



Project Name: Church Fenton Bridge Collapse

Client: North Yorkshire County Council Highways Division

Value: £15,000

Date: Dec 2018



Selby Dam Beck runs through the middle of Church Fenton dictating the village.

Early December 2019 the culvert crossing Main Street collapsed forcing the road to be closed.

The diversion from one side of the village to the next was 15 miles. This severely impacted the local community particularly with regards to access to the local school.

Hinko were notified of the problem by the North Yorkshire County Council Engineering team and asked to install a temporary bridge to span the collapsed culvert.

The Hinko team had already installed numerous temporary bridges in the past thus has lots of experience undertaking these works.

Within 24hrs of being requested to undertake the works Hinko had liaised with its supply chain to organise the delivery of a temporary bridge. The structure was lifted adjacent then skidded into position. Once in location the bridge was jacked up so it could be packed on hard wood sleepers which acted as abutments.

As the bridge comes in two halves pull lifts were used to secure the two halves of the bridge preventing movement.



Once in position Concrete VTCB's were positioned at the four corners of the bridge on a splay to guide traffic in and also act as a retaining structure for ramps required either side of the bridge.

By understanding durations, access problems, diversion timescales the Hinko site team were able to co-ordinate the works on a just in time basis, removing interfaces and ensuring that one operation was undertaken at a time.



Once the TVCB's were positioned and utilising our in-house resource two No concrete ramps at a 1:12 gradient were constructed at each end of the bridge. This concrete was left 200mm down from Finished Road levels using our in-house resource

the concrete was allowed to cure overnight, the following morning Hinko operatives placed by hand a 200mm thick layer of Hard Stone Binder on top of the concrete to give a surface finish to the correct level allowing vehicles

access over the temporary bridge.

During the surfacing works Hinko's traffic management sub-contractor installed two way lights to control traffic over the bridge.

This also incorporated the install of temporary white lining, waterfilled barriers, reflective cones and lighting ensuring public safety as they used the bridge to get from one side of their village to the other.



By utilising the Hinko site teams experience of executing these types of works access along main street was reinstated. Allowing for the North Yorkshire County Council engineering Teams to design a replacement culvert as a permanent solution to the collapse.

The project was a success, concluding within budget to the required safety standards but also ahead of programme, ensuring local access was disrupted for as shorter period as possible.