

## Design and Engineering, Volume 3

High Speed Two (HS2): Infrastructure Design and Construction

High Speed Two (corporate)

### About the Book

The main construction of HS2, Britain's new zero carbon, high-speed railway, began in September 2020, when delivery activity on Phase One moved from enabling works, scheme design and preparatory work to full construction of the railway. The new railway will link London and the West Midlands and eventually extend services to the North and Scotland. High-speed trains powered by zero carbon electricity will reach speeds of 225mph and transform journey times, while opening up capacity on the existing, conventional railway network.

This volume of *High Speed Two: Infrastructure Design and Construction* from the HS2 Project, contains a collection of papers submitted to HS2 Ltd's Technical Papers Competition. Contributions have come from consultants, contractors, suppliers and third-party stakeholders involved in the delivery of HS2. As part of HS2's Learning Legacy programme, the organisation seeks to share its learnings and best practices with the rest of the industry throughout the project lifecycle. This volume includes high-quality papers on best practice in planning, design, construction and management for large-scale railway infrastructure projects. It is divided into two sections: ground engineering (geotechnics, groundworks and earthworks) and structural engineering (bridges, viaducts, tunnels and underground structures).



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