

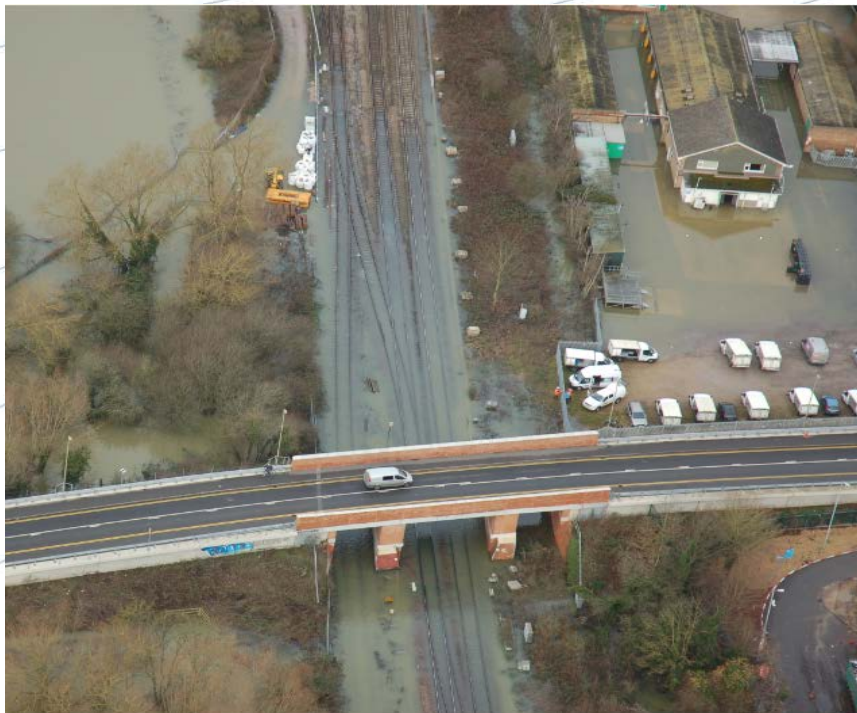
Hinksey Flood alleviation Scheme



Joanna Grew- Sponsor

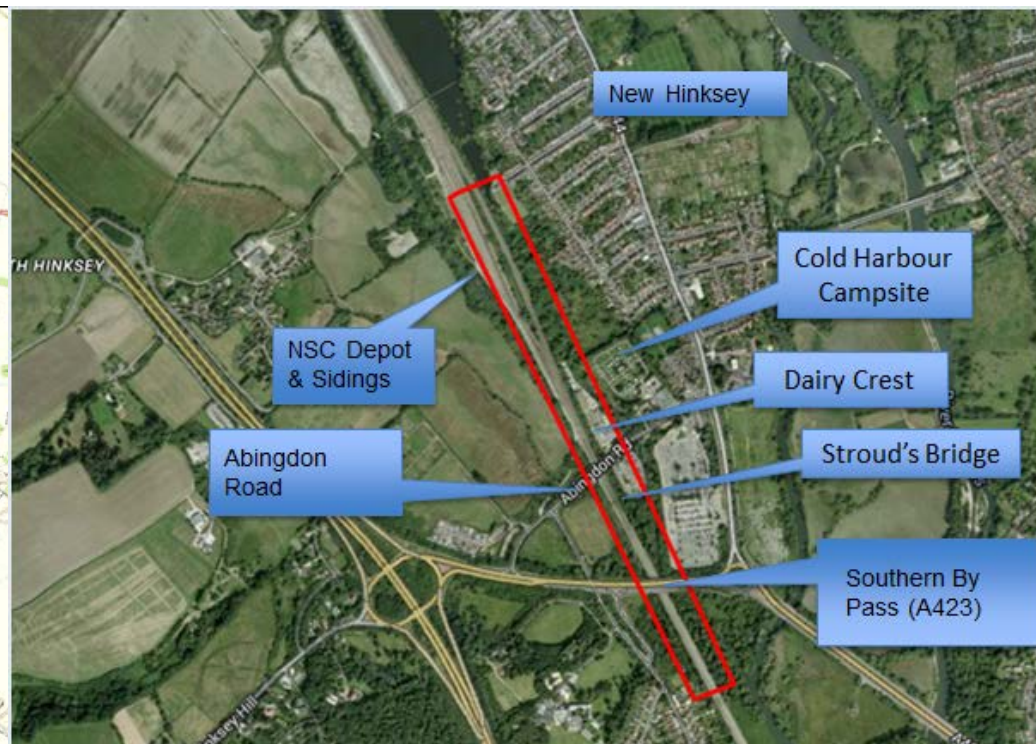
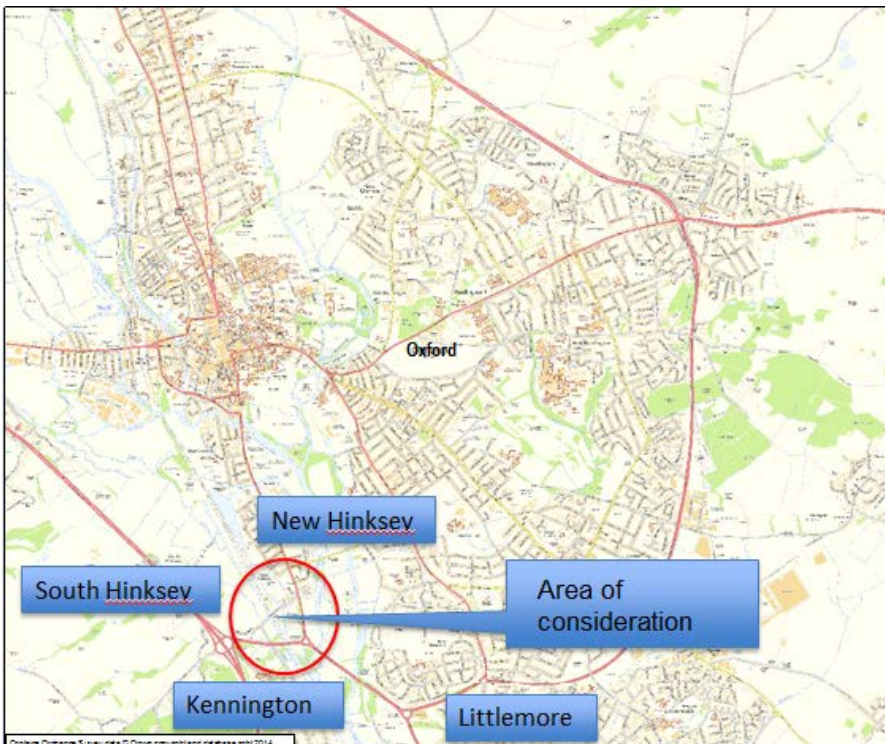
Paul Armitage- Project Manager

Matthew Thompson- Communications Manager



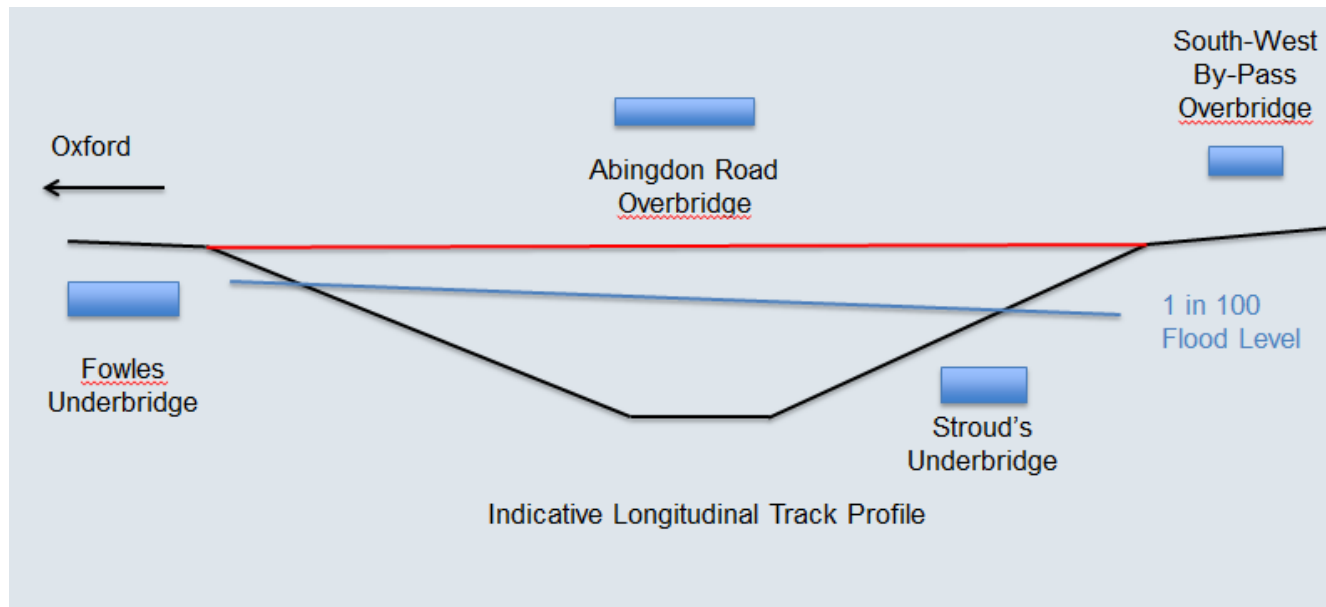
Project background

To increase the resilience of the railway against severe weather events and specifically flooding.



Proposed solution

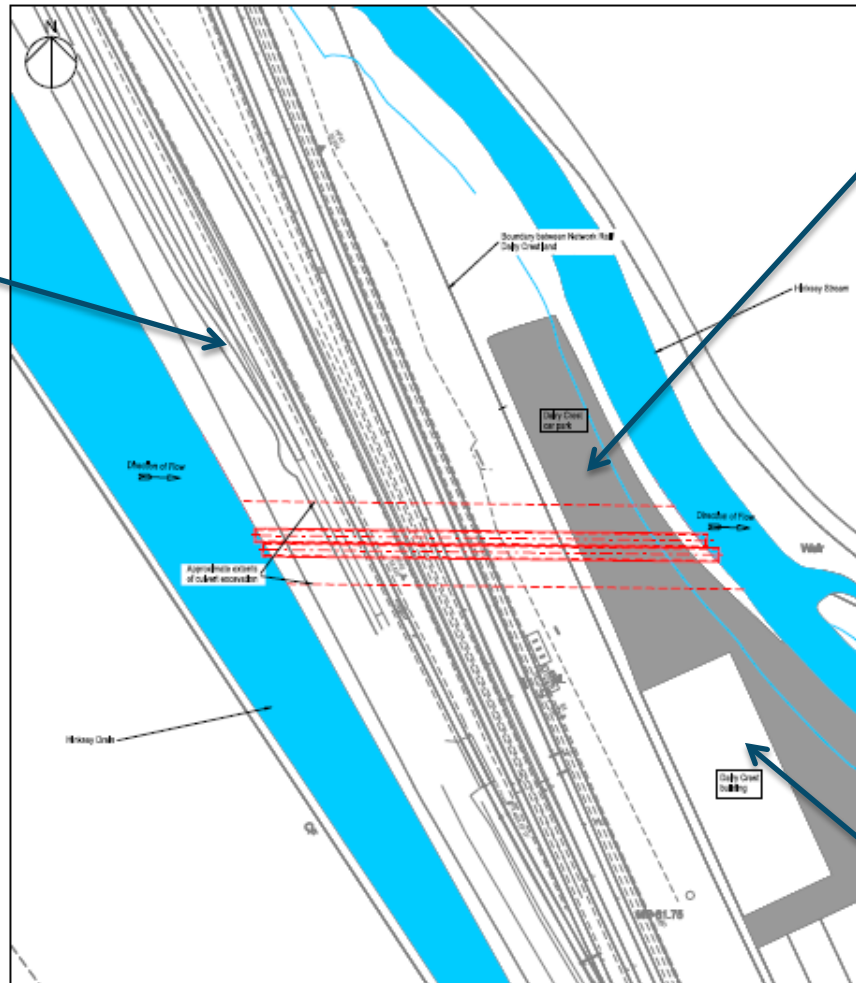
- Lift the tracks in the affected area by up to 500mm
 - The proposed track lifting will improve the flood resilience of the main lines
- Install culverts under the tracks
 - To improve the flow of water from the west side of the railway corridor to the east.



Culvert Positioning

NSC Sidings

To be effective the culvert needs to be installed on a skewed alignment to minimise the change in velocity and flow



Dairy Crest Car Park

2 Box culverts
1.8x3.6m.
Culverts to be partially blocked until OFAS completion

Dairy Crest Building

SITE PLAN

Strouds Underbridge

Existing bridge deck life expired and requires renewal to preserve railway operations, Bridge decks to be lifted to facilitate track lift.



Cold Harbour Maintenance

- Flood modelling assumes that all channels are clear and free flowing
- Negotiations concluded with DBS over Cold Harbour maintenance
- Hinksey Flood Alleviation Scheme project to lead on watercourse clearance:
 - Remove all vegetation in watercourse
 - Clear any blockages
 - Remove reeds and silt
- Scoping exercise has commenced and anticipate begin clearance early 2016



Programme and Next steps

- Submit planning application for Culvert works-
Early Dec 15
- Assumed planning permission granted- Mid March
2016
- Commence channel clearance- Early 2016
- Railway prep works commence- Feb 16
- Railway temporary closure- July 2016
- All works complete- September 2016

Questions