



# IABSE Future of Design Manchester 2024

## Young Designer's Competition: Design Brief

### *Circular Economy – Repurposing an Existing Structure.*

## 1.0 Brief

The importance of circular economy in construction is key to ensuring a sustainable future. One way to implement this is to reuse materials from redundant structures in new builds, rather than producing new, energy intensive elements.

The proposed brief is to take an existing bridge or structure and reuse its elements to create something new. It can be any existing structure with any features you like, and it can be transformed into anything from a sculpture to a new bridge with an alternative purpose. Consideration must be given to reusing as many elements as possible from the existing bridge or structure.

## 2.0 Vision for the structure

The new structure is to be constructed in the city of Manchester. The location of the new structure does not necessarily have to be the same as the original.

- At least 70% of the new structure should come from the original structure. There should be a vision for the elements that have not been reused (e.g. recycling / repurposing etc.)
- It must have a different purpose to the existing structure.
- It should be a permanent structure with relevance and legacy for Manchester.

Note, this structure can take any form. In addition, reasonable assumptions can be made as to what the original structure is formed of.

## 3.0 Proposal

Designers are expected to propose designs which meet the aspirations in section 2. They may propose a suitable location for the structure within the city. As well as the conceptual design element, designers should demonstrate that they have considered more technical aspects of the design.

The judging criteria will be as follows:

- Structural feasibility
- Innovation
- Adherence to design brief
- Consideration of buildability and ongoing maintenance
- User experience (aesthetics, community engagement, function)

The submissions will be judged by a jury of engineers and architects based on these criteria.

It should 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 the scheme; high quality hand sketches are an adequate visual communication device.

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

## **4.0 Submission details**

### **4.1. Format**

Submissions are to consist of a single A2 size board, submitted in pdf format by email to [events@iabse.org.uk](mailto: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 must be submitted before 5pm on 2<sup>nd</sup> April 2024. Entries received later than this time will be rejected.

Entries should be accompanied by the name of a team member who 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.

Teams may consist of up to four team members. All entrants must be under 35 years of age on the date of the conference. A prize of £200 will be awarded to the winning team.

### **4.2. Programme:**

27 <sup>th</sup> February 2024	Design Brief issued
22 <sup>nd</sup> March 2024	End of questions period. Any questions about the brief or the competition should be sent to <a href="mailto:events@iabse.org.uk">events@iabse.org.uk</a> . Answers will be made available to all competitors and published on the IABSE UK website.
5pm, 2 <sup>nd</sup> April 2024	Deadline for competition submission
5 <sup>th</sup> April 2024	Shortlisted entries notified
9 <sup>th</sup> April 2024	Judging and Presentation at the IABSE FoD Conference