch4, section 4.1	No change	No change
Current Travel Conditions	Vol 1, Ch4, section 4.2	No change	No change
The impact of Future Growth	Vol 1, Ch4, section 4.3	No change	No change
The Transport and Planning Case for Crossrail	Vol 1, Ch4, section 4.4	No change	No change
References	Vol 1, Ch4, section 4.5	No change	No change
5. Planning Policy Context			
Introduction	Vol 1, Ch5, section 5.1	No change	No change
Overview of Current Planning Framework	Vol 1, Ch5, section 5.2	No change	No change
General Principles of Planning Policy	Vol 1, Ch5, section 5.3	No change	No change
Transport Policy	Vol 1, Ch5, section 5.4	No change	No change
Historic Environment	Vol 1, Ch5, section 5.5	No change	No change
Rural Areas, Green Belts and Metropolitan Open Land	Vol 1, Ch5, section 5.6	No change	No change
Other Protected Open Space	Vol 1, Ch5, section 5.7	No change	No change

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Documentation</i>
Water Environment	Vol 1, Ch5, section 5.8	No change	No change
Nature Conservation	Vol 1, Ch5, section 5.9	No change	No change
Archaeology	Vol 1, Ch5, section 5.10	No change	No change
Excavated material and Waste Management	Vol 1, Ch5, section 5.11	No change	No change
Contaminated Land	Vol 1, Ch5, section 5.12	No change	No change
Noise	Vol 1, Ch5, section 5.13	No change	No change
Air Quality	Vol 1, Ch5, section 5.14	No change	No change
Climate Change	Vol 1, Ch5, section 5.15	No change	No change
Housing	Vol 1, Ch5, section 5.16	No change	No change
Industrial and Commercial Land	Vol 1, Ch5, section 5.17	No change	No change
Town Centres	Vol 1, Ch5, section 5.18	No change	No change
Culture and Entertainment	Vol 1, Ch5, section 5.19	No change	No change
References	Vol 1, Ch5, section 5.20	No change	No change
6. Route Development and Alternatives			
Introduction	Vol 1, Ch6, section 6.1	No change	No change
Development of the Crossrail Concept	Vol 1, Ch6, section 6.2	No change	No change
Alternative Crossrail Routes	Vol 1, Ch6, section 6.3	No change	No change
Alternative Crossrail Stabling and Depot Locations	Vol 1, Ch6, section 6.4	No change	No change
References	Vol 1, Ch6, section 6.5	No change	No change

Table 1.2 Updates to Crossrail Environmental Statement - Volume 2

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
Errata and other points of clarification are identified within SES1 and should be read in conjunction with the main ES.			SES1 Tables 1.3, 1.4, A, 8.23a
Errata and other points of clarification are identified within SES3 and should be read in conjunction with the main ES and subsequent documents.			SES3 Table A1.1
7. Baseline and Environmental Impacts: Route Wide			
Introduction	Vol 2, Ch7, section 7.1	Consideration of the potential impacts on health	SES1 Ch5
Traffic and Transport	Vol 2, Ch7, section 7.2	Western Route Section Possessions	SES2 Ch33
Socio-economics and Community	Vol 2, Ch7, section 7.3	No change	No change
Built Heritage	Vol 2, Ch7, section 7.4	No change	No change
Ecology	Vol 2, Ch7, section 7.5	Route Wide: Badgers - second sett	SES2 Ch33
Excavated Materials and Waste Management	Vol 2, Ch7, section 7.6	No change	No change
Climate Change	Vol 2, Ch7, section 7.7	Sensitivity test of assumptions in CO2 assessment	SES 1 Ch4
Water Resources	Vol 2, Ch7, section 7.8	No change	No change
Electromagnetic Interference	Vol 2, Ch7, section 7.9	No change	No change
References	Vol 2, Ch7, section 7.10	No change	No change
8. Baseline and Environmental Impacts for the Central Route Section			
Introduction	ES Vol 2, Ch 8, section 8.1	No change	No change
Overview of Crossrail Works in Central Route Section	ES Vol 2, Ch 8, section 8.2	Updated as per itemised Route Windows	All
Route Window C1 ¹ : Royal Oak Portal	ES Vol 2, Ch 8, Section 8.3	Concrete batching plant sidings - extension to the east	APES2 Ch2
		Railway retaining wall moved to the north	APES2 Ch2
		Greater area of land take from the Academy	APES2 Ch2
		Westbourne Park Passage footbridge extended to north	APES2 Ch2

(1) A visual guide to the location and extent of the route windows is provided in the attached five figures.

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
		Provision of a temporary concrete batching plant	SES3 Ch4
		Revised design of permanent reinstated concrete batching plant	SES3 Ch4
		Westbourne Park Passage footbridge - construction of a ramp	APES3 Ch2
		Westbourne Park reversing facility - reviewed and revised	APES3 Ch2
Route Window C2: Paddington Station	ES Vol 2, Ch 8, section 8.4	Utility works	SES 2 Ch1, 3
		Traffic and transport cumulative impacts	SES2 Ch19
		4 - 18 Bishops Bridge Road - demolition of whole building	SES2 Ch33
		Red Star Deck - revision of location of the vertical circulation between platforms and the taxi facility	APES1 Ch2
		New escalators and lifts on north side of station	APES1 Ch2
		Amendment to include the demolition of the rear part of 197 - 199 Praed Street and the rear part of 19 - 23 Spring Street	APES1 Ch2
		Changes to the new vehicle ramp	APES1 Ch2
		Provision of a temporary service deck on the site of 4 - 18 Bishop's Bridge Road	SES 3 Ch5
		Permanent use of the Red Star Deck as a taxi facility	SES 3 Ch5
		Lower Eastbourne Terrace to relocate proposed western station entrance and relocate the above ground structures, and regrading of Chilworth Street	APES3 Ch3
		Temporary escape facilities	APES3 Ch3
Route Window C3: Hyde Park and Park Lane Shafts	ES Vol 2, Ch 8, section 8.5	Utility works Hyde Park shaft	SES 2 Ch1,4
		Utility works Park Lane shaft	SES 2 Ch1, 5
		Traffic and transport cumulative impacts	SES2 Ch19
Route Window C4: Bond Street Station	ES Vol 2, Ch 8, section 8.6	Utility works (Davies Street)	SES2 Ch1, 6

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
		Utility works (Bond Street Compensation Grout Shafts)	SES2 Ch1, 7
		Utility works (Hanover Square)	SES2 Ch1, 8
		Traffic and transport cumulative impacts	SES2 Ch19
		Congestion relief scheme - additional LU station entrance and ticket hall, and series of underground passages, escalators and lifts	APES3 Ch4
		Congestion relief scheme - Temporary works	APES3 Ch4
		Extension of limits at Hanover Square to include part of highway	APES3 Ch4
Route Window C5: Tottenham Court Road Station	ES Vol 2, Ch 8, section 8.7	Utility works (Tottenham Court Road West)	SES2 Ch1, 9
		Utility works (Tottenham Court Road East)	SES2 Ch1, 10
		Utility works (Tottenham Court Road Station Compensation Grout Shafts)	SES2 Ch1, 11
		Utility works (Tottenham Court Road Fisher Street Compensation Grout Shafts)	SES2 Ch1, 12
		Traffic and transport cumulative impacts	SES2 Ch19
		Realignment of a short section of westbound Crossrail running tunnel and to the LoD along that section	APES1 Ch3
		Construction planning changes at the Astoria site	SES3 Ch6
		Use of New Oxford Street subway for LU ventilation	SES3 Ch6
		Denmark Place - new construction methodology requiring demolition of a building, temporary works	APES3 Ch5
		Revised entrance to Centre Point (existing eastern entrance)	APES3 Ch5
		Newman Street - extension of Newman Street worksite	APES3 Ch5
Route Window C6: Farringdon Station	ES Vol 2, Ch 8, section 8.8	Utility works	SES2 Ch1, 13
		Utility works (Farringdon Station Compensation Grout Shafts)	SES2 Ch1, 14

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
		Utility works (Aldersgate Street Shaft)	SES2 Ch1, 15
		Smithfield Market loading bays and car parking	SES2 Ch33
		Traffic and transport cumulative impacts	SES2 Ch19
		Amendments to lorry numbers at Farringdon	SES3 Ch6
		Relocation of crossover to the east, using different construction methodology and different permanent structures [Note: the project change sought in this part of AP2 was not included in the Bill as reported by the HoC Select Committee]	APES2 Ch3
		Relocation of Charterhouse Street (Fox and Knot Street) shaft	APES3 Ch6
		Extension of limits at Charterhouse Square to include part of highway	APES3 Ch6
		Extension of limits at Lindsey Street, Long Lane and Hayne Street to include part of highway	APES3 Ch6
Route Window C7: Liverpool Street Station	ES Vol 2, Ch 8, section 8.9	Utility works (Liverpool Street West - Moorgate)	SES2 Ch1, 16
		Traffic and transport cumulative impacts	SES2 Ch19
		Relocation of crossover to the east, using different construction methodology and different permanent structures	APES2 Ch3
		Amendment of Finsbury Circus worksite boundaries, layout and access points	APES2 Ch3
		Amendment of sewer diversion location	APES2 Ch3
		Changes to works at Liverpool Street station - an additional Crossrail ticket hall, and additional ticket gates	APES3 Ch7
Route Window C8: Whitechapel Station	ES Vol 2, Ch 8, section 8.10	Hanbury Street shaft site - consideration of alternative locations	SES1 Ch6, appendix 2, appendix 3
		Utility works (Liverpool Street East)	SES2 Ch1, 17

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
		Utility works (Liverpool Street Compensation Grout Shaft)	SES2 Ch18
		Utility works (Whitechapel Station)	SES2 Ch1, 20, mapping
		Review of community impacts	SES2 Ch33
		Enlarged Western Ticket Hall	APES1 Ch4
		Creation of a new pedestrian plaza	APES1 Ch4
		Construction of new emergency escape stairs	APES1 Ch4
		Replacement of two outer bridges	APES1 Ch4
		Permanent closure of Court Street Pedestrian Bridge, and Fulbourne Street Road Bridge will be pedestrianised	APES1 Ch4
		Plain-lining works to be undertaken by Cross London Rail Links Limited	SES3 Ch8
		Changes to construction planning , and changes to lorry routing arrangements	SES3 Ch8
		Clarification of construction noise impacts	SES3 Appendix 2
		Revised construction access arrangements at Durward Street shaft worksite	APES3 Ch8
Route Window C8A: Mile End Conveyor Corridor	ES Vol 2, Ch 8, section 8.11	No change	No change
Route Window C9: Stepney Green Shaft	ES Vol 2, Ch 8, section 8.12	Utility works (Stepney Green)	SES2 Ch1, 21
		Raising of vertical limits for westbound tunnels at Stepney Green	APES3 Ch9
Route Window C10: Lowell Street Shaft	ES Vol 2, Ch 8, section 8.13	Surface rights for temporary access required for construction	APES1 Ch5
Route Window C11: Isle of Dogs Station	ES Vol 2, Ch 8, section 8.14	Bellmouth Passage - southern end of excavated material conveyor and associated worksite to be amended	APES1 Ch6
		Billingsgate - powers for subsurface access	APES1 Ch6

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
		Revised Isle of Dogs station design (include two ticket halls, with improved links) and construction methodology	APES3 Ch10
		Revised scheme to include development of a twin sheet-piled cofferdam	SES4 Ch2
Route Window C12: Mile End Park and Eleanor Street Shafts	ES Vol 2, Ch 8, section 8.15	Utility works	SES2 Ch1, 22
		Reconfiguration of travellers site	APES2 Ch4
		Laundry building and units 1 - 3 of Bow Triangle Business Centre to be acquired and demolished	APES2 Ch4
		Permanent stopping up of Eleanor Street	APES2 Ch4
		New access road for travellers site and business park	APES2 Ch4
		Increase in length of operational access road	APES2 Ch4
		Crossrail worksite amended	APES2 Ch4
Route Window C13: Pudding Mill Lane Portal	ES Vol 2, Ch 8, section 8.16	Businesses in Bow Midland Yard worksite west - impact scenarios considered	SES1 Ch7
		Utility works	SES2 Ch1, 23
		Route diversion of the HAM and WL sewers (gravity-fed route)	APES2 Ch5
		Instalment of permanent shafts	APES2 Ch5
		Manhattan shaft - levelling of site, and new retaining wall	APES2 Ch5
		Payne Road shaft - demolition of existing building	APES2 Ch5
		New linking tunnels	APES2 Ch5
		New permanent access manhole	APES2 Ch5
		Some worksites and associated activities no longer required	APES2 Ch5

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
		pudding Mill Lane worksites - reconfigured worksite arrangement, an additional worksite, demolition of existing buildings	APES3 Ch11
Route Window C13A: Abbey Mills	ES Vol 2, Ch 8, section 8.17	Route diversion of the HAM and WL sewers (gravity-fed route)	APES2 Ch5

Table 1.3 Updates to Crossrail Environmental Statement - Volume 3

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
Errata and other points of clarification are identified within SES1 and should be read in conjunction with the main ES.			SES1 Tables 1.5, 1.6, 1.7
Errata and other points of clarification are identified within SES3 and should be read in conjunction with the main ES and subsequent documents.			SES3 Table A1.1
9. Baseline and environmental impacts for western route section			
Introduction	ES Vol 3, Ch 9, section 9.1	No change	No change
Overview of Crossrail works in Western Route Section	ES Vol 3, Ch 9, section 9.2	No change	No change
The Route Windows	ES Vol 3, Ch 9, section 9.3	No change	No change
Route Window W25: Maidenhead Station	ES Vol 3, Ch 9, section 9.4	Alternative construction access to northern platform worksite at Maidenhead Station, and storage of light materials	APES3 Ch12
Route Window W24: Maidenhead Railway Bridge	ES Vol 3, Ch 9, section 9.5	Requirement for scaffolding	SES2 Ch33
		Reduction in extent of worksite in Guards Club Park and relocation and provision of a pontoon	SES3 Ch9
Route Window W23: Taplow Station	ES Vol 3, Ch 9, section 9.6	No change	No change
Route Window W22: Lent Rise	ES Vol 3, Ch 9, section 9.7	No change	No change

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
Route Window W21: Burnham Station	ES Vol 3, Ch 9, section 9.8	No change	No change
Route Window W20: Dover Road and Leigh Road Bridges	ES Vol 3, Ch 9, section 9.9	Retention of existing Leigh Road Bridge, along with three others and associated track works	SES3 Ch10
		Alternative construction access	SES3 Ch11
Route Window W19: Stoke Poges Lane Bridge	ES Vol 3, Ch 9, section 9.10	No change	No change
Route Window W18: Slough Station	ES Vol 3, Ch 9, section 9.11	Retention of existing Wexham Road bridge along with three others and associated track works	SES3 Ch10
Route Window W17: Middlegreen Road, St Mary's Road and Trenches Bridges	ES Vol 3, Ch 9, section 9.12	Retention of existing St Mary's Road Bridge along with three others and associated track works	SES3 Ch10
Route Window W16: Langley Station	ES Vol 3, Ch 9, section 9.13	No change	No change
Route Window W15: Dog Kennel Bridge	ES Vol 3, Ch 9, section 9.14	New construction method that will extend Chequer Bridge on the north side of the railway as a concrete structure	APES2 Ch6
		Realignment of Hollow Hill Lane	APES2 Ch6
		Minor utility diversions	APES2 Ch6
		Provision of new footpath link from the site to Dog Kennel Bridge	SES3 Ch12
Route Window W14: West Drayton Station	ES Vol 3, Ch 9, section 9.15	Retention of Thorney Land bridge along with three others, and associated track works	SES3 Ch10
Route Window W13: West Drayton Station	ES Vol 3, Ch 9, section 9.16	Relocation of West Drayton stabling sidings and access road, and modified layout to the depot facility [Note: the project change sought in this part of AP3 was not included in the Bill as reported by the Select Committee]	APES3 Ch13
Route Window W12: Horton Road and Old Stockley Road Bridges	ES Vol 3, Ch 9, section 9.17	No change	No change
Route Window W11: Stockley Flyover	ES Vol 3, Ch 9, section 9.18	New access into the worksite via a private road off Swallowfield Way	APES1 Ch7
		Extension of limits at Stockley Close	APES3 Ch14
Route Window W10: Hayes and Harlington Station	ES Vol 3, Ch 9, section 9.19	Modification to the temporary site access	APES1 Ch8
Route Window W9: Southall West Sidings	ES Vol 3, Ch 9, section 9.20	No change	No change

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
Route Window W8: Southall Station	ES Vol 3, Ch 9, section 9.21	No change	No change
Route Window W7: Hanwell Station	ES Vol 3, Ch 9, section 9.22	Revised worksite, construction method, and access route for platform extension work	APES3 Ch15
Route Window W6: West Ealing Station	ES Vol 3, Ch 9, section 9.23	No change	No change
Route Window W5: Ealing Broadway Station	ES Vol 3, Ch 9, section 9.24	No change	No change
Route Window W4: Action Main Line Station and Yard	ES Vol 3, Ch 9, section 9.25	Revisions to worksite layout in Acton yard, new access road	SES3 Ch13
Route Window W3: Old Oak Common Depot	Not proposed in the main ES ES Vol 3, Ch 9, section 9.26	Provision of a segment casting facility	SES3 Ch14
		New depot and associated stabling sidings Old Oak Common	APES3 Ch16
		Additional works required	APES3 Ch16
		Alternative depot strategy - depot and stabling	APES3 Ch17
		New dedicated approach tracks between Ladbroke Grove and Old Oak Common (in route windows W2 and W1)	APES3 Ch17
		Retailing walls, new and remodelled railway junctions and additional tracks, and demolition and replacement of washing facility	APES3 Ch17
Route Window W2: Canal Way	ES Vol 3, Ch 9, section 9.27	Additional works required	APES3 Ch16
		Alternative depot strategy - North Pole Depot	APES3 Ch16, 18
		Relocation of EWS Railway who currently operate from Old Oak Common to North Pole Depot	APES3 Ch18
Route Window W1: Portobello Junction	ES Vol 3, Ch 9, section 9.28	Revisions to trackwork	APES3 Ch2
		Additional works required	APES3 Ch16
Route Window H1 to H5: Crossrail Heathrow	ES Vol 3, Ch 9, section 9.29	No change	No change
10. Baseline and environmental impacts for northeastern route section			
Introduction	ES Vol 3, Ch 10, section 10.1	No change	No change
Overview of Crossrail works in Northeastern Route Section	ES Vol 3, Ch 10, section 10.2	No change	No change

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
The Route Windows	ES Vol 3, Ch 10, section 10.3	No change	No change
Route Window NE1: Stratford Station	Not proposed in the main ES	Train service stopping at Maryland station; selective door opening	SES3 Ch15
Route Window NE2: Forest Gate Station	ES Vol 3, Ch 10, section 10.5	Refurbishment of Forest Gate station to provide access for people with reduced mobility	SES3 Ch16
Route Window NE3: Manor Park Station	ES Vol 3, Ch 10, section 10.6	No change	No change
Route Window NE4: Ilford Station	ES Vol 3, Ch 10, section 10.7	No change	No change
Route Window NE5: Seven Kings Station	ES Vol 3, Ch 10, section 10.8	Stabling facilities at Ilford Depot	APES3 Ch16
		Construction of stabling at an existing depot site at Ilford, involving demolition of two buildings	APES3 Ch19
Route Window NE6: Goodmayes Station	ES Vol 3, Ch 10, section 10.9	Refurbishment of Goodmayes station to provide wheel chair access for people with reduced mobility	APES3 Ch20
Route Window NE7: Chadwell Heath Station	ES Vol 3, Ch 10, section 10.10	No change	No change
Route Window NE8: Romford Depot (West)	ES Vol 3, Ch 10, section 10.11	Transport assessment of a scheme that involved onsite remediation of contaminated material	SES1 Ch8
		Utility works (Romford Depot West)	SES2 Ch1, 24
		Overview of noise barriers and potential visual amenity impacts	SES2 Ch33
		Temporary diversion of the two high pressure gas pipelines [Note: the project change sought in this part of AP1 was not included in the Bill as reported by the Select Committee]	APES1 Ch9
		Additional land for worksite and amended junction for temporary access road at Westlands playing fields at Romford [Note: the project change sought in this part of AP3 was not included in the Bill as reported by the Select Committee]	APES3 Ch21
Route Window NE9: Romford Station and Depot (East)	ES Vol 3, Ch 10, section 10.12	Transport assessment of a scheme that involved onsite remediation of contaminated material	SES1 Ch8

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
		Utility works (Romford Station and Depot East)	SES2 Ch1, 25
		Provision of PRM access at Romford Station	SES3 Ch17
Route Window NE10: Gidea Park Station	ES Vol 3, Ch 10, section 10.13	Refurbishment of Gidea Park Station to provide for PRM access	APES3 Ch22
Route Window NE11: Gidea Park Stabling	ES Vol 3, Ch 10, section 10.14	Temporary access to works via 2a Cambridge Avenue	APES3 Ch23
Route Window NE12: Harold Wood Station	ES Vol 3, Ch 10, section 10.15	Refurbishment of Harold Wood station to provide PRM access	SES3 Ch18
Route Window NE13: LB Havering/Brentwood BC Boundary	ES Vol 3, Ch 10, section 10.16	No change	No change
Route Window NE14: Brook Street	ES Vol 3, Ch 10, section 10.17	No change	No change
Route Window NE15: Brentwood Station	ES Vol 3, Ch 10, section 10.18	No change	No change
Route Window NE16: Thrift Wood	ES Vol 3, Ch10, section 10.19	No change	No change
Route Window NE17: Shenfield Station	ES Vol 3, Ch10, section 10.20	Possessions of the track (assessment of impacts undertaken)	SES2 Ch33
		Revised noise assessment	SES3 Ch19
Route Window R1: Pitsea	ES Vol 3, Ch10, section 10.21	No change	No change
Route Window R2: Clacton	No works currently proposed	Works to accommodate commissioning at Clacton	APES3 Ch16
		Alternative depot strategy - commissioning and testing of Crossrail trains at Clacton	APES3 Ch26
Route Window R3: West Ham reversing facility	No works currently proposed	Provision of train reversing facility at West Ham	APES3 Ch27
11. Baseline and environmental impacts for southeastern route section			
Introduction	ES Vol 3, Ch 11, section 11.1	No change	No change
Overview of Crossrail Works in Southeastern Route Section	ES Vol 3, Ch 11, section 11.2	No change	No change
The Route Windows	ES Vol 3, Ch 11, section 11.3	No change	No change
Route Window SE1: Blackwall Way and Limmo Peninsula Shafts	ES Vol 3, Ch 11, section 11.4	Provision of temporary mooring, which will involve dredging and the provision of bollards	APES1 Ch10
		Reference to jetty at Limmo Peninsula removed	APES1 Ch10

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
		Replacement facility - excavated material handling and barge loading at Instone Wharf	APES3 Ch24
Route Window SE2: Custom House station	ES Vol 3, Ch 11, section 11.5	Utility works	SES2 Ch1, 26
		Realignment of Seagull Lane	APES2 Ch7
		Construction of crossover	SES3 Ch20
Route Window SE3: Connaught tunnel	ES Vol 3, Ch 11, section 11.6	No change	No change
Route Window SE4: North Woolwich Portal and Thames Tunnel	ES Vol 3, Ch 11, section 11.7	Utility works (North Woolwich Portal and Thames Tunnel)	SES2 Ch1, 27
		Utility works (Warren Lane Shaft)	SES2 Ch1, 28
		Horizontal and vertical changes to the alignment	APES4 Ch2
Route Window SE5: Arsenal Way Shaft	ES Vol 3, Ch 11, section 11.8	Utility works	SES2 Ch1, 29
		Revised shaft location for Arsenal Way shaft and worksite [Note: the project change sought in this part of AP3 was not included in the Bill as reported by the HoC Select Committee]	APES3 Ch25
		New station at Woolwich, incorporating Arsenal Way shaft	APES4 Ch2
		Horizontal and vertical changes to the alignment	APES4 Ch2
Route Window SE6: Plumstead Portal	ES Vol 3, Ch 11, section 11.9	Utility works	SES2 Ch1, 30,
		Alternative worksite	APES2 Ch8
		Horizontal and vertical changes to the alignment	APES4 Ch3
		A stand alone emergency intervention shaft is required at Plumstead goods yard	APES4 Ch3
		Plumstead portal realigned	APES4 Ch3
		Realignment of permanent noise barrier	APES4 Ch3
Route Window SE6A: Manor Wharf	ES Vol 3, Ch 11, section 11.10	Further ecology and sediment contamination surveys undertaken	SES2 Ch33
		Alternative site layout	APES1 Ch11

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
		Additional land for storage of excavated material, occasional lorry holding and marshalling	APES1 Ch11
		Upgrade to Norman Road and an internal road	APES1 Ch11
		Temporary road connections	APES1 Ch11
		Realignment of drainage ditch	APES1 Ch11
Route Window SE7: Church Manorway Bridge	ES Vol 3, Ch 11, section 11.11	Utility works	SES2 Ch1, 31
		Replacement of demolished ancillary building	SES3 Ch21
		Works associated with those undertaken in Route Window SE6	APES4 Ch3
Route Window SE8: Abbey Wood Station	ES Vol 3, Ch 11, section 11.12	Utility works	SES2 Ch1, 32
12. Interaction with other major projects			
Introduction	ES Vol 3, Ch 12, section 12.1	No change	No change
Definition of Cumulative Impacts	ES Vol 3, Ch 12, section 12.2	No change	No change
Assessment of Cumulative Impacts	ES Vol 3, Ch 12, section 12.3	Changes in level of programme overlap - later construction start	SES1Ch2
		Impacts of enabling works	SES2 Ch19
		Interface of Crossrail with the Olympic Games, and Olympics Information Paper	SES3 Ch2, Appendix 3
Cumulative Impacts Arising from the Interaction between Crossrail Thames Gateway Bridge (TGB)	ES Vol 3, Ch 12, section 12.4	No change	No change
Cumulative Impacts Arising from the Interaction between Crossrail Woolwich Extension and DLR	ES Vol 3, Ch 12, section 12.5	No change	No change
References	ES Vol 3, Ch 12, section 12.6	No change	No change

Table 1.4 Updates to Crossrail Environmental Statement - Volume 4a

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
Errata and other points of clarification are identified within SES1 and should be read in conjunction with the main ES.			SES1 Table 1.8
1. Introduction	Vol 4a, Ch1	No change	No change
2. Definitions and Sources	Vol 4a, Ch2	No change	No change
3. Mapping	Vol 4a, Ch3	No change	No change

Table 1.5 Updates to Crossrail Environmental Statement - Volume 4b

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
Errata and other points of clarification are identified within SES1 and should be read in conjunction with the main ES.			SES1 Table 1.9
1. Introduction	Vol 4b, Ch1	No change	No change
2. Definitions and Sources	Vol 4b, Ch2	No change	No change
3. Mapping	Vol 4b, Ch3	No change	No change

Table 1.6 Updates to Crossrail Environmental Statement - Volume 5

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
Errata and other points of clarification are identified within SES1 and should be read in conjunction with the main ES.			SES1 Tables 1.10, 1.16
Appendices			
A1: Requirements of the EIA regulations	Vol 5	No change	No change
A2: Scope and methodology	Vol 5	No change	No change
A3: Consultation	Vol 5	No change	No change

Table 1.7 Updates to Crossrail Environmental Statement - Volume 6a

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
Errata and other points of clarification are identified within SES1 and should be read in conjunction with the main ES.			SES1 Table 1.11
Appendices			
B1: Construction mitigation measures	Vol 6a, Chp1	No change	No change
B2: Listed buildings and settlement	Vol 6a, Chp2	No change	No change
B3: Noise and vibration	Vol 6a, Chp3	The basis that noise insulation is likely to be sufficient to mitigate noise impact of surface construction activity in most cases was examined	SES1 Chp3
B4: Air quality	Vol 6a, Chp4	No change	No change
B5: Local planning policies	Vol 6a, Chp5	No change	No change

Table 1.8 Updates to Crossrail Environmental Statement - Volume 6b

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
Appendices			
Water Resources Mapping	Vol 6b	No change	No change

Table 1.9 Updates to Crossrail Environmental Statement - Volume 7

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
Appendices			
C1: Operational structures	Vol 7	No change	No change
C2: Over-site development	Vol 7	No change	No change

Table 1.10 Updates to Crossrail Environmental Statement - Volume 8a

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
Errata and other points of clarification are identified within SES1 and should be read in conjunction with the main ES.			SES1 Table 1.12
Errata and other points of clarification are identified within SES3 and should be read in conjunction with the main ES and subsequent documents.			SES3 Table A1.1
Appendices			
Transport assessment: methodology and principal findings	Vol 8a, Ch6	Changes to temporary impacts as a result of later construction start	SES1 Ch2
	Vol 8a, Ch6	Changes to permanent impacts as a result of later construction start	SES1 Ch2

Table 1.11 Updates to Crossrail Environmental Statement - Volume 8b

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
Errata and other points of clarification are identified within SES1 and should be read in conjunction with the main ES.			SES1 Table 1.13, revised ES Table 8.1, revised ES Table 9.1
Errata and other points of clarification are identified within SES3 and should be read in conjunction with the main ES and subsequent documents.			SES3 Table A1.1
Appendices			
Transport assessment: central route section	Vol 8b, Ch 6, section 6.26 to 6.28	Grout shafts at Charring Cross Road, and extension of worksite	SES2 Ch33
	Vol 8b, Ch7	Smithfield Market loading bays and car parking	SES2 Ch33
	Vol 8b, Ch 12	Surface rights for temporary access required for construction	APES1 Ch5
	Vol 8b, Ch 13	Billingsgate - powers for subsurface access	APES1 Ch5, mapping

Table 1.12 Updates to Crossrail Environmental Statement - Volume 8c

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
Errata and other points of clarification are identified within SES1 and should be read in conjunction with the main ES.			SES1 Table 1.14
Appendices			
Transport assessment: western route section	Vol 8c, Ch16	New access into the worksite via a private road off Swallowfield Way	APES1 Ch7, mapping
	Vol 8c, Ch17	Modification to the temporary site access	APES1 Ch8, mapping

Table 1.13 Updates to Crossrail Environmental Statement - Volume 8d

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
Errata and other points of clarification are identified within SES1 and should be read in conjunction with the main ES.			SES1 Table 1.15
Errata and other points of clarification are identified within SES3 and should be read in conjunction with the main ES and subsequent documents.			SES3 Table A1.1
Appendices			
Transport assessment: eastern route section	Vol 8d	No change	No change

Table 1.14 Updates to Crossrail Environmental Statement - Volume 9a

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
Appendices			
Westbourne Park Bus	Vol 9a	No change	No change
Garage Extension	Vol 9a	No change	No change
Environmental Statement	Vol 9a	No change	No change
Non-technical summary	Vol 9a	No change	No change

Table 1.15 Updates to Crossrail Environmental Statement - Volume 9b

<i>Chapter in the Main ES (February 2005)</i>	<i>Location in the Main ES (February 2005)</i>	<i>Updated and/or Further Information</i>	<i>Location in the ES Document</i>
Appendices			
Westbourne Park Bus	Vol 9b	No change	No change
Garage Extension	Vol 9b	No change	No change
Environmental Statement	Vol 9b	No change	No change
Volume 1, Text and Figures	Vol 9b	No change	No change

Table 1.16 Updates to Crossrail Environmental Statement - Volume 9c

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
Appendices			
Westbourne Park Bus	Vol 9c	No change	No change
Garage Extension	Vol 9c	No change	No change
Environmental Statement	Vol 9c	No change	No change
Volume 2, Appendices	Vol 9c	No change	No change

Table 1.17 Updates to Crossrail Environmental Statement – Addendum

Chapter in the Main ES (February 2005)	Location in the Main ES (February 2005)	Updated and/or Further Information	Location in the ES Document
Errata and other points of clarification are identified within SES1 and should be read in conjunction with the main ES.			SES1 Table 1.17
Addendum			
Minor Utilities Works	Addendum, Ch2, Section 2.1.1	A separate planning application at a later stage will not be required	SES2, Ch1