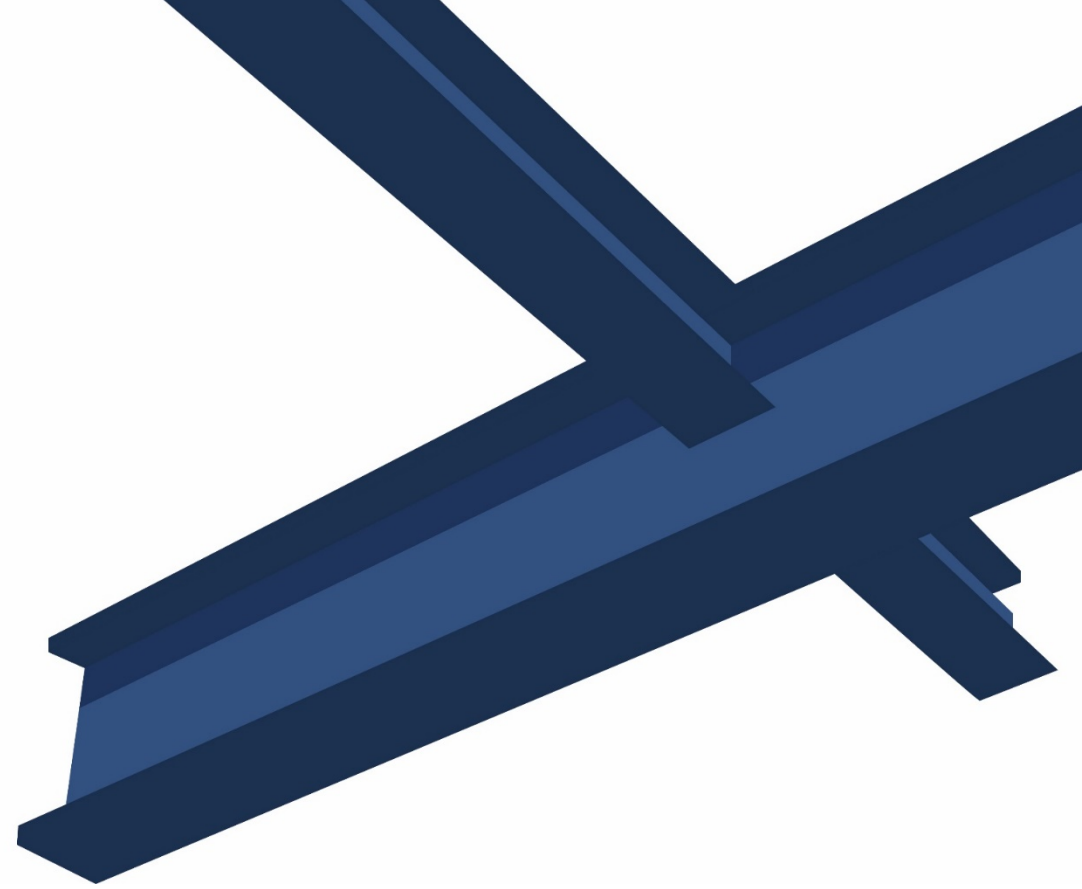


# **TAZIKER** **INDUSTRIAL**



**Introduced by Tom Nicotra**  
**Presented by Jarrod Hulme**





ENGLISH  
HERITAGE

**TAZIKER**  
**INDUSTRIAL**



The conservation of the world famous Iron Bridge





THE BRIDGE WAS CAST AT COALBROOK-DALE

AND ERECTED IN THE YEAR 1825

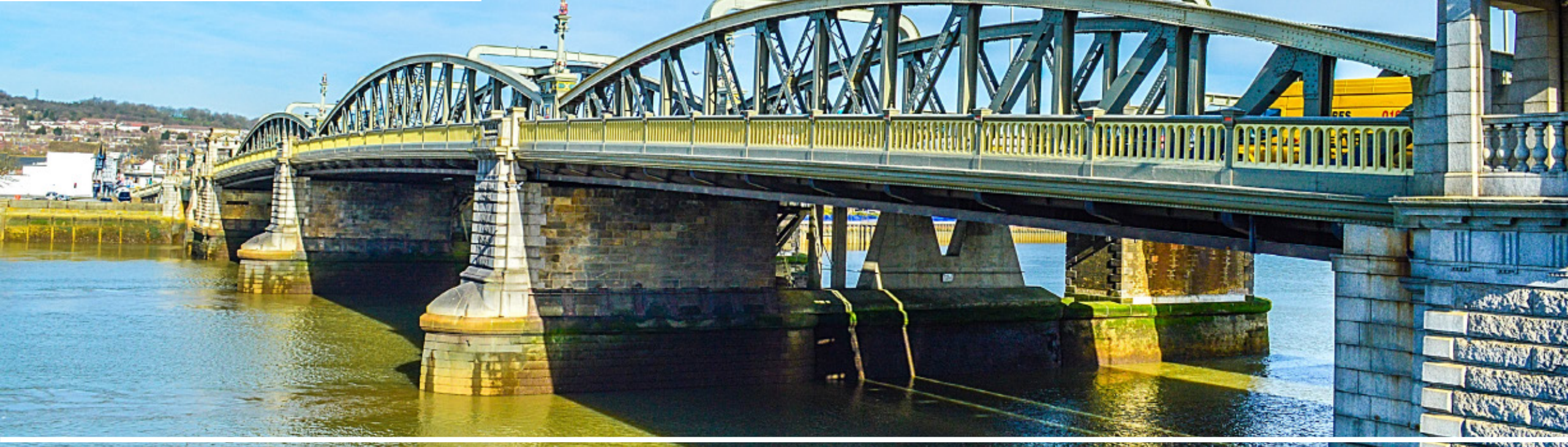












Rochester Road Bridge





Structural Strengthening & Refurbishment specialist

In-house Civils, Scaffolding, Preparation, Painting & Metalwork divisions

Over 500 multi-discipline group staff working nationwide

£60m Annual Turnover

45,000 SqFT Fabrication Workshop

- Fabrication Area Approx. 45,000 SqFT
- 8 Overhead cranes with lifting maximum capacity of 10t.
- 5 Fabrication bays with access and egress for loads up to 27m in length.
- Excellent location with access to M62 motorway.
- Capable of providing full trial assembly in house.





Engineering Services Director  
Jarrod E Hulme



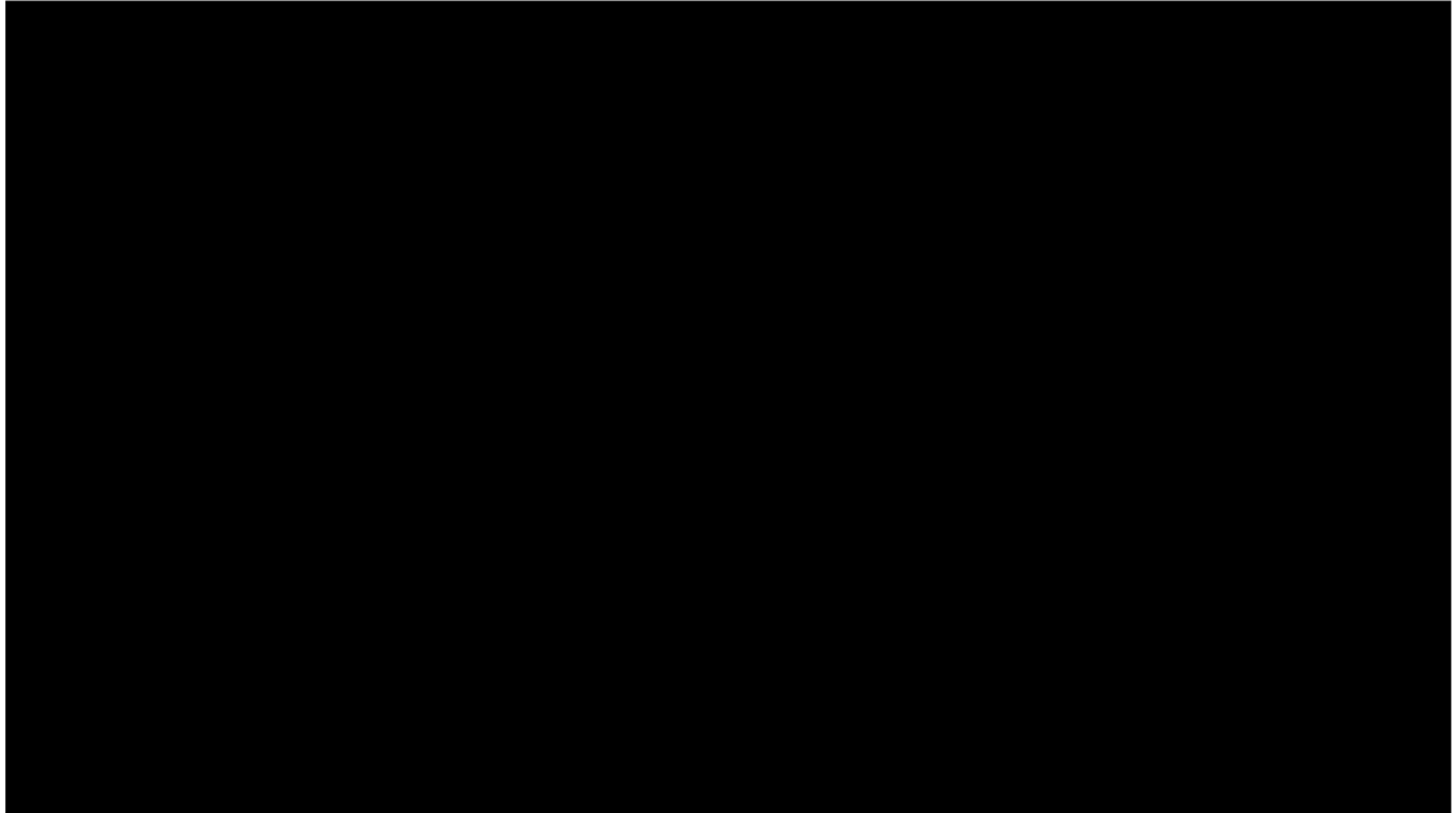














# Engineering Facility

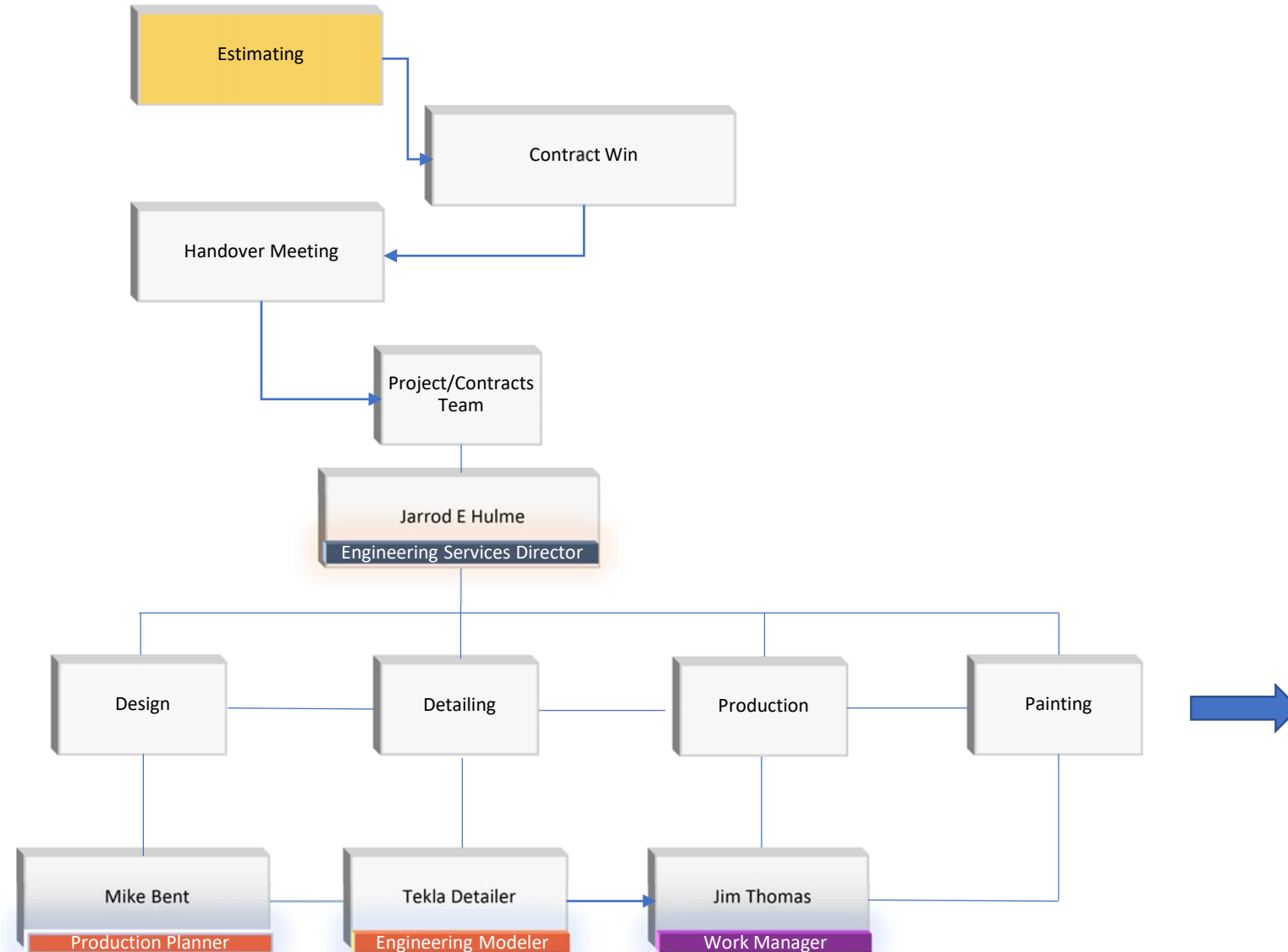




# Taziker Structures Capabilities (Heywood)

- Tekla Structures Latest Version.
- BIM Level 2 efficient.
- Integration between IFC and DWG files.
- Construction Sequence in 4d
- Programme to suit all project requirements.
- Key skills in choosing the correct plant for all lifting and transportation requirements.





Lead Production Engineering

Office Management

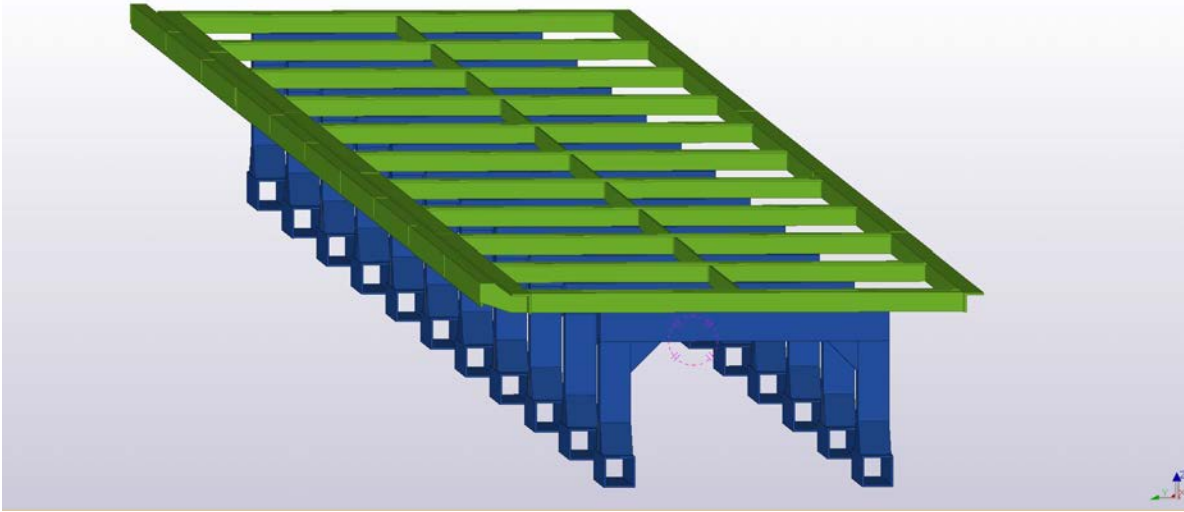
Works management



- Grade II Listed
- George Stephenson
- Arch Bridge -1844 & Road Bridge -1884
- Span Approx.28m
- The road span has a parapet in cast iron with raised and fielded panels, every third one containing a rosette, and with small lion heads at intervals along the top.
- Contracted to Refurb the Front cast iron panels.
- Replace the corroded back web of the box girder with a mild steel replacement.
- Provide new connections to the existing.







- Tekla Structures. 3d Modelling for Steel Structures.
- Point cloud information and IFC integrations
- Create Temp works Jig.
- Make safe to working environment low to the floor for safety reasons and accessibility.
- Recycle as much of the temp works as possible for future works.

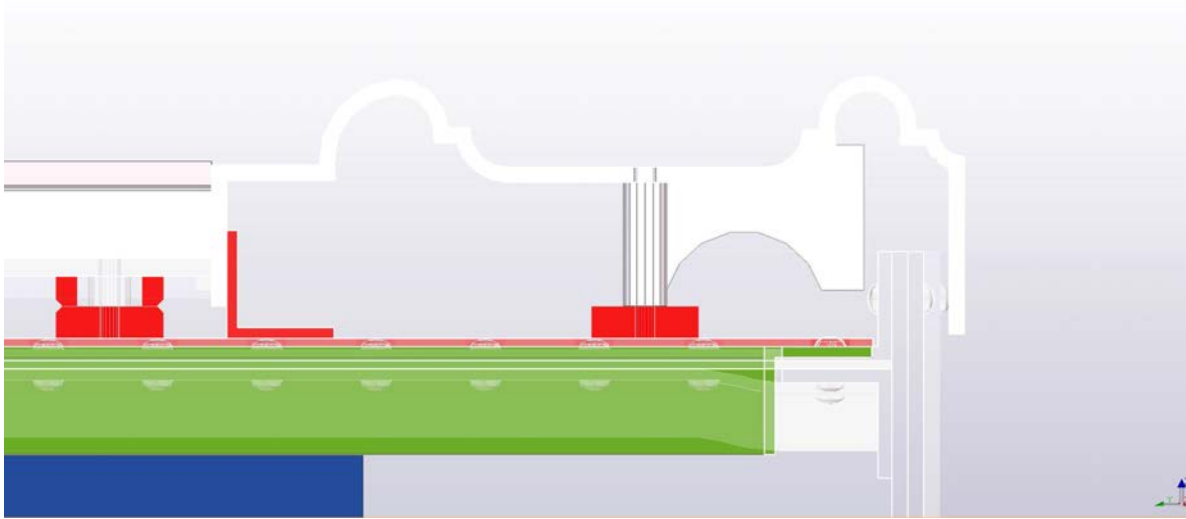




- Mild steel back panels are pre drilled with information provided from Templates created onsite.
- Created from Perspex.
- Triangular shapes to create Cheese holes to allow new plate to sit over existing rivets.



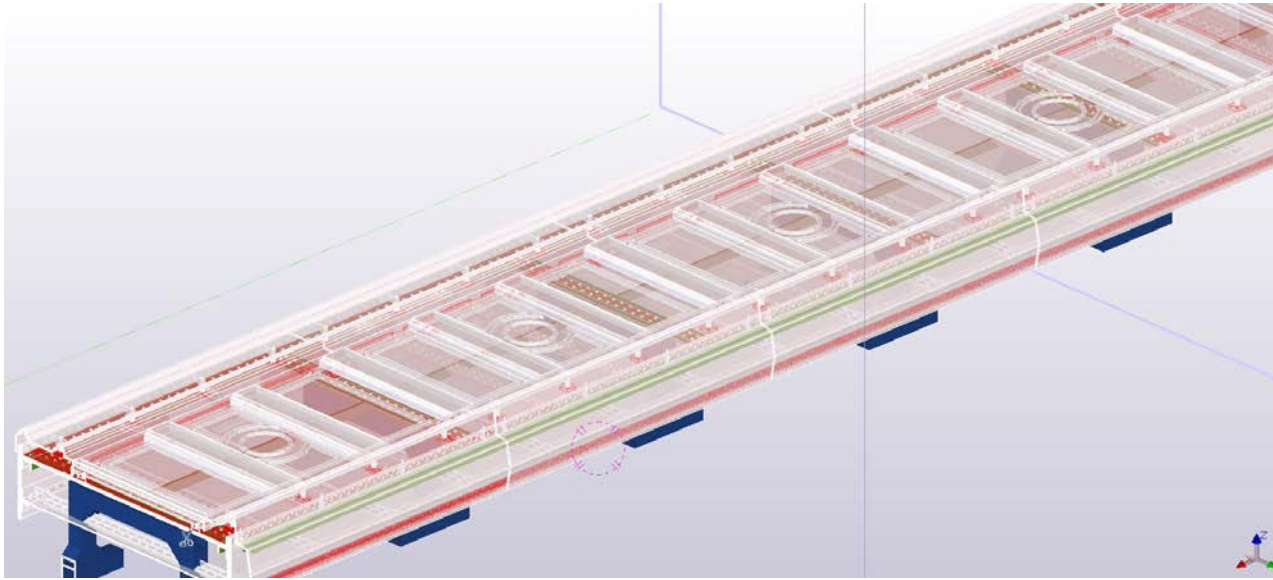




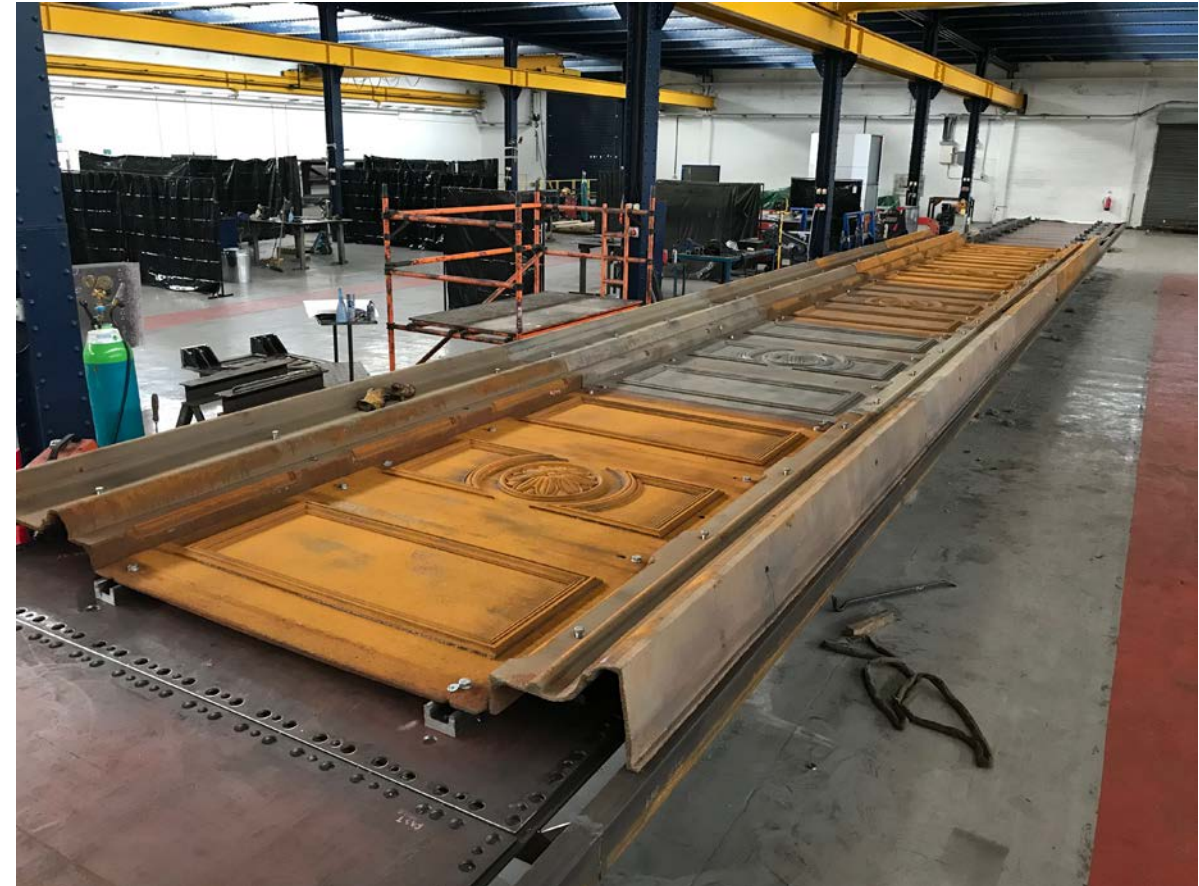
- Create new connections to fit old to new parts.
- Colour code Jigs with class to identify new materials required.
- Provide accurate details for locating trial erection and fit up.
- Order all materials & Bolts from reports gathered by Tekla.
- Prove essential site fit up to mitigate delays in Possession period.
- Identify clashes with Old to new.
- Reduce programme timescale by phasing the trial in 3 parts.

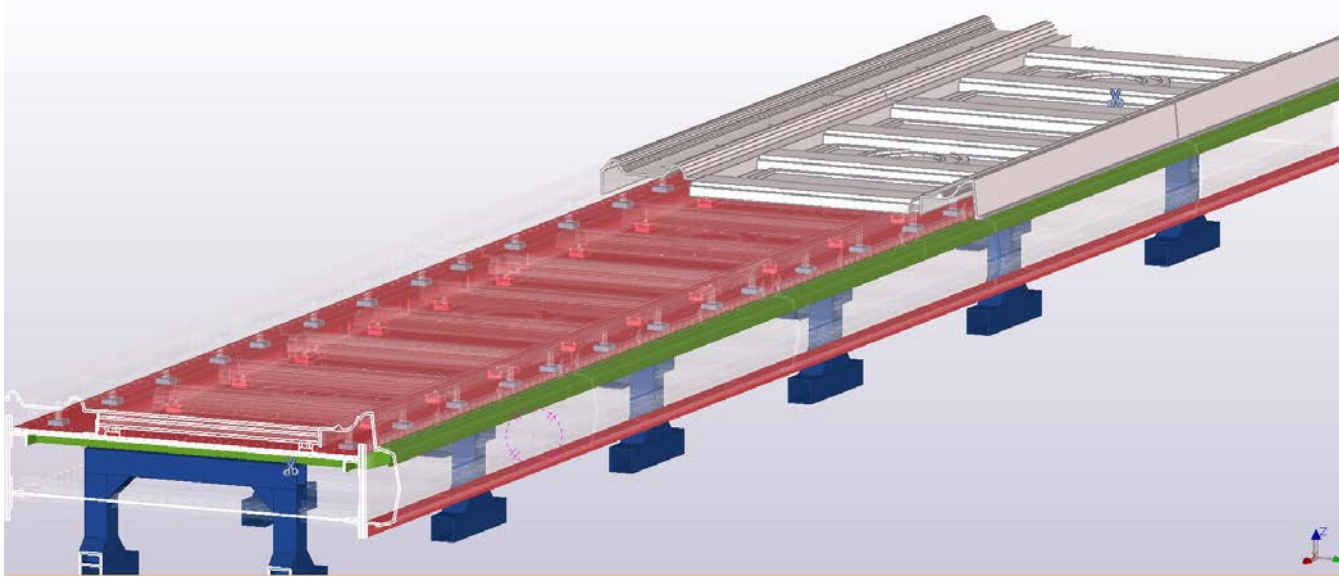






- Import IFC File to Tekla for further Design & Detailing information.
- Full Trial Erection in 3 Phases.
- Ensure site fit up and identify any potential clashes with existing.
- Reduces the risk of Progressive Tolerance errors.





- After Trial Fit Remove cast panels and Send to Painters for blast and paint.
- Weld the new connection components to the New Mild Steel Plates.
- Remove New plates from Jig and send to Galvanizers.





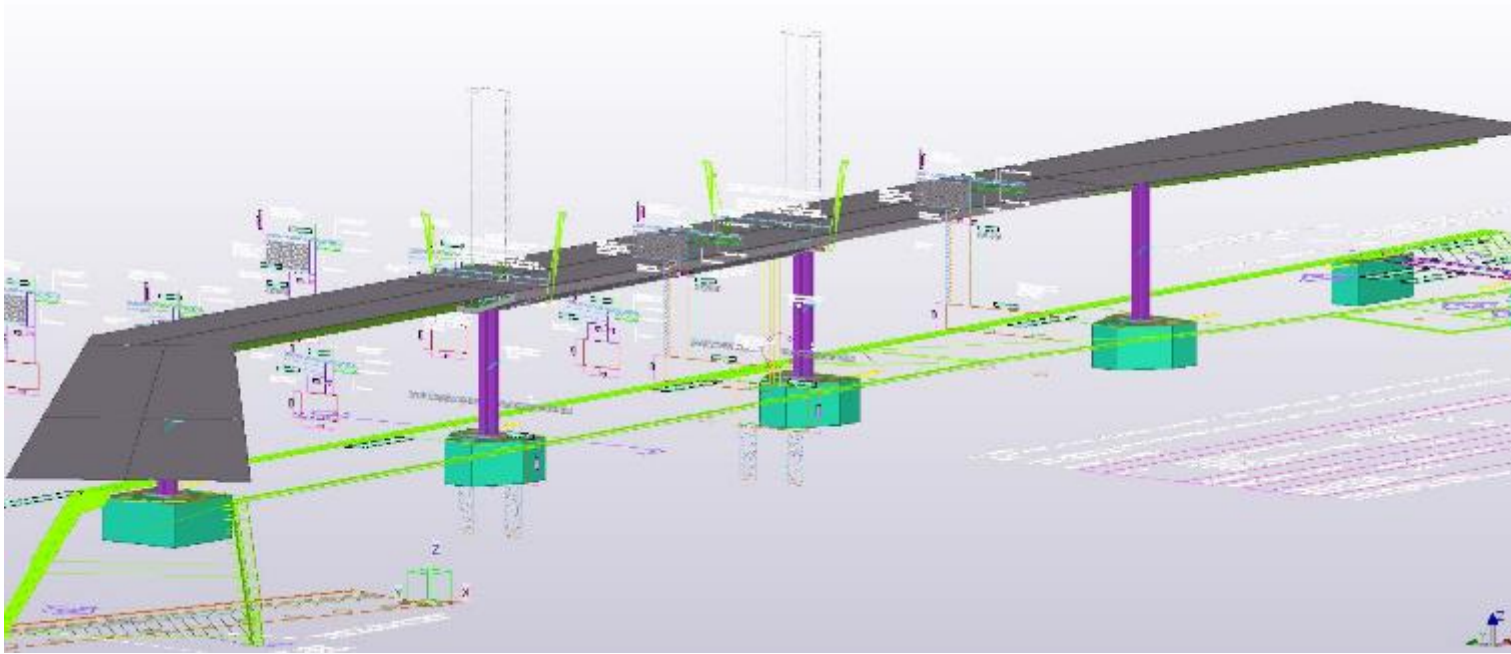


- Primer painted panels being Trial Assembled on Fab Jig.
- Accurate way of mitigating risk onsite during possession time scales.
- Confidence in our abilities.
- Attention to detail.

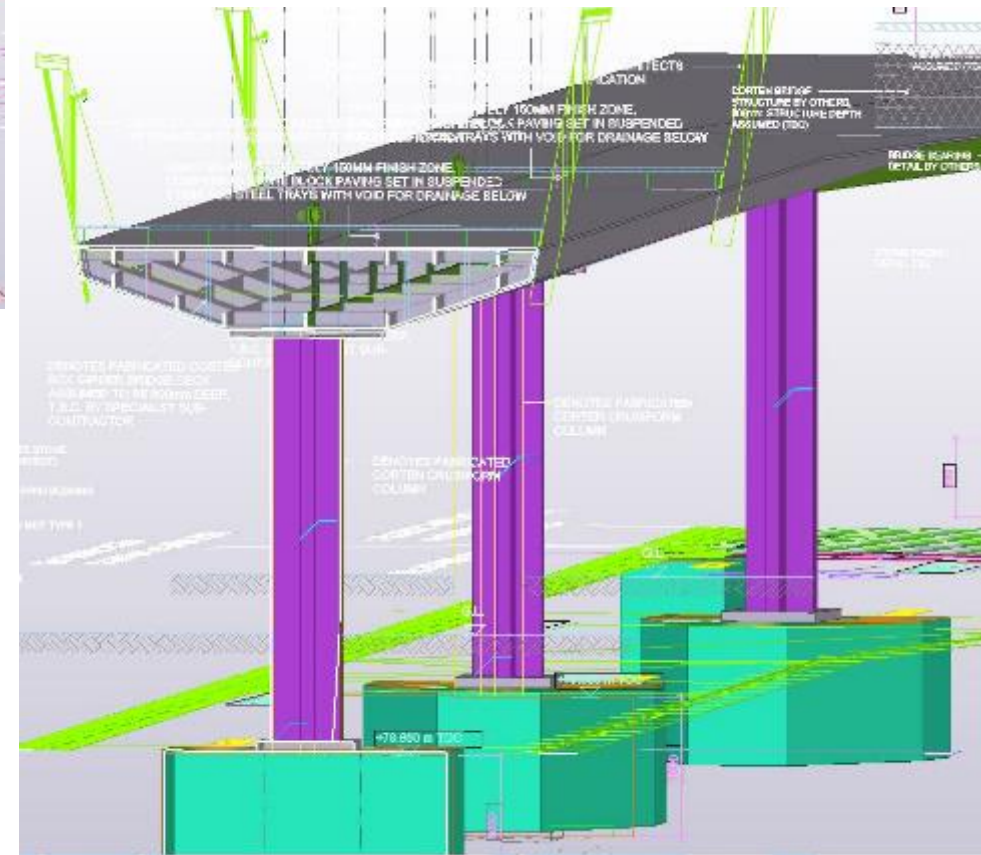


- Footbridges.
- Highways.
- Rail.
- Local Councils.
- Station Upgrades.
- OLE Infrastructure.
- Roof Trusses and Plate Girders
- Weathering Steel
- Painted.





- Weight – Approx.165t
- Treatment – Weathering Grade Steelwork ( Shot blast only).
- Built in modular stages at Heywood.
- Assembled into larger units when delivered to site.
- Lifted in place with LR1200 Crawler crane.
- All Parapet to be assembled onsite prior to lift.
- Consideration to weld larger units onsite prior to lift maybe a solution to consider working at height.
- Modelled in Tekla Structures.
- Civils by our group Civils Division.

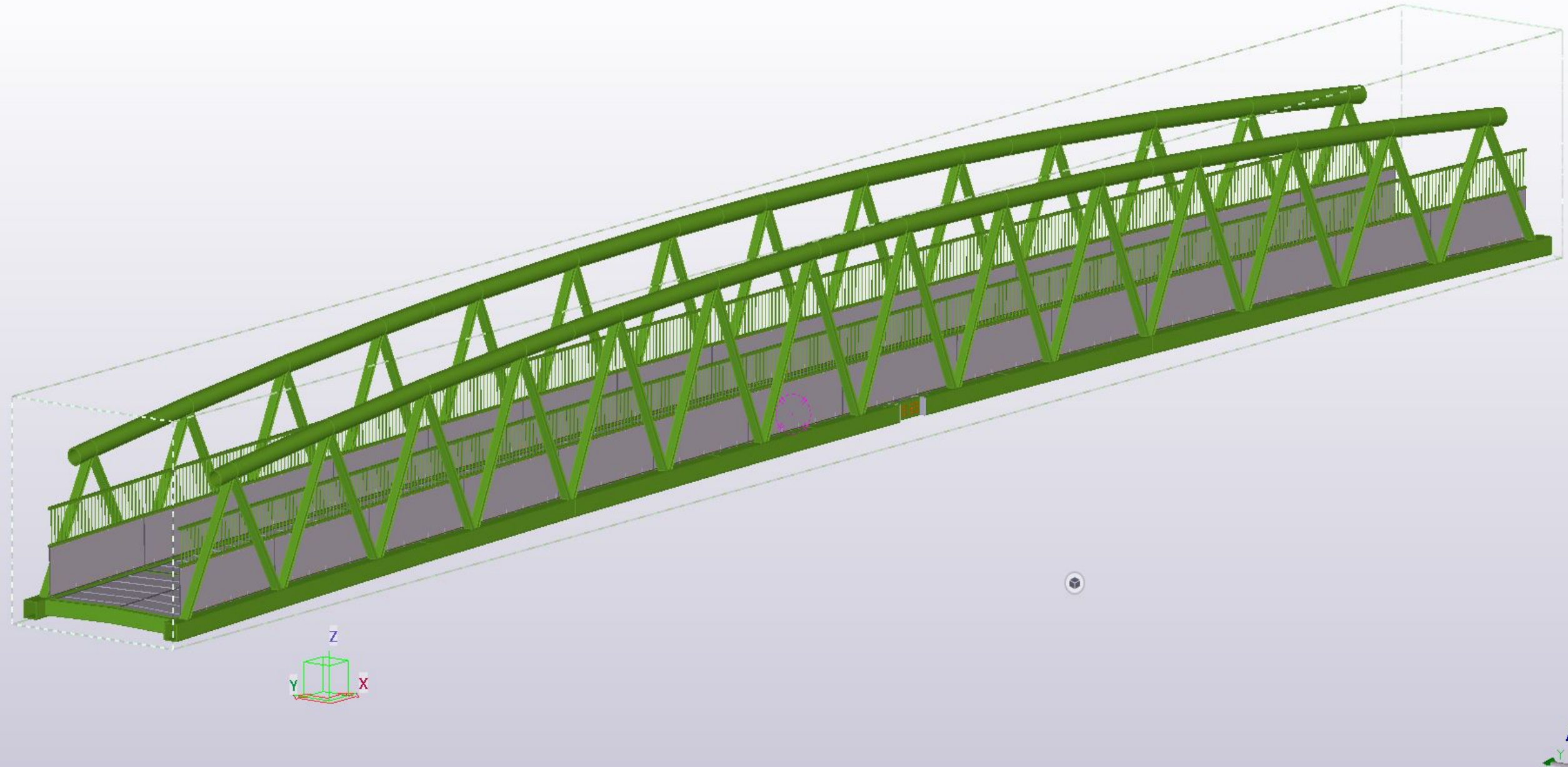


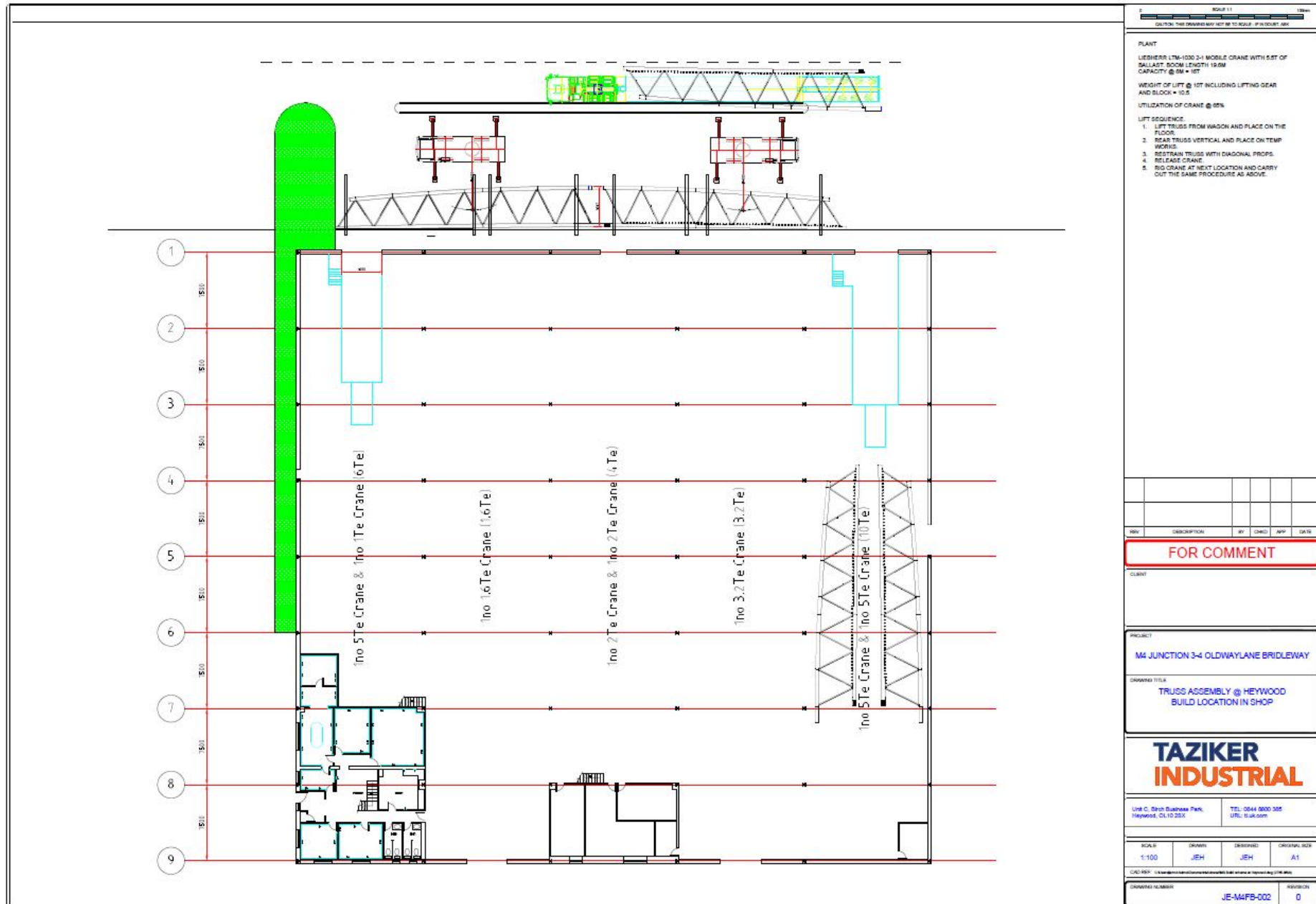


- Weight – Approx.65t
- Span 24m Approx.
- Modelled in Tekla Structures.
- Treatment – Highways MIO Paint system
- Built in Full at Heywood.
- Transported to Site in one span.
- Civils done by our group Civils Division.
- Parapet to be assembled onsite prior to lift.
- Install New Structure.
- Remove Existing Bridge.

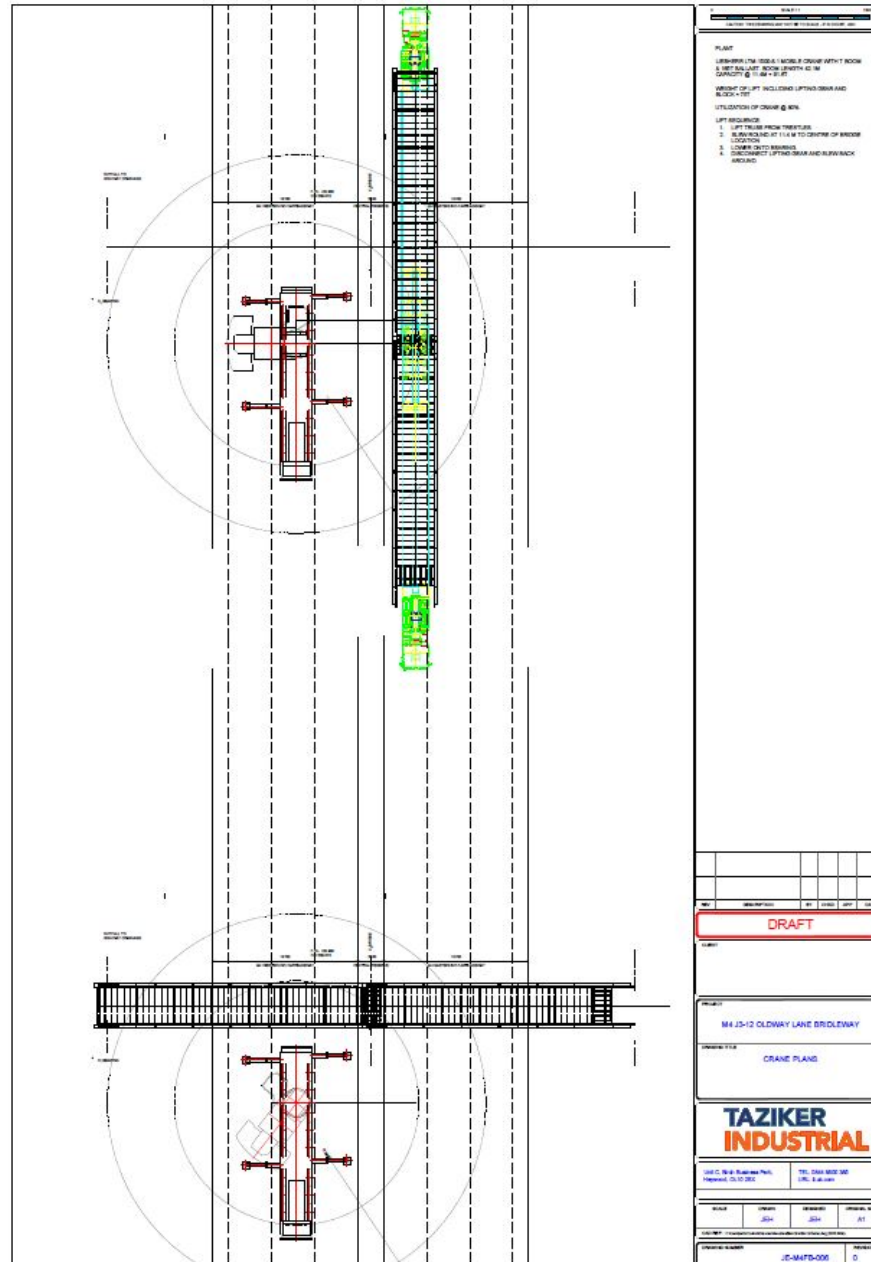


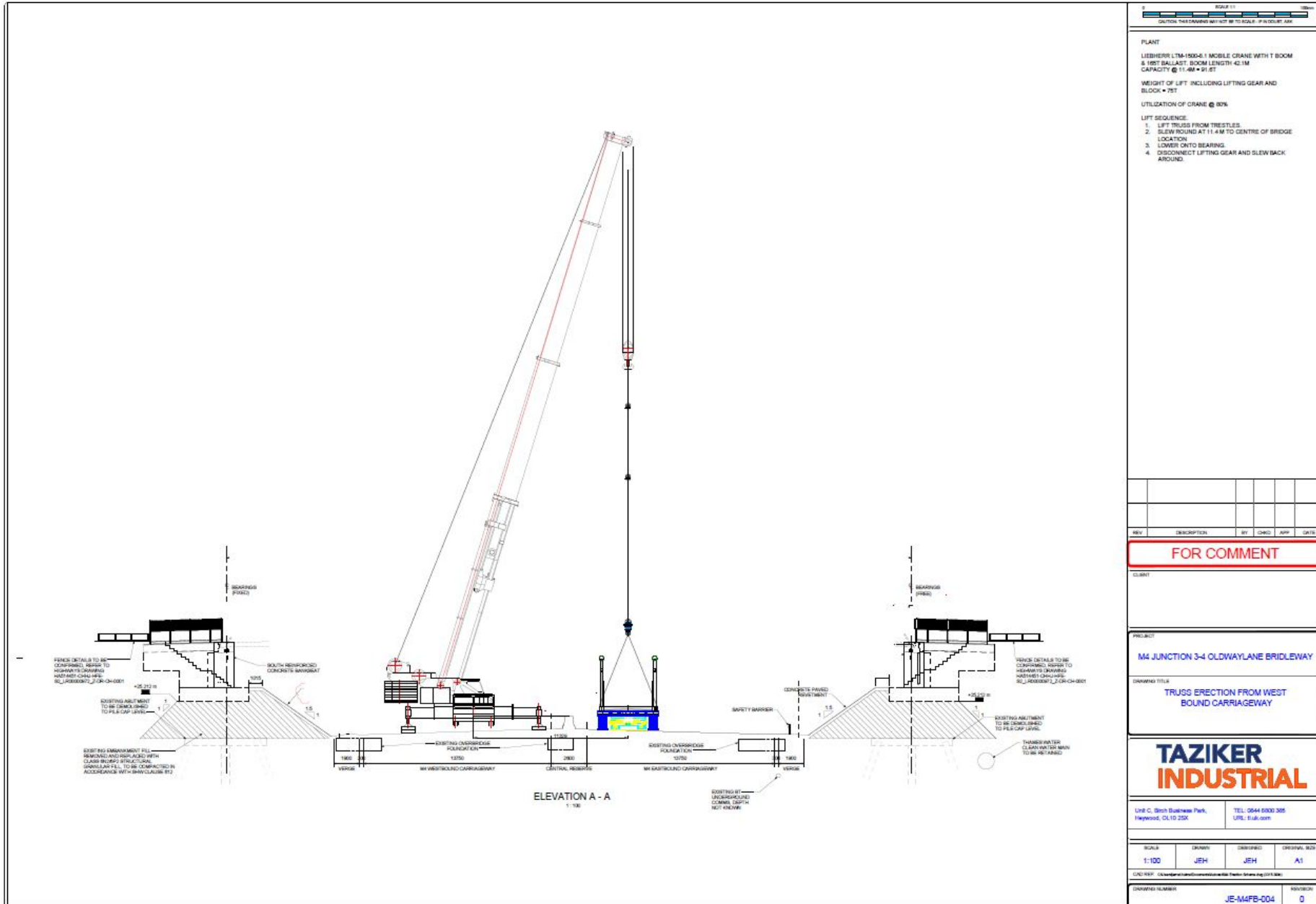




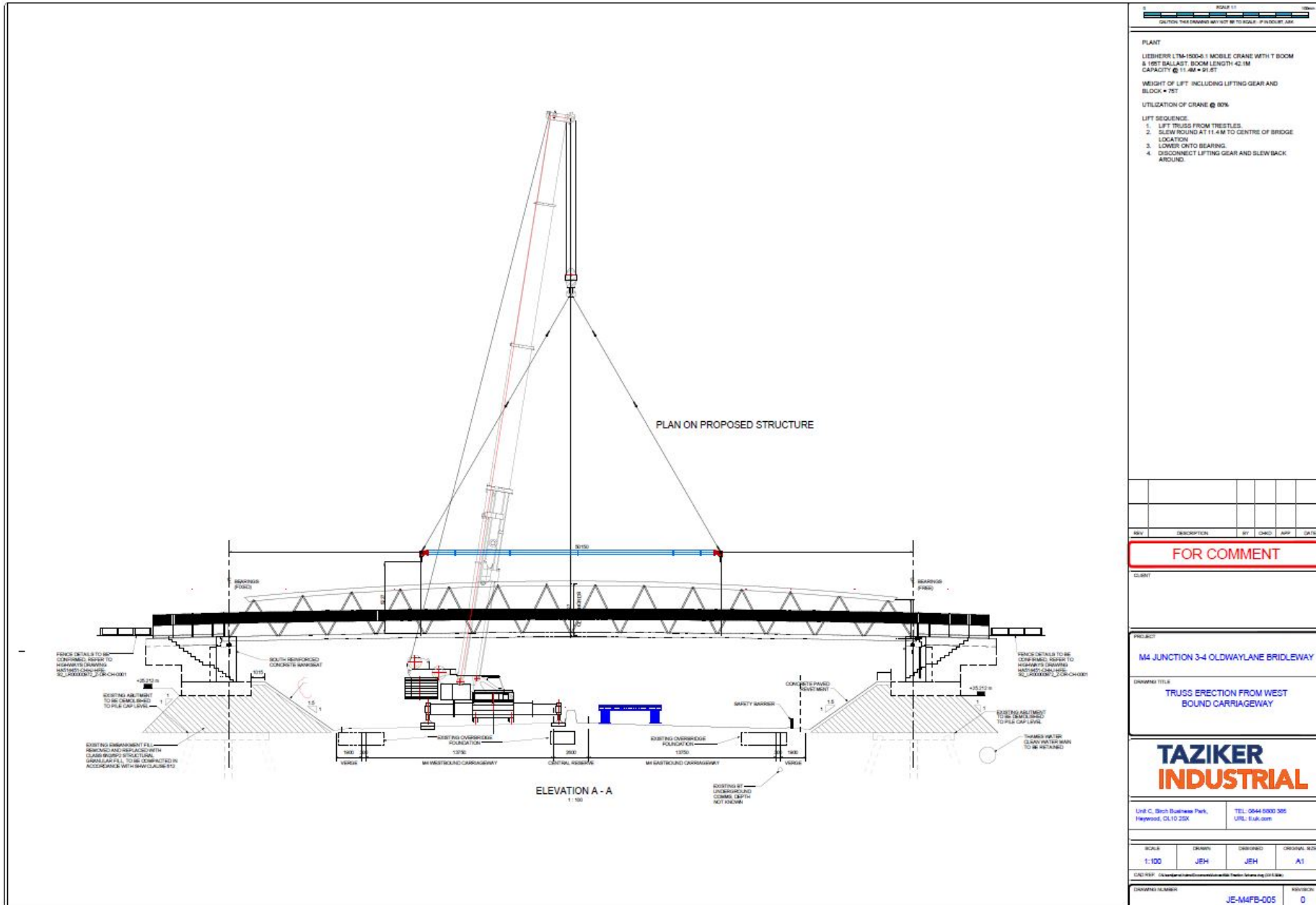












Any Questions

