

# Crossrail Paddington Bakerloo Line

**John F Hunt**



Costain Laing O'Rourke JV



£150k



6 months

## Project Overview

The construction of a passenger transfer link between the Crossrail and Bakerloo Line Stations at Paddington.

The work involved the construction of a 250m long passage and escalators, lift lobbies and cross - passages.

Due to space constraints, the works were constructed from within a redundant building.



## Achievements

Much of the works involved both critical targets and alignment, both of which were met.



## Challenges

Among the complexities of the job, an underground switch room had to be demolished to make way for an escalator barrel.

John F Hunt were appointed by Costain Skanska JV to drill and burst the concrete in the old Bakerloo line switch room to enable the ring segments to be exposed and removed.

Our works involved using diamond stitch drilling, bursting and robotic demolition techniques with Brokk excavators to take out mass concrete sections up to 1.2m deep. Cross passage works were carried out when connecting the tunnels.

Critical alignment of drill holes were necessary for tunnel location purposes.

These works were particularly challenging due to space constraints.

Works were undertaken in a 24 hour shift pattern to meet programme requirements.

