

Shared Learning

Southern Capital Delivery - Development

Issue Date: 25/3/2020

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Design Close Call Number: NRB403210 Title: Lower Downs Road Design Misalignment

Overview of Event:

Following a review of the Network Rail Crossrail 2 six tracking construction sequence with the TfL Design Team, there was confirmation that a new MK19.3 track alignment was available. When issued, there was no clear note/report to highlight potential changes. This has meant that there are some changes to the Lower Downs Road alignment which has not been captured in the ONS TAD currently resulting in the two alignments not tying in at the boundary at Lower Downs Road Bridge.

Potential impact:

Landtake presented at consultation does not reflect required landtake.
The two designs are not aligned for consultation.
Changes to ONS design could have significant impact to the design of Lower Downs Road bridge.

Causes:

Immediate Cause of the incident: Lack of communication and coordination between two different design partners.

- Client had not specified who or how to communicate with TfL Design Team.
- Designer worked off an untested assumption that the design at this location was the same and 'locked'
- The designs had been developed at different rates either side of the boundary. This led to different design states and configurations at given points in time which contributed towards the issue.

Photo of Event:



Actions taken as a result of the investigation:

- Interface Control Documents (ICDs) have been drafted to cover design work at the boundaries.
- All design at the boundaries in the future is to take place as joint pieces of work, with an instruction to work on one side of the boundary complemented by an equivalent design instruction on the other side.
- Designers have been given a clear message that they can talk directly to their equivalent on the other side of the boundary.
- A detailed process for sharing design files is now in place to facilitate sharing of designs and co-ordination.