

SOUTH DOCK BRIDGE

Location

Tower Hamlets

Client Type

Local Authority

Key Collaborators

Capital Delivery Team at Tower Hamlets

Workstage

RIBA 3 - Detailed Design

Summary

A new pedestrian link to support the large quantum of business and residential development was underway in South Quay and the Isle of Dogs. The new footbridge was likely to become one of the busiest pedestrian bridges in London, supporting the Mayoral priorities regarding active travel to improve the health and quality of life of Londoners.



Infrastructure Coordination
Development Service

SOUTH DOCK BRIDGE

The Challenge

To satisfy Canal & River Trust requirements, the bridge will provide a permanent navigable channel 15m wide for smaller boats to pass underneath as well as a 25m wide channel for taller vessels. A significant consideration of this project, then, is that a suitable, substantial power supply is required, but there is none nearby.

Our Approach

The Infrastructure Coordinator worked with the design team to bridge the design phases, providing a technical (electrical engineering) angle and taking negotiations with the project team further. The IC reviewed the power demand to create a clear path for engineers to take the detailed design. The IC facilitated collaboration with the UKPN network distribution owner, the adjacent landowners and the Canal & River Trust to find solutions given that there was no electrical network to readily connect to at Canary Wharf.

Testimonial

"The Infrastructure Coordinator supported the Capital Delivery team with technical expertise between design stages, when the projects design team was not available to participate in meetings. The Infrastructure Coordinator led a range of meetings with landowners around the site to discuss the options regarding the power supply to the bridge. We gained an increased understanding of the local electrical infrastructure and were able to use the feedback from the meeting to progress the detailed design and negotiations with land owners without delay."

BTH Project Manager, Capital Delivery

Key Outcomes

The IC delivered a scheme design for the lifting bridge over the dock. The design team has not yet been commissioned for the next phase, but it is now clear that there will have to be a high voltage connection. Working with the engineers, the IC has identified possible locations for substations and the next stage of work will add a level of detail and entail conversations with the relevant landowners.



MAYOR OF LONDON