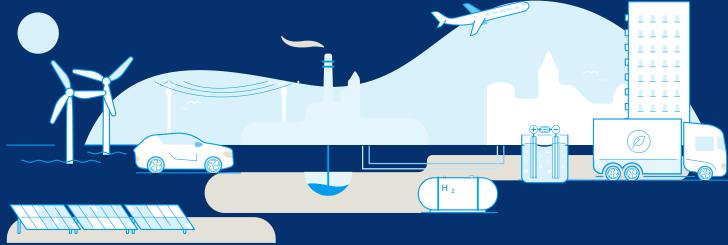
Balfour Beatty HS2 Enabling Civil Works (ECW)



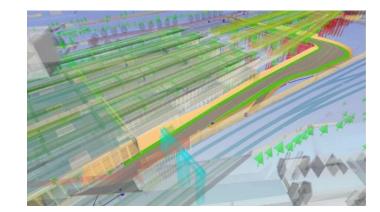


HS2 ECW Scope

- Permanent Highways
- Haul and Access Roads
- Site Compounds and Access
- Junction and highway improvements (construction vehicle access and safety improvements)
- Future Proofing
- Stakeholder Engagement
- RUK Noted Projects -
 - Burton Green Access Road
 - Kenilworth Greenway
 - A452 Park Lane
 - Curzon Street Station









Enabling works and infrastructure

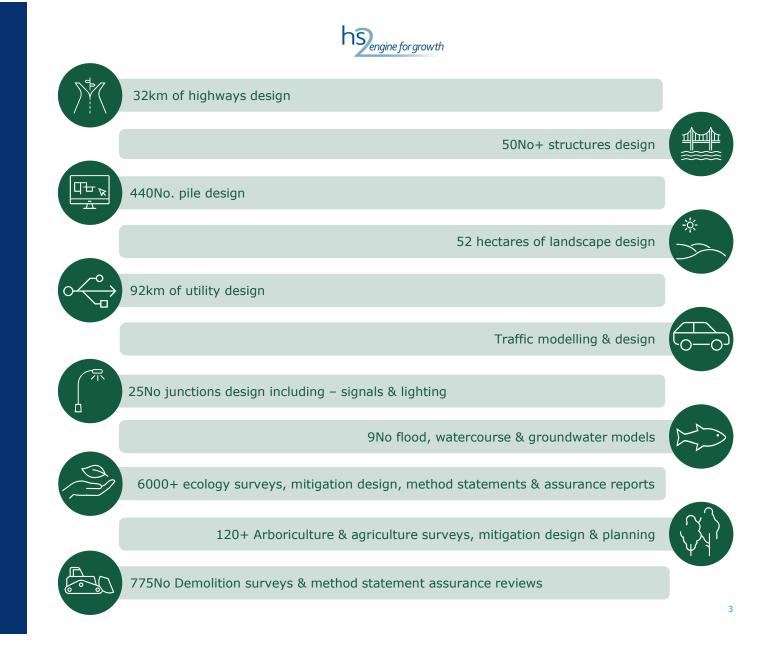
HS2 Phase 1 Enabling Civils Works North

Multiple work packages

Proactive project management ensured all challenges were met with an associated continually emerging scope

Work packages included design, traffic modelling, surveys, and biodiversity net gain

Ramboll scope demonstrated opposite



HS2 Enabling Civils Works North How we delivered sustainably

enhancements Improved connectivity for nature

Corridor

Green

Biodiversity

Access to green-space for communities

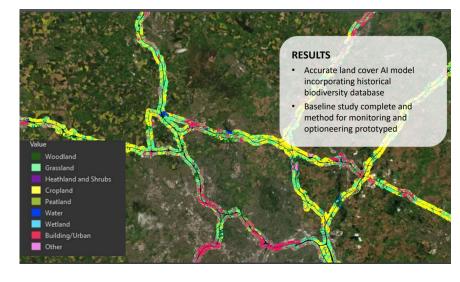
- Balancing material between work packages
 - Material Management Plan integrated with Remediation Strategy, Historic Environment works and Station design.
 - 65,000m³ material re-used at Curzon Street Station (including Made Ground) and 79,000m³ transported to BIS for re-use.
 - All earthworks delivered under the CL:AIRE DoW:CoP
- Cultural Heritage and Archaeology Curzon Round House and Park Street Burial Ground
- Ecology -
 - eDNA data was used to support the licence application a UK first!
 - Design and delivery of one of largest-scale species mitigation in UK history
 - Translocation of 20 ancient woodland sites

Biodiversity Net Gain

- By November 2023 the BNG element of the Environment Act became mandatory
- Biodiversity to be increased by 10% compared to predevelopment levels
- RUK collaborate with strategic infrastructure clients to determine impacts of existing and proposed assets on the natural environment
- Monitoring for change post construction
- Design of new / connecting existing ecosystems
- Supports planning applications

HS2 New Habitat Creation – Green Corridors: "Soft asset" design, connecting existing ecosystems and creating new natural environments





National Highways Biodiversity Mapping:

Production of network-wide digital maps of landcover to monitor biodiversity across the strategic road network. Annual reviews provide BNG updates

PAS 2080 Standard

- PAS 2080 is a globally-applicable standard for managing carbon in building and infrastructure
- It looks at the whole value chain and aims to reduce carbon and cost through intelligent design, construction and use
- The standard incorporates five key themes:
- Integrated approach to the built environment
- Systems thinking and net zero
- Taking a whole life view
- Nature based solutions and resilience
- Collaboration



We are PAS2080 accredited