

Project Name: Thackley Retaining Wall

Client: Bradford Metropolitan District Council

Value: £35,000

Date: July 2017 2017 to Sept 2017

As part of our framework contract with Bradford Council Hinko Construction Ltd were awarded this 6-week retaining wall remediation project.

The existing retaining wall had collapsed due to a vehicle strike and posed significant risk to the highway and services in the footpath. Urgent re-build was required

The first thing the Hinko team did was deploy traffic management to remove traffic from within the angle of repose, removing loading for the collapsed wall area. In tandem the Hinko teams supported the existing services that including Virgin Media, BT and LV Electric.



It was found that the sub-formation was primarily mud stone allowing for an almost vertical face to be cut out of the embankments without fear of collapse.

Once down to formation the Hinko site team cast a new Reinforced concrete base, off this base an exterior wall was constructed which would act as a shutter for a mass fill concrete infill, stabilising the area of collapse.

Once the wall was built to level the concrete infill wall undertaken to FRL, note this was undertaken in 500mm lifts to avoid damage to the perimeter wall which was being used as a shutter.



Once the concrete was fully installed then the new parapet wall could be re-built.

Utilising existing stone to ensure that the works were in keeping with the area the Hinko stone masons constructed a double skinned wall, with concrete infill to ensure additional stability and strength.



As part of the wall construction Bradford Metropolitan District Council's engineers.

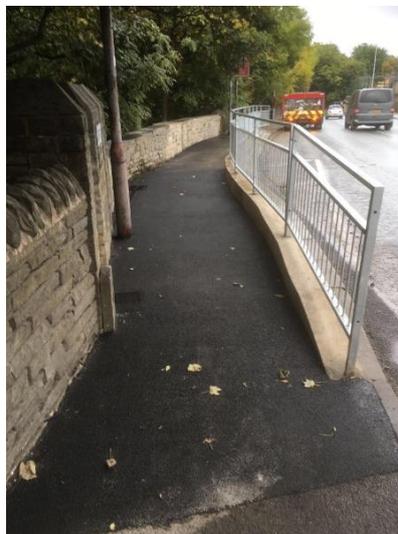
Wanted to ensure that the wall was protected from future vehicle impact and provide protection to members of the public.

To do this a Treif Kerb Solution was devised providing a vehicle restraint statement that require little or no maintenance could be tied into the existing kerb system.

As the Trief kerbs would sit up above footpath level a

ground beam was cast to the rear of the kerbs allowing for the setting in of a pedestrian handrail. This eliminated the potential trip hazard caused by the upstand on the kerbs.

Once completed the new footpath was surfaced utilising in house resource and pedestrian fencing grouted into place along the ground beam.



The project was delivered on time and on budget, not only did the Hinko team react quickly to the problem in hand they also delivered the project in a safe and timely manner.