

## Old Oak Common Overground Stations

Arcadis is supporting the development of two new London Overground Stations in West London as part of Transport for London's major infrastructure development aspirations. Old Oak will be the only place where the new High Speed 2 railway between London, the Midlands and the North meets the Elizabeth line, London's new East-West railway. The two new stations, Old Oak Common Lane and Hythe Road, will be a major hub for regeneration and provide a crucial transport interchange between mainline, commuter rail services, Elizabeth line and HS2.

Arcadis was appointed to undertake Option Selection for two new stations at Old Oak Common Lane and Hythe Road, taking the proposals through to the 'Approval in Principle' phase. The stations will generate significant benefits for the surrounding communities and Greater London, supporting a proposed development of 25,500 new homes, generating 65,000 jobs in the area and improving the quality of life for thousands of Londoners.

The station at Old Oak Common Lane will be situated approximately 350m from the High Speed 2 and Elizabeth line station, bringing good interchange and public transport connectivity to Old Oak. The station is integrated within the existing rail corridor, with an elevated concourse that will minimise land-take associated with building the new station. The well-thought out design encompasses proposals for a 9m wide bridge across the railway, which will provide a public walkway and help open up the wider area. The station is designed to minimise impacts upon existing rail operations and the disruption to passengers, staff and the local community.

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Hythe Road station will be situated on a viaduct and be positioned on the West London Line, between North Acton and Willesden Junction, within one of the largest development sites in London, Old Oak Park. The station will incorporate three platforms, allowing through services between Stratford and Clapham Junction with an additional bay platform to accommodate terminating services from Clapham Junction. The station unlocks place-making potential by removing the severance caused by the existing rail embankment, replacing it with a new viaduct around which the station will be constructed.

The principal challenge was the successful integration of the new stations within the constraints of the existing railway. At the same time, it was also necessary to meet wider master-planning and transport interchange objectives, whereby the stations are required to fit into a complex rail environment coinciding with the crossover of three Network Rail territories.

To overcome these challenges, a team of experts from Arcadis and our delivery partners - including infrastructure and urban realm designers, environmental specialists, cost analysts, architects and constructors - worked together to develop a multi-disciplinary, integrated design solution. Feasible design options were presented at a series of technical workshops and multi-stakeholder workshops to complete option selection. The chosen options at each station were developed through scheme design for Network Rail approval.

With a proposed opening date of 2026, Old Oak Common will become one of the largest rail hubs in London. It will provide better access to public transport across west London and enable more journeys to be made without going into central London, thereby reducing pressure on many trains and stations across the capital.