

Barlow Wood Embankment and Woodend Lift Bridge

Client: Kier (for Canal and Rivers Trust)

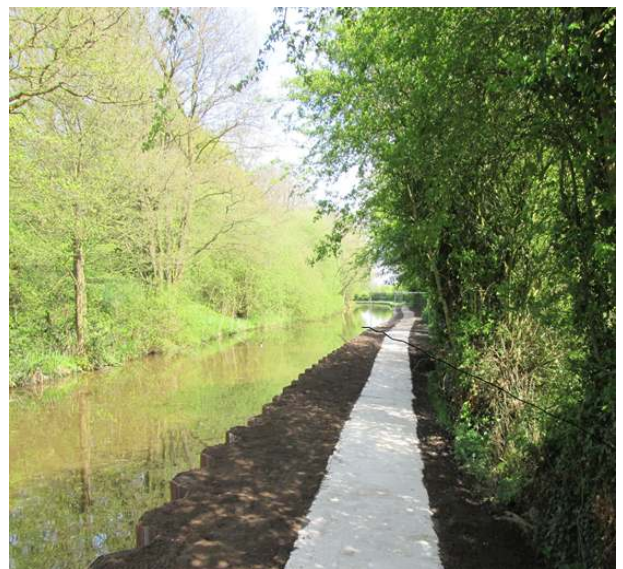
Designer: Canal and Rivers Trust

Value: £620,000

The project was to improve the condition of a number of embankments collectively referred to as 'Barlow Wood Embankments' which were in a poor condition and at risk of breach. The embankments form part of the Peak Forest Canal between the town of Marple and the village of Strines, some 5 miles to the east of Stockport and are known as Barlow Wood, Lower Ridge Farm or Plucksbridge, Strines and Strines Aqueduct. A key requirement of the project was to carry out the works without closure of the canal.

The main areas of work consisted of;

- Removal of mature trees and vegetation
- 100m of crest raising / puddle clay bund
- 104m of removing existing coping stones, repairing wash wall & relaying coping stones
- Installation of 86m of 2.4m L8 trench sheets together with coping stone relay
- Installation of 35m of 2.4m L8 trench sheets
- 30m of Top Soil Infill
- Installing 70m of 4.5m long Larssen LX16 Sheet Piles with coping stone installation
- Removal of old timber piles—36m
- Remove old or damaged L8 trench sheets
- Repairs to existing trench sheet wash wall
- 2 No L8 trench sheet fender repairs
- Installation of 75m of Larssen sheet piles 3.0m long
- 370m of towpath reinstatement



Barlow Wood Embankment and Woodend Lift Bridge (cont'd)

During the course of the Barlow Wood Project we were asked by Kier to undertake additional works at Woodend Lift Bridge which is located further along the canal from the Barlow Wood embankment site. This work included constructing new bridge foundations and was carried out under a canal closure.

This element of work included;

- 50m of 1.8m L8 trench sheets with coping stone relay
- Installation of 37m x 1.8m L8 Trench Sheets
- Construction of 2 x structural concrete bridge foundation bases & associated cabinet bases
- Pollarding of Overhanging Tree Branches
- Tarmac Carriageway Installation / Reinstatement

