

Felixstowe Branch Capacity Enhancement



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*“Bridleway
Bridge and
all associated
ancillary civils”*



Bridge Foundation Construction

Pod-Trak assisted with the construction of the new bridge on the site of the existing Gun Lane level crossing. The purpose of this was to provide an alternative safe route across the railway for walkers, horse riders and cyclists to access the countryside.

The bridge was designed taking into consideration the impact it would have on the environment and its visual appearance in the countryside. This also allowed Network Rail to permanently close six pedestrian level crossings in the area, including Gun Lane, to improve public safety.

Project Deliverables

Pod-Trak were tasked with the installation of 30 no. bridge foundations, both insitu and precast. The precast foundations ranged from 22 to 35t in weight and could only be installed from one side of the embankment. Work also included all footpaths, drainage, landscaping, grouting and all ancillary works associated with the Bridleway Bridge, which were completed following the installation of the bridge.



Completed Structure

Challenges and Solutions

Due to the location of the works adjacent to the live loop line each base required a temporary coffer dam installed during possessions. This created programme challenges due to the amount of work required to be carried out during each possession. 2 no. Movax were used, working simultaneously on both sides of

the embankment installing sheet piles in order to release mid-week works and to ensure all milestones were achieved. The Project Team successfully value engineered the installation of the 28 precast foundations by re-sequencing the lift planning and utilising a 750t crane over three possessions instead of a 500t crane over four possessions.

**BRIDGE
CONSTRUCTION
AND ANCILLARY
CIVILS**


**NOVEMBER 2018
- JUNE 2019**

**VALUE
£1.0m**

