

Lincoln Eastern Bypass



Lincoln Eastern Bypass

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Principal Engineer, Lincolnshire County Council

Introduction

- Scheme Overview Plan
- Scheme Objectives
- Enabling Contracts
- Recent Scheme History
- Scheme Details
- Construction Progress





The Route



LEB Scheme Objectives

- To support the delivery of sustainable economic growth within the Lincoln Area
- To improve attractiveness and liveability of central Lincoln for residents, workers and visitors
- To reduce carbon emissions and improve air and noise quality within the Lincoln Policy Area

A15 Lincoln Eastern Bypass

Scheme History

**A RELIEF ROAD FOR LINCOLN
PLEASE GIVE US YOUR VIEWS**



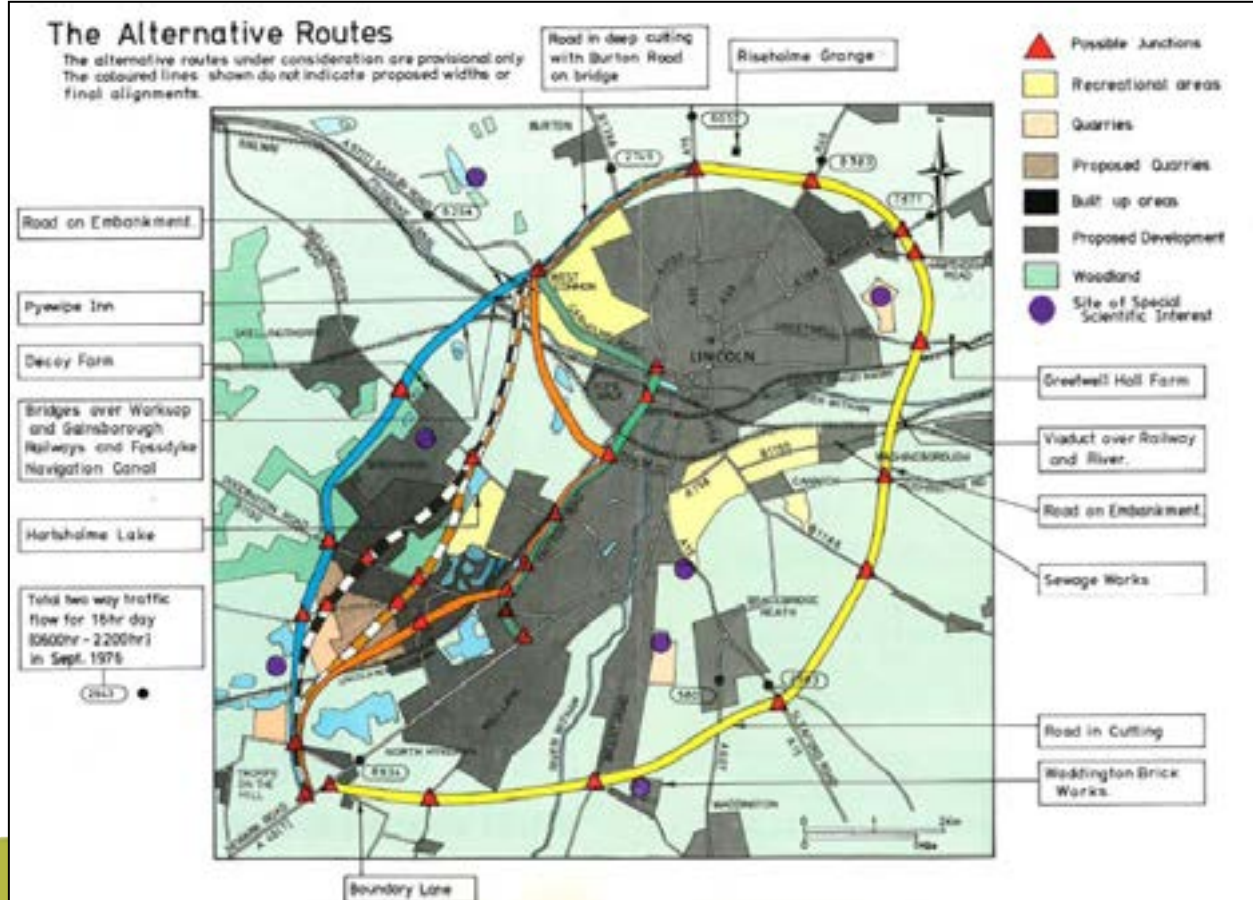
This pamphlet describes alternative routes for a new trunk road to relieve congestion in the City of Lincoln.

The Secretary of State would like your views to help him choose the best route for the new road. Local authorities and other interested bodies are also being consulted.

Please try to visit the exhibition, in any case we should be grateful if you would fill in the questionnaire and return it as soon as possible (not later than the date stated in paragraph 7 of the questionnaire).

Department of Transport
North Eastern Road Construction Unit
Windsor House
Cornhill Road
Harringale
North Yorkshire
YO1 1PH

JULY 1976



A15 Lincoln Eastern Bypass

Initial Scheme History - continued

- 2012 – Planning application submitted for single carriageway
- 2013 – June; Planning consent granted
- 2013 - July; CPO & SRO published
- 2014 – February; Public Inquiry into Orders
- 2014 - July; Orders not confirmed by SoS
- 2014 - October; Revised NMU Bridge granted planning approval and revised Orders published
- 2015 – Public Inquiry into revised Orders
- 2016 – SoS confirms orders
- 2016 – Tenders Issued, preferred bidder announced.

Recent History

- Carillion Contract Award – December 2016
 - Soft Start during 2017
 - De-risking programme by completing utility diversion and archaeology
- Carillion Contract Termination – January 2018
- Galliford Try Contract Award – 1st February 2018
 - Initial works package awarded to target critical path works.
- All works awarded via MHA MSF2

LEB Enabling Contracts

Archaeology

- Commenced Autumn 2016
- Minimal excavation and Watching brief elements remaining

NR/BAM Bridge

- Blockade October 2017; complete Bridge for handover April 2018

Utility Diversions

- Commenced Winter 2016/17
- Major elements complete ~ £4M of works complete

Archaeology

- **The largest single archaeological project ever carried out in Lincolnshire**
- Major discoveries of national and international importance
- 12,000+ years of Witham Valley human history
- 250,000 artefacts
- Bronze Age oak log-boat, nationally rare
- Mid-Saxon Christian cemetery with at least 500 skeletons

Archaeology



Archaeology



Archaeology



Lincoln to Spalding Railway Bridge

- Direct contract with Network Rail
- 40m wide bridge deck
- Main Beams 107T each
- 72hr blockade
- 3660 works hours during blockade
- 7500T excavated during blockade
- 604T bridge structure; Skid Length 62m in 109 mins



Scheme Design

- 7.85km of single carriageway from existing A15/A158 Wragby Road roundabout to A15 Sleaford Road.
- 3m wide combined cycleway/footway
- Route derestricted. Design speed 60mph
- 6 new junctions;
- 10 new structures;
- Drainage via attenuation ponds; 6 watercourses to be culverted.

Future Proofing

“The decision not to dual the LEB is not a reflection on the potential of the proposal as an attractive route for users or its economic viability but reflects the fiscal requirements at the time.”

Areas designed for easy upgrade in the future;

- Roundabouts – designed to dual carriageway standards
- Vertical and horizontal alignment – the ‘shape’ of the road - dual carriageway standard
- Heighington Cut – wide enough for dual carriageway
- Carriageway crossfalls - east to west
- The drainage system – capacity for the dual scheme
- Bridges

Construction Progress




Department
for Transport

Lincolnshire
COUNTY COUNCIL 

Key Quantities

- 1,000,000m³ Earthworks
- 164,000tn Imported Agg.
- 82,000tn Surfacing
- 33,000m Drain runs
- 28,750m Road markings
- 160no Street lights
- 3 Major Structures
- 4 Footbridges
- 3 Temporary Bridges
- 3,700tn Steelwork
- 17,544m³ Concrete
- 6700m Bored & CFA Piles

LEB - Unique Selling Points

(or unique challenges!)

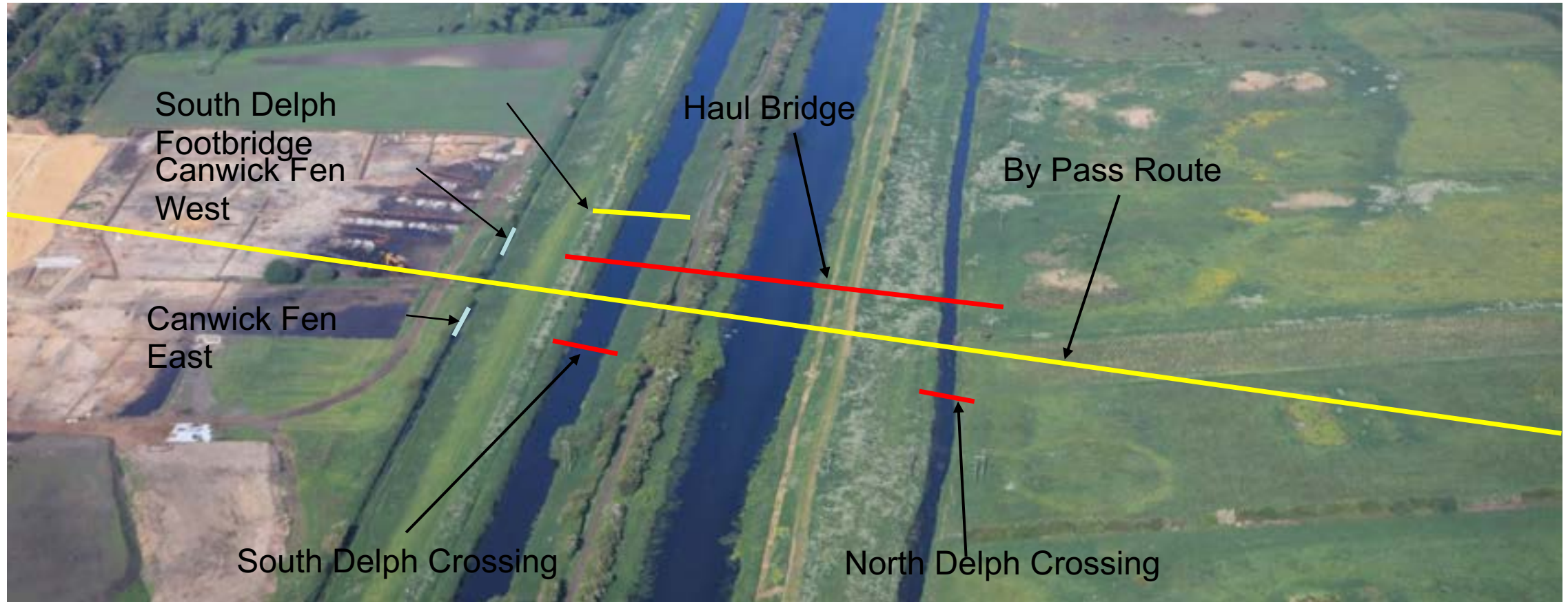


Traffic Management Constraints

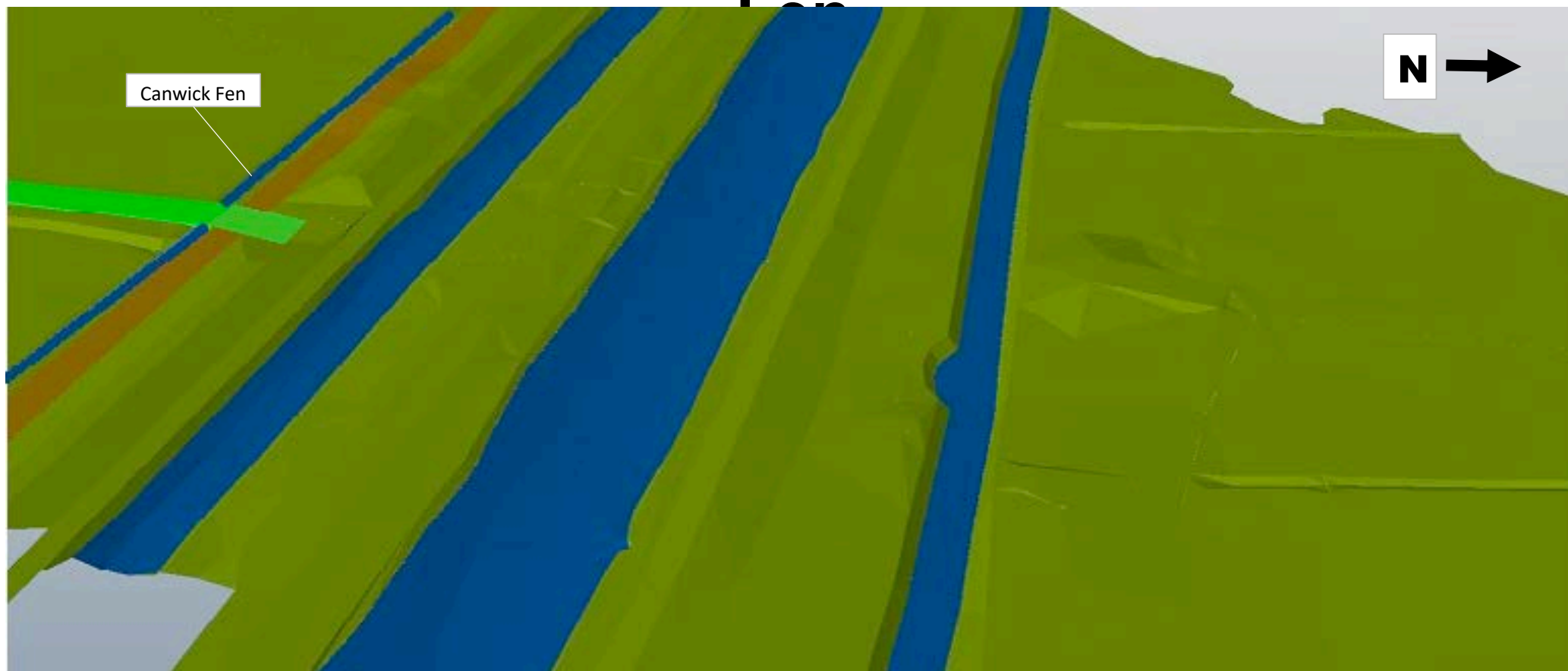
- Hawthorn / Greetwell Road
- Heighington / Washingborough Road
- Lincoln / Sleaford Road
- Events /Tourism (Lincoln Market)



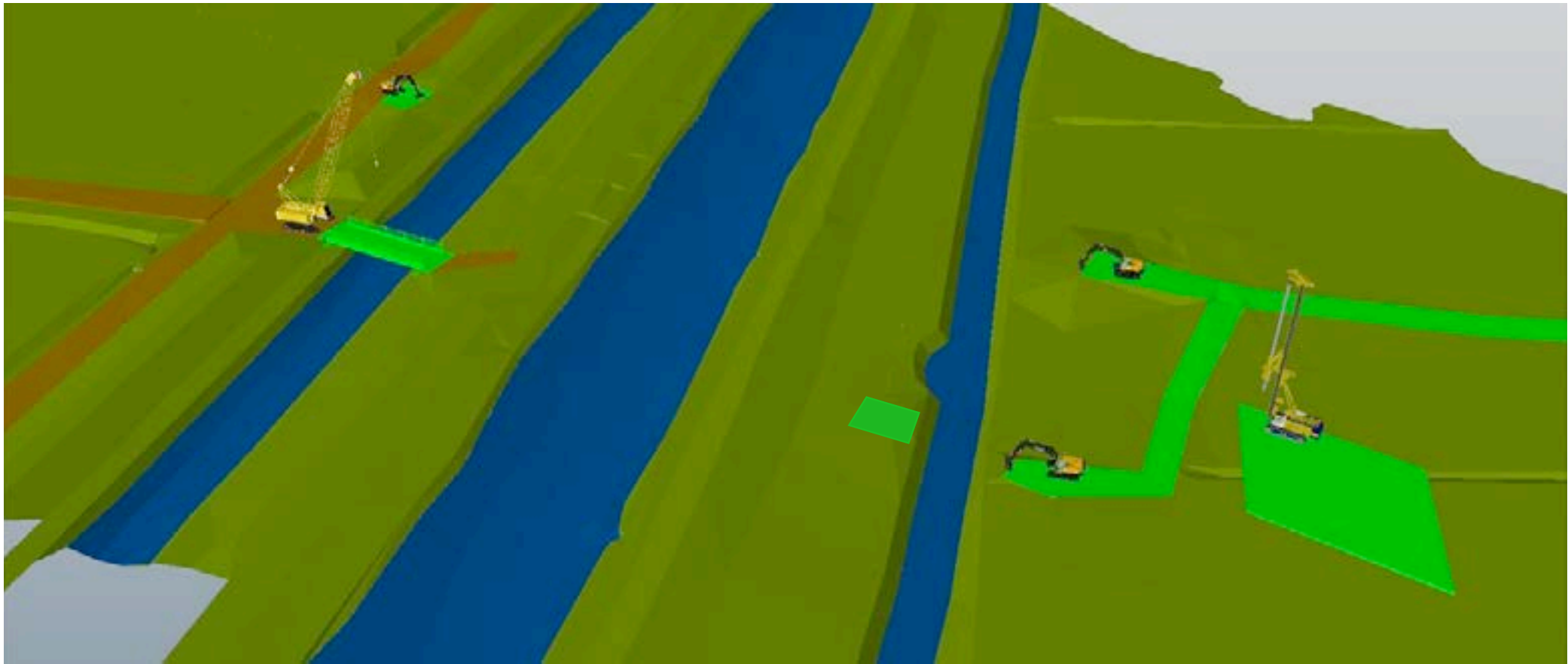
River Witham



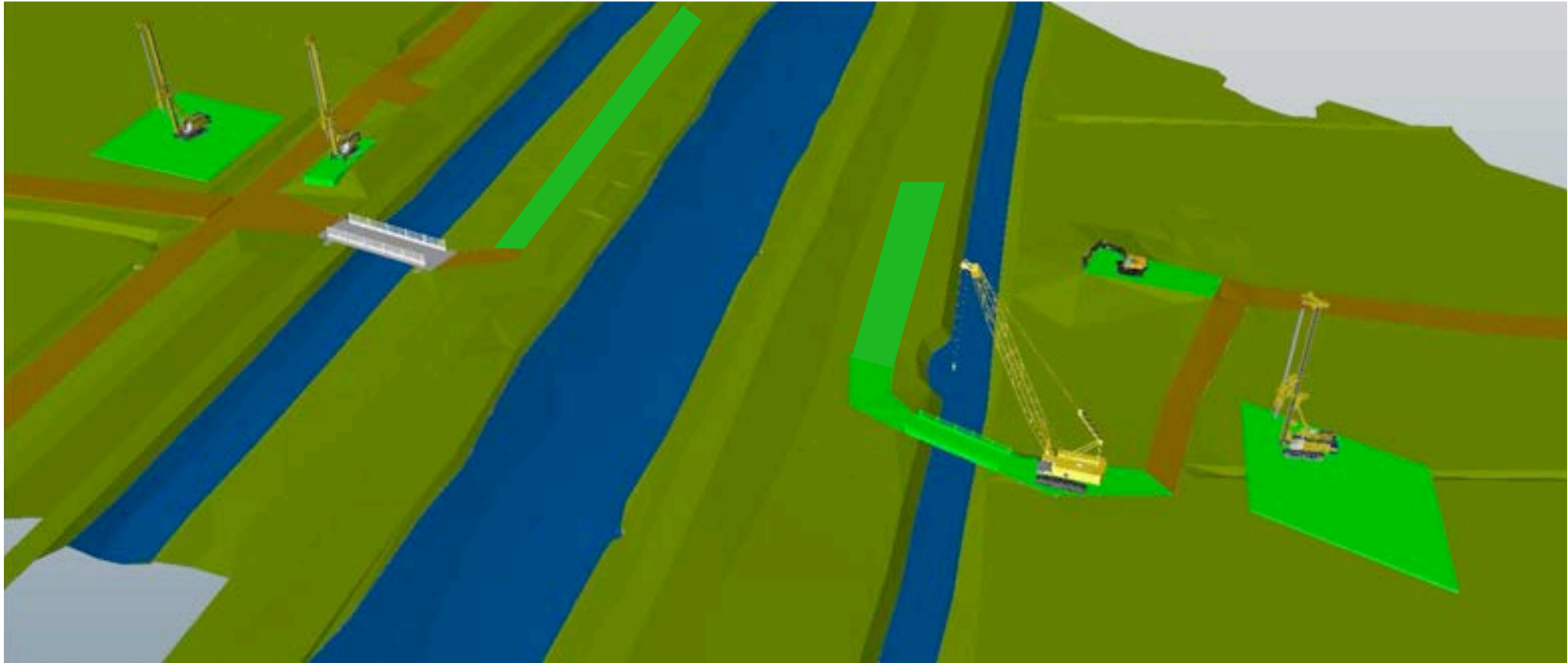
Install Temporary and Permanent Culvert to cross Canwick Fen



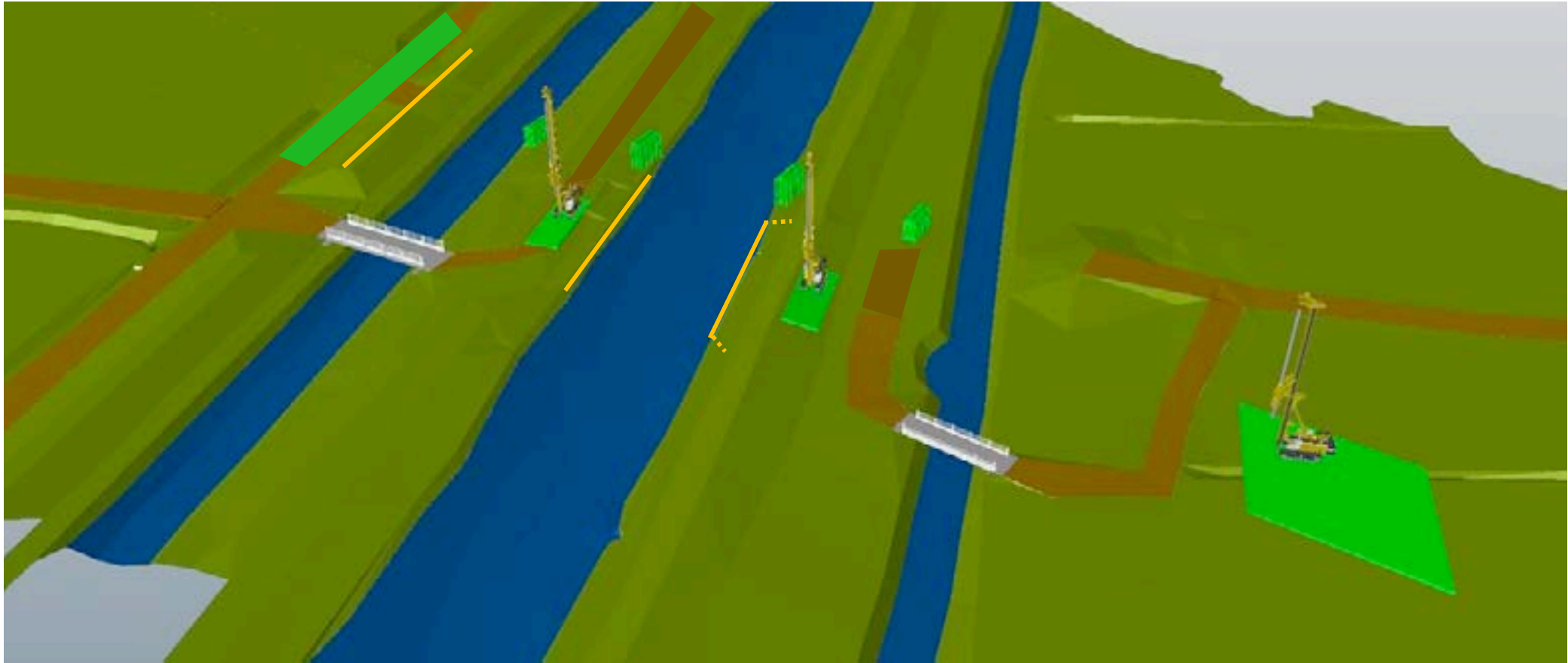
Install Quick Bridges across the Delphs



Construct Platforms between the water courses



Install sheet piles and construct the pier locations



Construct Temporary Haul Road Bridge



River Witham – Temporary Haul Road Bridge



River Witham – Temporary Haul Road Bridge



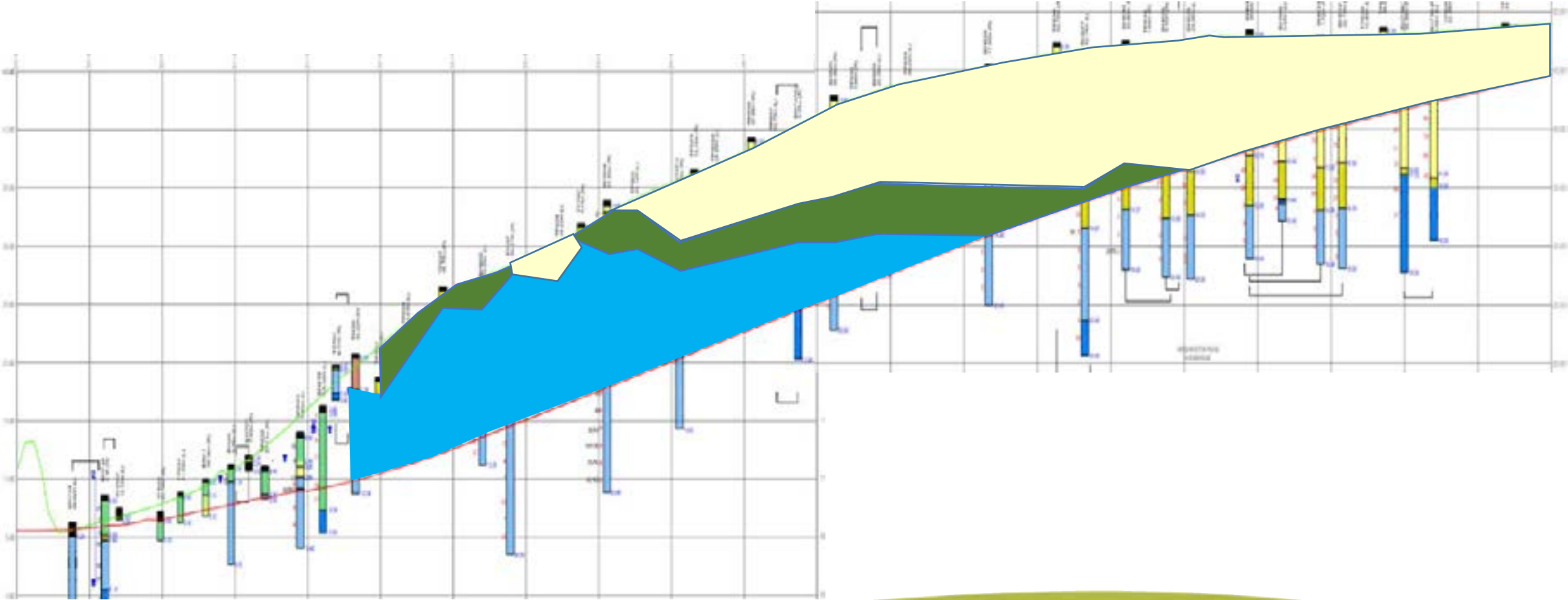
River Witham – Temporary Haul Road Bridge



Earthworks



Cut 4 Section



Greetwell Quarry

- Nesting Birds
- Reptiles
- Bats



Greetwell Quarry – Pre-Clearance



Greetwell Quarry – Post Clearance



Greetwell Quarry – Post Clearance



Greetwell Quarry – Final Layout



Flooding



Covid-19

- Site team
- Workforce
 - Transport
 - Welfare
 - Working practices
 - Covid-Cops
- Programme
- Costs

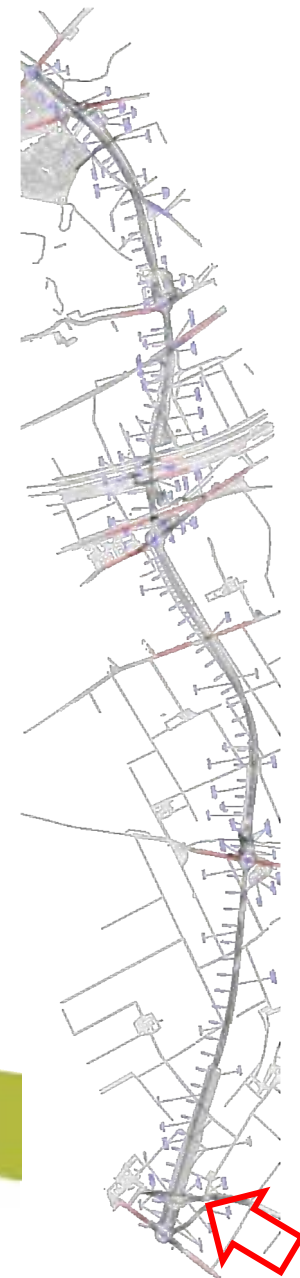
LEB – Construction Progress



Construction Progress



Construction Progress



Construction Progress



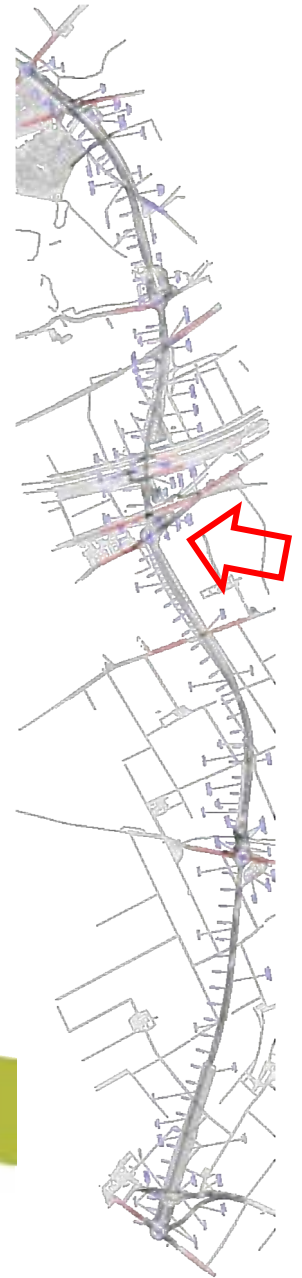
Construction Progress



Construction Progress



Construction Progress



Construction Progress



Current Status



Construction Progress



Construction Progress



Construction Progress



Construction Progress



Any Questions?

