HS2

Additional Provision 2
Changes

Phase 2a update
March 2019
AP2 SES2 and AP2 Environmental Statement Reports deposited in February 2019

Reports

+ Maps
Main changes

- Handsacre Junction (CA1)
- Parkgate new traction power supply (CA1)
- Common Lane New connection with A515 road (CA1) – requested following engagement
- Moreton House Fm/Mayfield Children’s Home (CA2) - requested following engagement
- Ingestre Golf Club (CA2) – HS2 solution as requested by the committee
- Staffordshire Showground Parking (CA2) - requested following engagement
- Yarlet School Access (CA2) – requested by the committee
- Tittensor Road Roundabout (CA3) - requested by the committee
- Whitmore Tunnel Extension (CA4) - requested by the committee
- Crewe Station changes (CA5)
- Local placement sites (all CAs)
- 2 TBM power supply routes (all CAs)
- 2 Viaduct Lowerings (Kings Bromley & River Trent) (CA1)
Handsacre Junction

Crewe

Stafford

East Midlands Hub

East Midlands Airport

Handsacre Jcn

West Coast Main Line

Destinations served by HS2
- HS2 line (Phase One - Completed 2026)
- HS2 line (Phase 2a - Completed 2027)
- HS2 line (Phase 2b - Completed 2033)
- HS2 services on existing network

Based on current indicative train service specification. Final HS2 timetable subject to consultation.
Handsacre Junction

Hybrid Bill Connection

To Stafford
- Up Slow
- Up Fast
- Down Fast
- Down Slow

From Euston
- HS2 UP
- HS2 Down

To Lichfield

Revised Harvey’s Rough viaduct

AP2 Connection

To Stafford
- Up Slow
- Up Fast
- Down Fast
- Down Slow

From Euston
- HS2 UP
- HS2 Down

To Lichfield

Revised Harvey’s Rough viaduct
Handsacre Junction AP2 Connection
Parkgate Connection Options considered

- Option 2 – amended version of hybrid Bill scheme with new 275kV electrical circuit between communities of Longdon and Armitage
- Option 3 and Option 4 – creating new connection(s) from Kings Bromley area - not considered to be reasonable alternatives
- **Option 5 (Parkgate)** - grid supply point connection at Parkgate

(Option 1 refers to the hybrid Bill scheme)
Requirements for HS2 power supply

- The HS2 connection to NETS must consist of three circuits to provide the necessary resilience of electricity supply to run the trains.
- A circuit consists of three conductors (power lines)
- A pylon carries a maximum of two circuits (six power lines)
- The HS2 connection therefore requires two rows of pylons.
Common Lane

Hybrid Bill Plan

AP2 Plan
Moreton House Farm

Hybrid Bill Plan

AP2 Plan
Mayfield children’s home relocation

Home location at hybrid Bill (A)

Home location at AP2 (B)
Ingestre Golf Club reconfiguration

Land acquired for golf club

Existing golf club land

Club house retained
Staffordshire Show Ground replacement car parking
New entrance at Yarlet School

Hybrid Bill Plan

AP2 Plan
New roundabout at Tittensor Road

Hybrid Bill Plan

AP2 Plan
Whitmore Heath tunnel, moving the southern portal

Hybrid Bill Plan

A53 Road alignment changed requiring balancing pond

AP2 Plan

A53 Road alignment unchanged
Crewe

Central lines connection

New Platform

Platform 5 extension
Platform 5 Extension
Local placement sites

Deposition of Excavated Material
CA2 Colwich to Yarlet

The AP2 Revised Scheme
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New power supply for Whitmore Heath TBM
New power supply for Madeley TBM
Lowering of Kings Bromley and River Trent viaducts
The End