



	public spaces	public spaces cannot be retained, ways to their local amenity value should be explored.
3.3	New spaces	Any new or adapted spaces should help to integrate the landings into the local landscape and streetscape. The Scheme should not create leftover, unusable, secluded, dead-end or other types of unsafe space.
3.4	Trees and landscape	The design of the landings should, where possible enable the retention, protection, enhancement and enjoyment of planting, trees and other ecological value within the scheme boundary. Any new or replacement planting and trees should be of equal or greater ecological value, visual scale, townscape and local amenity value and their maintenance should be considered as part of the design process.

C. USER EXPERIENCE

4. Deck & experience

These principles guide the approach to designing the spaces on the link and ensuring it meets the Mayor's Healthy Streets Vision.

Wording from design vision:

The bridge will be an enjoyable, safe and comfortable new route and experience for all, and in turn enable and promote the enjoyment of the public realm.

	Title	Text
4.1	General width and arrangement	The walking and cycling areas of the main span and ramps should follow best practice and London Cycle Design Standards (LCDS) as far as is practical. This should include full or partial segregation and be designed for high/very high flows according to LCDS. The aim should be for a typical minimum effective width of 3.3m for walking and 3.4m for two-way cycling. Where possible and where it is cost effective the pedestrian areas should be made wider. Any transition between widths for cyclists should be smooth.
4.2	View and rest points	In addition to areas for movement, space should be incorporated that offers users the opportunity to rest and appreciate views. At this point the space should become a clearly delineated shared space for a short section. The location should be chosen based on the point where the best views can be achieved, the positive impact the space will have on cycle speed calming and the impact on the overall structure of the bridge and



		resultant cost. If possible this should be combined with waiting areas.
4.3	Relationship between ramps, steps and lifts	The entry and exit points of every mode of vertical circulation (steps, ramps, lifts) should be within the same space or as a minimum clearly visible from one another. All modes of vertical circulation should, in general, be equally attractive to users for walkers and should include relevant accessibility measures.
4.4	Interaction between walkers and cyclists	Careful consideration needs to be given to the interaction between walkers and cyclists in all accessible parts of the crossing. The spaces should be designed to promote civilised and courteous behaviour and should be designed for a minimum pedestrian comfort level of B+. Walking and cycling spaces should be visually contrasting and separated by minimal physical separation.
4.5	Direction of movement and directness	The entry and exit points to the landings should be in the same direction as the overall orientation of the route of the crossing and provide as direct and comfortable a connection as possible
4.6	Visibility / legibility	The main onward walking and cycling connections must be clearly visible from the exit points of the crossing, generally in the direction of travel of leaving the crossing.
4.7	Waiting areas	Waiting areas should be provided for when the crossing is in its open position (if appropriate). The areas should be sized based on predicted numbers of users with an additional allowance for those attracted by the opening so as to limit the impact on existing spaces and residents and allow for future growth. The spaces should be located to minimise the disruption caused by the bridge opening and allow good views of the bridge in its dynamic form. They should include places to rest including seating. Any barrier systems should be integrated into the structure of the bridge.



D. WIDER WALKING AND CYCLING NETWORK

5. Connections

These principles guide the approach to connecting into the walking and cycling networks on both sides of the river.

Wording from design vision:

	Title	Text
5.1	Cycle connections	The Scheme should tie the landings into existing cyclable routes in a way that meets the LCDS design outcomes of safety, directness, comfort, coherence, attractiveness, adaptability and convenience. The main routes should make sufficient provision to cater for <i>high/very high</i> flows of cyclists. Where such connections fall outside of the Scheme boundary, a separate package of complementary measures will be explored by TfL. These will aim to enhance key connections within a 5 minute cycle from the landing should be developed jointly between TfL, the local highway authority and any relevant landowners.
5.2	Walking connections	The Scheme should tie the landings into existing walking routes in away that provides direct, comfortable and safe walking connections to key destinations and satisfies Healthy Streets indicators. Where such connections fall outside of the Scheme boundary a separate package of complementary measures will be explored by TfL. These will be aimed at enhancing key connections within a 10minute walk should be developed jointly between TfL, the local highway authority and any relevant land owners.
5.3	Impact on existing routes	The landings should avoid restricting existing walking and cycling routes. Where there is an unavoidable impact, routes should be redesigned to provide appropriate walking and cycling comfort levels including an allowance for growth.
5.4	Legibility	The landings and routes to them should be visible and legible from a series of points along the main walking and cycling routes to the crossing. A signage and wayfinding strategy should be developed.



APPENDIX B – FORM OF PARENT COMPANY GUARANTEE



SCHEDULE 4B

(Form of Parent Company Guarantee - Call Off Contract)

Form of Parent Company Guarantee - Call Off Contract

(Letterhead of Parent Company)

To: [insert name and address of the Employer] Date:

Dear Sir/Madam

We, [insert name of Guarantor] ("**the Guarantor**"), understand that you have agreed to enter into a Call Off Contract No [insert reference] ("**the Call Off Contract**") with [insert name of Consultant] ("**the Consultant**") in respect of [briefly describe nature of the Services/Project] on the condition that the obligations of the Consultant under the Call Off Contract be guaranteed by a Guarantor.

We are [recite the relationship of the Guarantor to the Consultant], and we warrant to you that this description of our relationship with/to the Consultant is true and accurate in all material respects.

WE HEREBY AGREE AND UNDERTAKE with you as follows:-

- (a) We unconditionally guarantee on demand:
- (i) the proper, complete and punctual performance by the Consultant of any and all its obligations, undertakings and responsibilities under the Call Off Contract and we shall forthwith make good any default there under on the part of the Consultant;
 - (ii) the due and punctual payment by the Consultant of all sums, liabilities, awards, losses, damages, costs, charges and expenses that may be or become due and payable under or arising out of the Call Off Contract in accordance with its terms or otherwise by reason or in consequence of any such default on the part of the Consultant when and as the same shall become due for performance or payment (as the case may be).
- (b) As a separate and primary obligation we unconditionally guarantee to you that in the case of default by the Consultant in making any of the payments or in performing any of the obligations, undertakings and responsibilities set out in paragraph (a) above, we shall on demand pay all sums and observe and perform any or all of such obligations, undertakings and responsibilities as if we instead of the Consultant were the primary obligor. Any payment under this Guarantee shall be made by us in pounds sterling or in any currency which may from time to time replace pounds sterling.



- (c) This Guarantee shall be a continuing security and shall remain in full force and effect until all obligations to be performed or observed by the Consultant under or arising out of the Call Off Contract have been duly and completely performed and observed and the Consultant shall have ceased to be under any actual or contingent liability to you thereunder.
- (d) Any demand or other notice made by you under this Guarantee shall be duly made if sent by first class recorded delivery post to us.
- (e) You shall be entitled to enforce this Guarantee without first notifying the Consultant of any default or taking any proceedings or demanding upon, enforcing or exhausting any right or remedy against the Consultant or any other person or taking any action to enforce any other security, bond or guarantee held by you or making or filing any claim in a bankruptcy, liquidation, administration or insolvency of the Consultant or any person.
- (f) If any sum due or purportedly due under this Guarantee is not or would not be recoverable under a guarantee for any reason whatsoever, whether or not known to you, such sum shall still be recoverable from us as a sole principal debtor upon the terms of this Guarantee.

PROVIDED THAT:

- 1. We shall be under no greater obligation or greater liability under this Guarantee than we would have been under the Call Off Contract if we had been named as the Consultant in the Call Off Contract.
- 2. Our obligations hereunder are those of primary obligor and shall remain in full force and effect and shall not be terminated, reduced, discharged or otherwise affected by:
 - (a) any alteration or variation to the terms of the Call Off Contract made by agreement between you and the Consultant (including, without limitation, any increase in the Consultant's obligations under the Call Off Contract or any alteration in the extent or nature or sequence or method or timing of the services to be carried out under the Call Off Contract) or any novation of the Call Off Contract (in whole or in part); or
 - (b) any time being given to the Consultant or any other indulgence, waiver, concession, forbearance or forgiveness to the Consultant (whether express or by conduct) or any other thing done, omitted or neglected to be done under the Call Off Contract; or



- (c) any other bond, security or guarantee now or hereafter held by you for all or any part of the obligations of the Consultant under the Call Off Contract; or
- (d) the release or waiver of any such bond, security or guarantee referred to in paragraph 2(c) above; or
- (e) any amalgamation, reconstruction or dissolution including, without limitation, winding-up of the Consultant; or
- (f) the winding-up, bankruptcy, administration, receivership or insolvency of the Consultant; or
- (g) any legal limitation, disability or incapacity relating to the Consultant or discharge by operation of law or any change in the constitution, name or style of the Consultant or any other person (whether or not known to you); or
- (h) any total or partial invalidity in, irregularity affecting or unenforceability of any of the obligations of the Consultant under the Call Off Contract; or
- (i) the termination or partial termination of the Call Off Contract or the cessation of any services for any reason or the making of any variation to the services in accordance with the Call Off Contract; or
- (j) any claim or enforcement of payment from the Consultant or any other person;
- (k) any act or omission which would not have discharged or affected the liability of a sole principal debtor instead of a guarantor or any act or omission, matter or thing which, but for this provision, might operate to exonerate, discharge, reduce or extinguish our liability under this Guarantee.

3. So long as we remain under any actual or contingent liability under this Guarantee, we shall not exercise any right of subrogation or any other right or remedy which we may have against the Consultant in respect of any payment made by or sum recovered from us pursuant to or in connection with this Guarantee or prove in any liquidation of the Consultant in competition with you for any sums or liabilities owing or incurred to us by the Consultant in respect of any such payment by or recovery from us or take or hold any security from the Consultant in respect of any liability of ours hereunder. We shall hold any monies recovered or security taken or held in breach of this provision in trust for you.



4. Except where prevented from doing so by law, we waive and agree not to enforce or claim the benefit of any and all rights we have or may from time to time have as guarantor under any applicable law which is or may be inconsistent with any of the provision of this Guarantee.
5. This Guarantee is irrevocable.
6. This Guarantee, executed and delivered as a deed, is governed by and shall be construed in accordance with the law of England and Wales. The courts of England shall have exclusive jurisdiction to settle any dispute which may arise out of or in connection with this Guarantee except that you have the right in your absolute discretion to enforce a judgment and/or to take proceedings in any other jurisdiction in which we are incorporated or in which any of our assets may be situated. You and we agree to submit to that jurisdiction.

[For non-UK resident Guarantors only:

7. For the purposes of this Guarantee we hereby appoint of (to be a London address) to accept service of process on our behalf, and service on the said at the said address shall be deemed to be good



service on us; and we hereby irrevocably agree not to revoke or terminate such appointment.]

- 8. You will be entitled to assign the benefit of this Guarantee in whole or in part but we may not assign the benefit and/or delegate the burden of this Guarantee in whole or in part or enter into any transaction which would result in any of those benefits and/or burdens passing to another person.
- 9. If any provision (in whole or in part) of this Guarantee is found by any court, tribunal, administrative body or authority of competent jurisdiction to be wholly or partly illegal, invalid or unenforceable then that provision shall, to the extent required, be severed from this Guarantee and shall be ineffective, without, so far as is possible, modifying any other provision of this Guarantee and this shall not affect any other provisions of this Guarantee which shall remain in full force and effect.

Executed as a Deed and delivered the day and year written above. Executed as a Deed by)

[Parent Company]) Director
 acting by a Director and the)
 Secretary or by two Directors)
 Director/Secretary

OR

The common seal of)
 [Parent Company]) Director was
 affixed in the presence of:)
)
 Director/Secretary

**ANNEX A****ARCADIS ROTHERHITHE TO CANARY WHARF CROSSING BRIDGE OPTIONS STUDY
AND APPENDICES – PROVIDED ON THE ENCLOSED CD**

Document Title
ST_PJ585C-ARC-BAS-ZZ-REP-ZZ-100008_Bridge Options Study redacted.pdf
Options Study Appendix Contents.pdf
Options Study Appendix A.pdf
Options Study Appendix B.pdf
Options Study Appendix C.pdf
Options Study Appendix D.pdf
Options Study Appendix E.pdf
Options Study Appendix F.pdf



ANNEX B

ARCADIS TECHNICAL MEMORANDA – PROVIDED ON THE ENCLOSED CD

Document Title
UA009683-ARC-MEM-000046 Deck arrangements_v2.pdf
UA009683-ARC-MEM-000041 Meeting with Thames Tideway.pdf
UA009683-ARC-MEM-000029 Parking.pdf
UA009683-ARC-MEM-000026 Navigation Route through the Isle of Dogs.pdf
UA009638-ARC-REP-100002 - Landings Workshop
UA009638-ARC-MEM-012 Scour Afflux.pdf
UA009638-ARC-MEM-011 Domain analysis.pdf
UA009638-ARC-MEM-010 Navigation.pdf
UA009638-ARC-MEM-00034 - Analysis of Marico Marine boat height data.pdf
UA009638-ARC-MEM-00020 Geotechnical Desk Study.pdf
UA009638-ARC-MEM-000070 User Requirements vs Navigational Clearances.pdf
UA009638-ARC-MEM-00007 Opening times.pdf
UA009638-ARC-MEM-00006 Width and Segregation for pedestrian path and cycle lane.pdf
UA009638-ARC-MEM-000053 Shortlist of combined landing sites and crossing location options.pdf
UA009638-ARC-MEM-000048 Notable examples of movable bridges of different types.pdf
UA009638-ARC-MEM-000047 - Marico Marine MAY17-JUL17 170825 (002).pdf
UA009638-ARC-MEM-000045 - Walking time review for landing sites.pdf
UA009638-ARC-MEM-000043 Tower Bridge Log Book Analysis Feb- 19 June 2017.pdf
UA009638-ARC-MEM-000042 - Snow Loading.pdf
UA009638-ARC-MEM-000037 - Site Details.docx
UA009638-ARC-MEM-000036 Span options.pdf
UA009638-ARC-MEM-000035 Mechanical Considerations.pdf
UA009638-ARC-MEM-000033 Vertical Access.pdf
UA009638-ARC-MEM-000032 - Crossing Selection Matrix.pdf
UA009638-ARC-MEM-000030 - Landing Points.pdf
UA009638-ARC-MEM-000027 Thames Vision 2035.pdf
UA009638-ARC-MEM-000024 Summary of BGS Borehole Data.pdf
UA009638-ARC-MEM-000023 - Cycle Model Delay Time Bridge Openings.pdf
UA009638-ARC-MEM-000022 - Wind Survey - Analysis.pdf
UA009638-ARC-MEM-000021 Alternative Options for long ramps.pdf
UA009638-ARC-MEM-000019 Ship impact.pdf
UA009638-ARC-MEM-000016 Bridge Typology.pdf
UA009638-ARC-MEM-000014 Number of openings.pdf
UA009638-ARC-MEM-000013- Boat Height Distribution May - July 2017.pdf
UA009638-ARC-MEM-000009- Ramp Lengths Sites.pdf
UA009638-ARC-MEM-000008 Additional Ramp Data.pdf
UA009638-ARC-MEM-000004-Headroom on existing structures
UA009638-ARC-MEM-000003-slope gradient
UA009638-ARC-MEM-000002-Headroom, gradients, opening



UA009638-ARC-MEM-000001-Travel time
UA009638-AKA-MEM-000071 Matrix Users Flow.xlsx
UA009638-AKA-MEM-000063 Initial Reduction_River.pdf
UA009638-AKA-MEM-000062 Wider Site.pdf
UA009638-AKA-MEM-000060 - Location Selection.pdf
UA009638-AKA-MEM-000050 - Logic Diagram.pdf
UA009638-ARC-MEM-000042 - Site Details -JP Morgan.docx



ANNEX C

OTHER DOCUMENTS PART 1 – PROVIDED ON THE ENCLOSED CD

Document Title
17UK1303_003_TfLSurvey_Jul-17_Issue-01.pdf
17UK1303_TFL_SurveySheet_June_01.xlsx
17UK1303_TFL_SurveySheet_May_01.xlsx
17UK1303_TfLSurvey_002_June_01.pdf
2008 Ramboll appendix C - Consultation_v2A.pdf
2008 Ramboll Appendix D - Site Constraints.pdf
2008 Ramboll Appendix E - Geological section and hydrographic chart.pdf
2008 Ramboll Appendix F - Site selection.pdf
2008 Sustrans_ThamesBridge_Demand_Forecast.pdf
2008_Sustrans.Thames.Bridge.Outline.Appraisal.pdf
2008_Sustrans.Thames.Bridge.preliminary.report.pdf
2008_Sustrans.Thames.Bridge.Tech.Feasibility.pdf
2015-05-28 LU advice re tunnel proximity.pdf
20170613 Bridge Action Group concerns.docx
20170613 Bridge Action Group.docx
20170620 TfL-Tower Bridge Knowledge Share.pdf
20170817 - IIDR DRAFT WIP.pptx
310517-03.02-R2CWEng_Inf_Gap_Analysis_20170227-AL.xlsx
BCM RCW v3.4 user demand only.xlsx
BCM RCW v3.4_For Arcadis.xlsx
Bridge Lift logs Feb-June 2017.pdf
BridgeLiftTotals 2012-2014.pdf
Consultation material 2.pdf
DS Greenland walk time to CW.pdf
DS walk time to CW.pdf
Greenwich Foot Tunnel capacity surveys v1.1.docx
Jones_Thames_Screenline_PedsCycles_All.xls
Jubilee line plan.pdf
July_Rotherhithe_CanaryWharf_Data.xlsx
MSR v.03 211216 FINAL DRAFT.docx
Option Assessment Report_Long List_JUNE UPLOAD.doc
Option Assessment Report_Short List_JUNE UPLOAD.doc
Profile and directionality (BCM v3.4).xlsx
R2CW Conflict analysis 20170222 Final.xlsx
R2CW Forum Working Group notes.xlsx
R2CW Narrative Principles.docx
R2CW Pedestrian Demand forecasting v1_0.docx
R2CW Public engagement_FINAL - Rotherhithe.pdf
R2CW Scope&Func Matrix 20170222.xlsx
R2CW Swing Bridge Concept 20160614_v2.docx
R2CW Tech Scope Func Serv Draft 2 20170227 AL comments.docx



Rotherhithe to Westferry Immersed Tube Tunnel concept - AL comments.docx
Rotherhithe_CanaryWharf_Data_MaytoJuly.xlsx
Rotherhithe-Canary Wharf Bridge Cynemon and CYPET Analysis v9.pdf
Rotherhithe-Canary Wharf Crossing Cynemon Forecast Analysis v3.docx
SOBC_v4.2.doc



ANNEX D

OTHER DOCUMENTS PART 2 – PROVIDED ON THE ENCLOSED CD

Document Title
ST_PJ585C-ARC-BAS-ZZ-REG-CE-40001 CDM Risk Register.xlsx
ST_PJ585C-ARC-BAS-ZZ-REG-CE-40002 Project Risk Register.xlsx
ST_PJ585C-ARC-BAS-ZZ-REG-ZZ-100001 - Marico Marine Log Book Analysis May and June 2017.pdf
ST_PJ585C-ARC-BAS-ZZ-REP-CE-100004 Key Assumptions Report.pdf
ST_PJ585C-ARC-BAS-ZZ-REP-CE-100005 Survey Scope and Specification.pdf
ST_PJ585C-ARC-BAS-ZZ-REP-EN-100006 Rotherhithe to Canary Wharf Crossing Environmental Review.pdf
ST_PJ585C-ARC-BAS-ZZ-REP-EN-100011 System Introduction Presentation.pdf
ST_PJ585C-ARC-BAS-ZZ-REP-ZZ-10007 - R2CW Project Execution Plan.pdf
Sustrans Thames Cycle Bridge Appendix A Business Case v004.pdf
Sustrans Thames Cycle Bridge Appendix B User Flows and Crowds v002.pdf
Sustrans Thames Cycle Bridge Appendix C Vessel Traffic Analysis v003.pdf
Sustrans Thames Cycle Bridge Appendix D Planning Policy Review v001.pdf
Sustrans Thames Cycle Bridge Appendix E HEAT Results v001.pdf
Sustrans Thames Cycle Bridge Chapter 1 Introduction v004.pdf
Sustrans Thames Cycle Bridge Chapter 2 Business Case v005.pdf
Sustrans Thames Cycle Bridge Chapter 3 Site Parameters and Constraints v002.pdf
Sustrans Thames Cycle Bridge Chapter 4 User Parameter v003.pdf
Sustrans Thames Cycle Bridge Chapter 5 Navigational Parameters and Impacts v004.pdf
Sustrans Thames Cycle Bridge Chapter 6 Operational Parameter v003.pdf
Sustrans Thames Cycle Bridge Chapter 7 PEA Report v002.pdf
Sustrans Thames Cycle Bridge Chapter 8 Outline Connectivity Assessment v003.pdf
Sustrans Thames Cycle Bridge Chapter 9 Further Work v004.pdf



ANNEX E
INFORMATION NOT SHARED - THIS IS TO ENSURE FULL TRANSPARENCY

Document Title	Reason withheld
UA009638-ARC-MEM-000038 - Relative Cost.pdf	Commercially sensitive
UA009638-ARC-MEM-000049 - Options Cost.pdf	Commercially sensitive
PJ585C-ARC-BAS-ZZ-REP-ZZ-100007_Rev 02 - R2CW Project Execution Plan.pdf	Commercially sensitive
_PJ585C-ARC-BAS-ZZ-REP-CE-100005 Access CDT Presentation.pdf	Copyright
UA009638-ARC-REP-100003 - Height Workshop Presentation.pdf	Commercially sensitive
UA009638-ARC-REP-100002 - Landings Workshop	Commercially sensitive
UA009638-ARC-MEM-000049 Options Cost	Commercially sensitive
UA009638-ARC-MEM-000038 Relative Cost	Commercially sensitive
Option Sketches pdf	Superseded
Lifts and Step Free Access.pptx	Superseded
LB Southwark.zip	Copyright
PLA requirements	Superseded



SECTION FOUR

QUALITY SUBMISSION



Framework Ref: PSF 91313

ROTHERHITHE TO CANARY WHARF RIVER CROSSING

Engineering and
Architectural Services

Project Ref: tfl_scp_001144_co011

January 2018



Transport
for London

Foreword

I am delighted to submit this tender for Rotherhithe to Canary Wharf Crossing (Engineering and Architectural Services) to support TfL in delivering the Traffic and Works Act Order Application.

This is a key project for TfL, this new river crossing would provide a direct and attractive route for pedestrians and cyclists travelling between south and east London helping to improve the share of trips being made by walking and cycling in line with the Mayor's aim for 80 per cent of Londoners' trips to be on foot, by cycle or by using public transport by 2041.

Atkins is delighted to be given the opportunity to help TfL take this project through the TWAO application process. We have brought together a team of design, construction and moving bridge specialists who will work in collaboration with TfL to develop the Design to support this process.

Our capabilities and understanding of the TWAO process, coupled with an excellent co-located Project Team will integrate with TfL and their other advisors. Our overriding objective is to ensure TfL have a successful design that can be taken forward to full implementation.

I hope you feel Atkins and our staff are as well placed as I do to deliver this project with efficiency, certainty and value.

Yours Faithfully