



Application for Development Consent

Application Reference Number: WWO10001

Examining Authority's Second Written Round of Questions and Requests for Information Response from Thames Water

**Code of Construction Practice Part B: Site Specific Requirements
- Blackfriars Bridge Foreshore (Revised 13 January 2014)**

Doc Ref: **APP72.16**





Code of Construction Practice Part B: Site-specific requirements

Blackfriars Bridge Foreshore

This page intentionally left blank

Thames Tideway Tunnel

Code of Construction Practice Part B

Blackfriars Bridge Foreshore

List of contents

	Page number
1 Introduction	1
1.1 General.....	1
2 General Requirements.....	2
3 Communications and community/stakeholder liaison	2
4 Site operation	3
5 Public access, highway and river transport	4
6 Noise and vibration.....	5
7 Air quality.....	6
8 Water resources	6
9 Land quality.....	7
10 Waste management and resource use.....	7
11 Ecology (aquatic and terrestrial)	7
12 Historic environment	7
13 Other	8

Table of figures

	Page number
Figure 1.1 Blackfriars Bridge Foreshore: Site context and location plan	2
Figure 13.1 Blackfriars Bridge Foreshore: Outline location of Roman boat	9

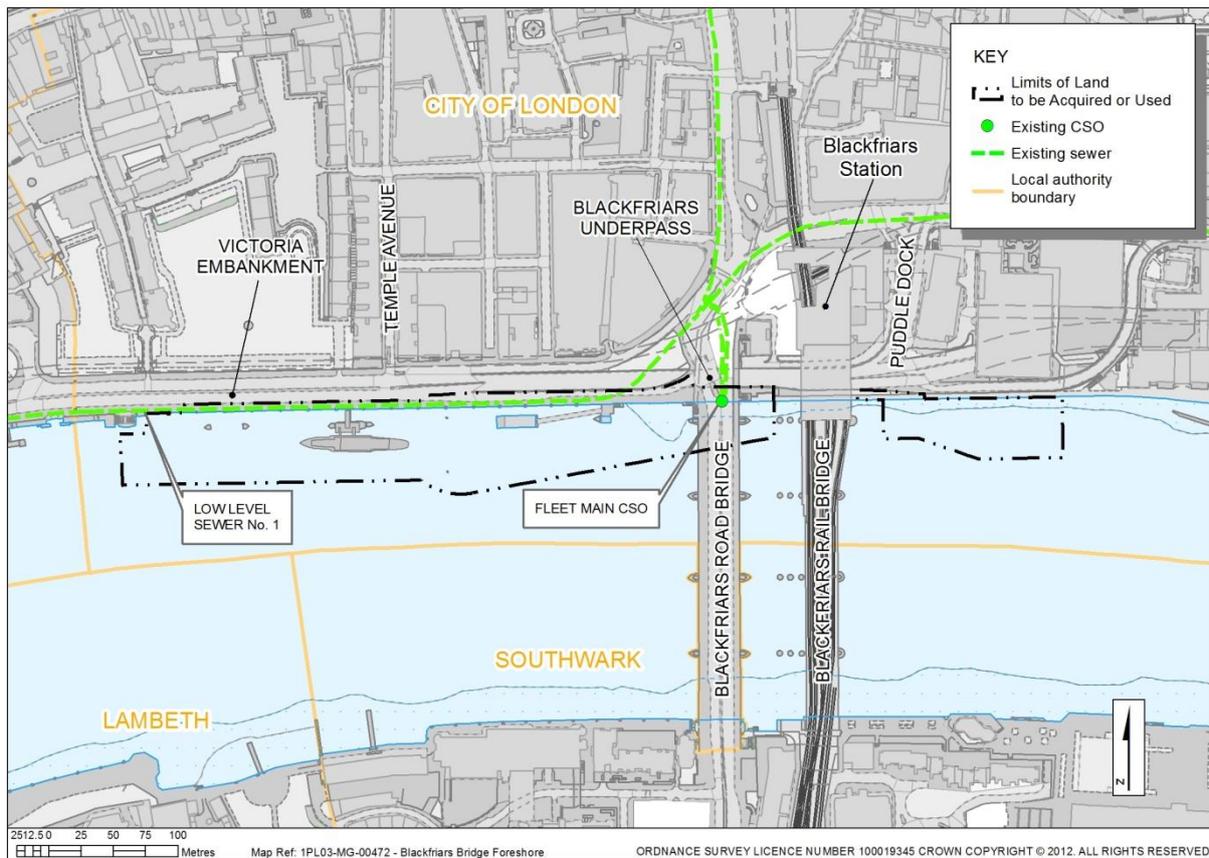
This page intentionally left blank

1 Introduction

1.1 General

- 1.1.1 All works covered within this document are to be managed and performed to the culture within the Thames Tideway Tunnel vision of 'Zero Incidents, Zero Harm, Zero Compromise'.
- 1.1.2 The *Code of Construction Practice (CoCP)* comprises two parts:
 - a. Part A: General requirements. These measures are applicable project-wide.
 - b. Part B: Site-specific requirements. These are site-specific measures, where there are deviations from the general requirements indicated in Part A.
- 1.1.3 This document comprises the *CoCP* Part B for the Thames Tideway Tunnel project works at Blackfriars Bridge Foreshore site and identifies the detailed site-specific measures including working hours, site set up and servicing arrangements, taking into account the environmental issues and consultations with the City of London Corporation and other stakeholders.
- 1.1.4 For ease of reference the *CoCP* Part B mirrors the headings in Part A. The *CoCP* Part B sets out site-specific issues and deviations from Part A so where there are no site-specific measures reference should be made to the measures set out in Part A.
- 1.1.5 A plan showing the location of the site is shown in the Figure 1.1 below.

Figure 1.1 Blackfriars Bridge Foreshore: Site context and location plan



Note: For detailed Limits of Land to be Acquired or Used, refer to drawings in the Book of Plans.

2 General Requirements

2.1.1 As per text in CoCP Part A.

3 Communications and community/stakeholder liaison

3.1.1 The contractor shall liaise with the City of London Boys School with respect to the works to construct the relocated Blackfriars Millennium Pier.

4 Site operation

Topic	Site-specific requirement
Working hours	<p>This site shall adhere to the following working hours:</p> <ul style="list-style-type: none"> a. standard b. extended standard. <p>Other working hours are subject to agreement with the local authority.</p> <p>The contractor is required to engage with the City of London on the planned works, working hours and predicted noise levels, as part of the required construction environmental management plan.</p> <p>It should be noted that the City of London normally restrict noisy work to six hours on weekdays. The works are required to schedule noisy working operations to hours on weekdays (8am to 10am, 12pm to 2pm, 4pm to 6pm), Saturdays 8am to 1pm, with no noisy work on Sundays or Bank Holidays. However, the site is a significant distance from sensitive receptors and standard hours shall apply.</p> <p>Other noisy work that may be generated (including deliveries and maintenance) outside of these standard hours need to be the subject of an application to, and agreement by, the City of London. (a 'Site Hours Variation Request' - justifying the work and methods). This includes work categorised in <i>CoCP</i> Part A as extended working hours, continuous working, out of hours, possession working, tidal working and short notice working.</p>
Site layout	<p>The temporary works construction within the river shall minimise the works within the navigational channel. The detailed methods are to be agreed with the Port of London Authority, Environment Agency and Marine Management Organisation subject to required licenses, navigational risk assessments and consents.</p>
Site security/hoarding requirements	<p>The hoarding is to be as defined in <i>CoCP</i> Part A para. 4.3.4a and b incorporating suitable artwork and viewing windows.</p>
River works	<p>As per text in <i>CoCP</i> Part A.</p>
Other items	<p>A site-specific lighting plan is required. The lighting shall address the impact on aquatic ecology and include the use of low level directional lighting</p>

Topic	Site-specific requirement
	<p>where possible whilst meeting safe work requirements.</p> <p>The City's Code of Deconstruction and Construction Practice Edition 7 shall be referenced.</p>

5 Public access, highway and river transport

Topic	Site-specific requirement
Site access and gates	<p>The site access for construction is to be from the new entrance from the westbound ramp leading down from Blackfriars Bridge apart from the period where the low level no1 interception chamber works are undertaken.</p> <p>During this construction phase access shall be from Blackfriars underpass.</p>
Traffic management	<p>Lorry arrivals are to be strictly controlled and coordinated to set times to ensure that no lorries queue outside of the site.</p> <p>The westbound ramp can only take standard HGV's and not abnormal loads.</p> <p>The area shown for temporary traffic lane closure at the end of the down ramp is to be used only when required. After use, the area is to be restored to highway use. Given notice by the City of London/ Transport for London for traffic reasons, the area shall be restored to traffic as soon as practical after notice.</p> <p>The minimum width of traffic lanes to be retained on the westbound ramp shall be 3.25m.</p> <p>Prior to suspending any coach parking spaces alternative parking spaces shall be provided. The coach parking shall be reinstated on completion of the works unless agreed with the highway authority. It is proposed that subject to the relevant highway consents being obtained the coach parking spaces would be relocated to southbound carriageway of Blackfriars Road (A201) between Webber Street and Westminster Bridge Road/Borough Road (A3202).</p> <p>Existing coach parking and loading bay on the westbound ramp and Victoria Embankment (A3211) shall be suspended.</p> <p>The duration of works effecting traffic lanes including the ramp closure are to be minimised.</p>

Topic	Site-specific requirement
Event restrictions	<p>The London Marathon. Contractor to take appropriate measures prior to and for the duration of the event, including items such as minimising extent of works within the highway.</p> <p>The contractor shall liaise with City of London, Westminster City Council and TfL Event Planning teams with regard to other major events which may affect Victoria Embankment.</p>
River transport	<p>The new pier is to be in place before the closure of the existing pier. Access to the existing and relocated pier to be maintained for both pedestrians and services. Liaison with London River Services (Transport for London) is required.</p> <p>A detailed navigational risk assessment is required as part of the River Works License to confirm that the arrangements for river transport from the works are safe and acceptable to the Port of London Authority.</p>
Other	<p>The diversion of the Thames Path is to be clearly signed.</p> <p>Coordination is required with both City of London and Transport for London on the requirements of amended pedestrian routes to the relocated Blackfriars Pier. This includes notices, pamphlets, guides and signage to the public.</p> <p>The contractor shall attend highways liaison meetings as required by the City of London. The City of London shall provide the contractor with 14 days' notice of such meeting.</p>

6 Noise and vibration

Topic	Site-specific requirement
General	<p>The City of London require the submission of the contractors site-specific construction and demolition statement for agreement with the City of London, for works at Blackfriars Bridge Foreshore including the works to relocate the President and the Millennium Pier.</p> <p>This supersedes the requirement for a separate Section 61 application as required in Section 6.3 of Part A. The submission should include details of:</p> <ol style="list-style-type: none"> a. noise and vibration assessment and calculations normally included within a S61

Topic	Site-specific requirement
	<p>application</p> <p>b. noise and vibration level monitoring details, including real-time monitoring</p> <p>c. non-compliance procedures for noise and vibration monitoring, including notification procedure</p> <p>d. monitoring required for air quality as detailed in Part A.</p> <p>The contractor should liaise with the City of London on these elements in advance of the submission.</p> <p>The loading and unloading of barges would be carried out during standard hours only.</p> <p>It should be noted that the employer retains the right to submit Section 61 applications to the City of London.</p> <p>The contractor shall use 'silent piling' techniques for the eastern end of the Millennium Pier dredged pocket (close to the school premises) and if necessary shall liaise with the school to agree periods when piling can proceed without causing adverse noise impacts close to the City of London Boys School.</p>
Control measures	As per text in <i>CoCP</i> Part A.
Other	As per text in <i>CoCP</i> Part A.

7 Air quality

Topic	Site-specific requirement
Vehicle and plant emissions	As per text in <i>CoCP</i> Part A.
Dust emissions/control	As per text in <i>CoCP</i> Part A.
Odour	As per text in <i>CoCP</i> Part A.
Other	As per text in <i>CoCP</i> Part A.

8 Water resources

Topic	Site-specific requirement
Control of pollution: surface water/groundwater	<p>Reference should be Section 8.3 of <i>CoCP</i> Part A on protection of water courses.</p> <p>The contractors environmental management plan shall include specific control and mitigation measures for minimising risk of contaminated site</p>

Topic	Site-specific requirement
	run off directly to the river during the works, particularly during diaphragm wall construction works
Control on abstraction	As per text in <i>CoCP</i> Part A.
Ground treatment	As per text in <i>CoCP</i> Part A.
Other	As per text in <i>CoCP</i> Part A.

9 Land quality

Topic	Site-specific requirement
Site works	As per text in <i>CoCP</i> Part A.
Site-specific issues/mitigation	As per text in <i>CoCP</i> Part A.

10 Waste management and resource use

Topic	Site-specific requirement
Excavated material	As per text in <i>CoCP</i> Part A.
Resource usage	As per text in <i>CoCP</i> Part A.
Other	As per text in <i>CoCP</i> Part A.

11 Ecology (aquatic and terrestrial)

Topic	Site-specific requirement
Protection of habitats	Membrane to be installed between riverbed and temporary backfill material to prevent contamination of juvenile fish habitat and benefits in preserving potential archaeology. Areas of foreshore used for temporary works shall be restored to similar condition and material as was present prior to the works.
Protection of trees	Specification for replacement trees to be agreed with Transport for London and includes species, size, source, pit design and finish.
Other	As per text in <i>CoCP</i> Part A.

12 Historic environment

Topic	Site-specific requirement
-------	---------------------------

Topic	Site-specific requirement
Other	<p>The contractors working methods are to minimise risk of accidental striking the listed bridge. Protection barriers shall be installed as required but not attached to the structure unless otherwise agreed.</p> <p>During construction of the new river wall as part of the Blackfriars underpass work a Roman boat was uncovered in the cofferdam (see Figure 13.1). The location is between the road and rail bridges. The contractors method for the river works shall minimise the risk of impact on the boat location by selecting suitable river plant and operating procedures.</p> <p>The sturgeon lamp stands shall be carefully removed, stored and reinstated in their current positions as far as it is possible. The existing replica lamp stands shall be replaced with originals from elsewhere (by agreement) or new castings from the original moulds.</p> <p>Existing granite blocks are to be used to make up the joint between new and old river wall sections.</p>

13 Other

Topic	Site-specific requirement
Other	As per text in <i>CoCP</i> Part A.

Copyright notice

Copyright © Thames Water Utilities Limited January 2014.
All rights reserved.

Any plans, drawings, designs and materials (materials) submitted by Thames Water Utilities Limited (Thames Water) as part of this application for Development Consent to the Planning Inspectorate are protected by copyright. You may only use this material (including making copies of it) in order to (a) inspect those plans, drawings, designs and materials at a more convenient time or place; or (b) to facilitate the exercise of a right to participate in the pre-examination or examination stages of the application which is available under the Planning Act 2008 and related regulations. Use for any other purpose is prohibited and further copies must not be made without the prior written consent of Thames Water.

Thames Water Utilities Limited

Clearwater Court, Vastern Road, Reading RG1 8DB

The Thames Water logo and Thames Tideway Tunnel logo are © Thames Water Utilities Limited. All rights reserved.

