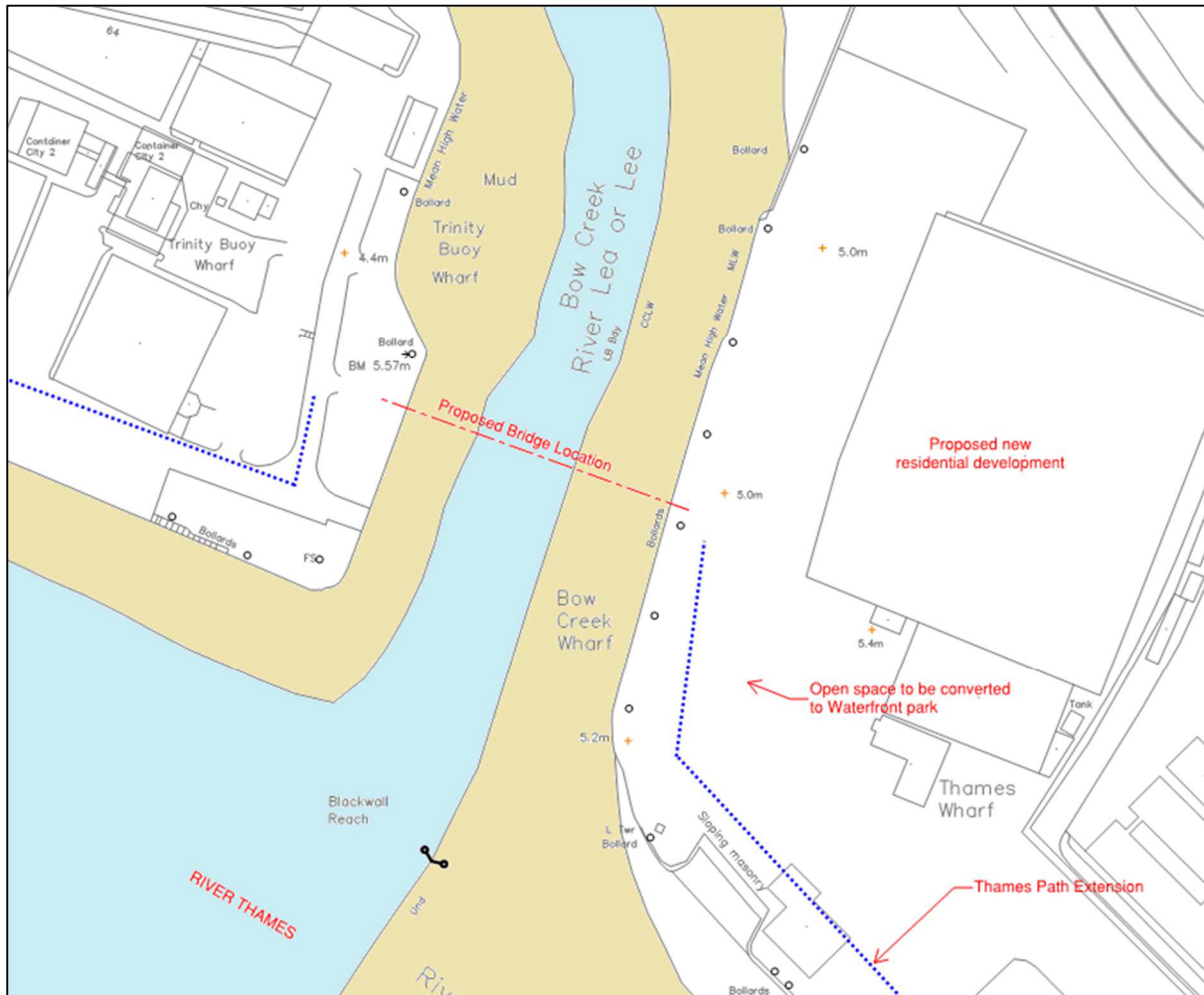


IABSE Future of Design Conference 2015

Young Designer's Programme: Design Competition Brief

Mouth of Bow Creek, London

A new pedestrian and cycle bridge is required at the mouth of Bow Creek in East London to link a new residential development to East India DLR station and to extend the Thames Path.



A permanent navigational clearance envelope 35m wide should be provided, to a height of 6.5m AOD. Access for boats taller than this is also required, with a clearance envelope of 13.3m AOD. This may be provided by an opening or moving structure or a fixed high level structure.

The river is tidal and dries to a trickle at low tide. High tide (Mean High Water Springs - MHWS) is +3.91m AOD.

A minimum handrail to handrail width of 3.5m should be provided for unsegregated bicycle and pedestrian traffic. Bridge approaches should be accessible for disabled users, with the maximum slope for ramps limited to 1:20.

It can be assumed that the ground level on the west of Bow Creek is +5.57m AOD, and the ground level on the east is +5.0m AOD.

Foundation conditions:

Ground to -3.0m AOD	Made ground
-3.0m to -16.0m	Gravel
-16.0m to -30.0m	Thanet Sands
-30.0m +	Chalk bedrock

A map of the site in dwg format is provided with the brief. A local postcode is E14 0JY.



Aerial View of site from south east



View from west bank



View up-river from west bank

Programme

10th June 2015	Design Brief issued
15th June 2015	End of questions period. Any questions about the brief or the competition should be sent to events@iabse.org.uk . Answers will be made available to all competitors and published on the IABSE UK website on the 20 th June.
5pm, 10th August 2015	Deadline for competition submission
1st September 2015	Shortlisted entries notified
10th September 2015	Judging at the IABSE FoD conference

Judging Criteria

The submissions will be judged by a jury of engineers and architects on the basis of the following criteria:

- Structural feasibility
- Innovation
- Appearance and suitability to the site
- Consideration of construction and buildability

While the solution should aim to satisfy the brief, a more elegant solution may be admissible even if it is outside the formal requirements.

It is to be noted that the judging criteria focus on the solution to the brief, rather than the mode of presentation. While the quality of the presentation may affect the judges' decision, it is not essential to produce computer rendered images of a scheme; high quality hand sketches are an adequate communication device.

Depending on the number of submissions received, the jury may decide to shortlist ten (or more) schemes to be presented at the conference.

Prizes will be awarded at the jury's discretion.

Submission

Submissions are to consist of a single A2 size board, submitted in pdf format by email to events@iabse.org.uk. Boards should include the team's identification number clearly located in one corner. No other identifying marks (e.g. entrant names, company/organisation names or logos) should be displayed on the boards.

Entries may be submitted before 5pm on the 10th August. Entries received later than this time will be rejected.

Entries should be accompanied by the name of a team member that will be attending the conference. Entries will not be considered for shortlisting if none of the team are available to attend.

The organising committee will arrange for the shortlisted schemes to be printed. These boards will be displayed for public viewing throughout the conference, and will be available for collection at the end of the day.