

Jubilee Line Extension



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The Jubilee Line Extension was one of the United Kingdom's biggest construction projects, and the largest addition to the London Underground in more than 25 years. The 10-mile-long extension creates a direct link between London's West End and the outer reaches of the East End and provides a direct stimulus to the development and redevelopment of areas previously poorly served by public transportation.

The Jubilee Line is the only line on the London Underground to connect with all other lines. The extension has 11 stations - 6 completely new and 5 substantially enlarged or rebuilt. Three stations are at ground level and 3 others are historical stations in the heart of London. Archeological investigations proceeded at the three historic station sites. Construction involved tunnelling at depths of as much as 100 feet, rebuilding the historic Westminster Station adjacent to the Houses of Parliament, and four crossings under the River Thames. The project was originally due to open in March 1998, but difficulties with tunnelling and signalling extended the schedule.

Bechtel launched a fast-track effort for construction completion and operational commissioning of the seriously delayed project, completing it in late 1999, in time to carry revelers to London's millennium celebration.

Location:

London, United Kingdom

Client:

London Underground Ltd.

Scope of Services:

Project Management, Project Controls, Construction and Commissioning Management

Project Duration:

1998-1999

Total Installed Cost:

\$5.3 billion

Significant Features/ Accomplishments

- 10-mile (16km) underground extension with 11 stations
- Bechtel brought in to provide fast-track push to completion for seriously delayed project
- Within 14 months, delivered completed system and all 11 stations
- Maximum 5-star excellence safety rating Waterloo Station

"What impressed me the most, was the confidence and leadership skills that Bechtel brought to the job. They took charge of a difficult situation and simply wouldn't accept going backwards."

Denis Tunnicliffe, Chief Executive of Customer London Transport