



Project Overview

Project Title	Brighouse Flood Alleviation Scheme
Main Funding Programme	West Yorkshire Capital Flood Risk Management (CFRM) Programme
Current Forecast Project cost	£30,809,000
Funding Applied for from the Combined Authority	£4,499,000
Other public sector funding amounts and sources	Total £26,310,000, comprising: £15,482,000 - Environment Agency £9,415,000 - Calderdale Flood Partnership Board £1,413,000 - Yorkshire Regional Flood & Coastal Committee

Scheme Description

The scheme aims to improve flood resilience in Brighouse and the surrounding areas. It involves repairing and replacing flood defences along the River Calder, and landscaping and environmental improvements at Wellhome Park and Whinney Hill Park to reduce the risk of flooding from Clifton Beck. This landscaping will provide improved attenuation of flood waters within the parks to make best use of the existing flood plains, slowing the flow of Hoyle House Beck from entering Clifton Beck.

Business Case Summary

Strategic Case

Brighouse is at significant risk of flooding both from the River Calder and Clifton Beck, with several notable floods over the last 20 years affecting homes and other properties and disrupting the local transport network.

The scheme supports the delivery of the West Yorkshire Investment Strategy Priority 3 (Creating Great Places and Accelerated Infrastructure) by accelerating the delivery of flood risk management schemes and providing enhanced flood protection to business areas.

The scheme contributes to the Mayoral Pledge of tackling the climate emergency through managing flood risk and resilience. It also complements the Natural Flood Management Programme that is being funded as part of Investment Priority 4 (Tackling the Climate Emergency and Environmental Sustainability).



The scheme supports the delivery of the West Yorkshire Climate and Environment Plan by reducing flooding risk to homes and businesses and key economic and social infrastructure and improving the resilience of the local community and the local economy to climate change.

The scheme will be delivered as part of phase 1 of the West Yorkshire Capital Flood Risk Management Programme.

Economic Case

The scheme aims to reduce the risk of flooding to 55 homes and 359 other properties, reduce the risk of disruption to the transport network from flooding, and improve 46 hectares of wildlife habitat.

The scheme will deliver environmental and sustainability benefits including improved water quality, removal of barriers to fish migration, river restoration and floodplain rehabilitation and environmental enhancements, including planting, to reduce the risk of flooding from Clifton Beck.

The scheme has a benefit cost ratio (BCR) of 1:3.4.

Commercial Case

The scheme will be delivered through the Environment Agency's Collaborative Delivery Framework. The framework was renewed by the Environment Agency in 2023 and Arup (consultants) and BAM Nuttall (contractors) were appointed to deliver schemes across their North East 'Hub' which includes West Yorkshire.

Financial Case

The total cost of the scheme is estimated at £30,809,000. The scheme will be funded through a number of different sources, including the Environment Agency, the Calderdale Flood Partnership Board and the Yorkshire Regional Flood and Coastal Committee. The Combined Authority funding of £4,499,000 from the Single Investment Fund (SIF), Investment Priority 3 gainshare allocation, is required to complete the funding package for the capital works.

Management Case

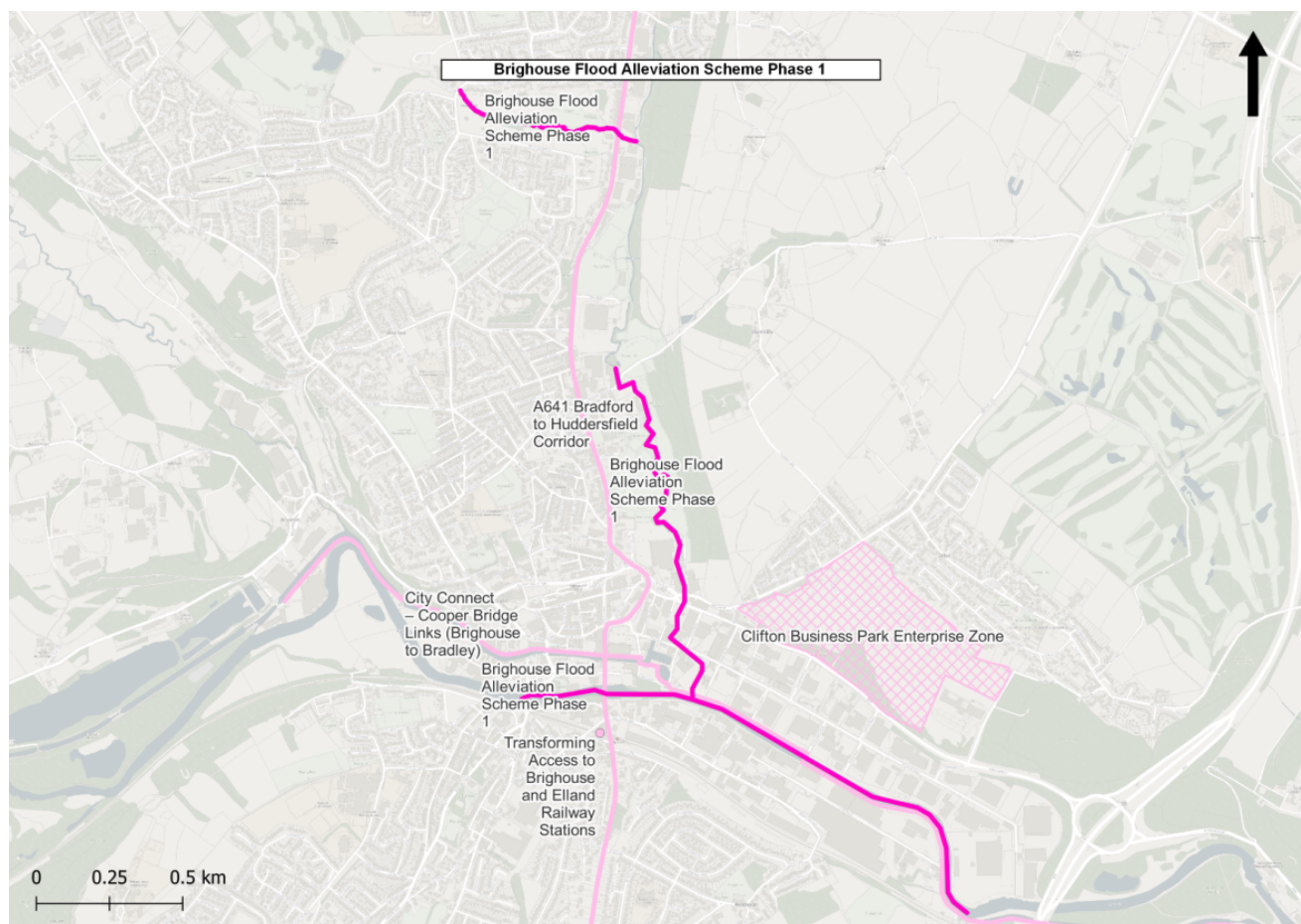
The development and delivery of the scheme is being managed through an Environment Agency led project board.

On completion of the scheme, the Environment Agency will be responsible for maintaining and managing the structural integrity of the flood banks and control structures and Calderdale Council will be responsible for the maintenance of the parks, covering grass cutting and landscaping elements.

The early works package to the River Calder started in September 2023. The main construction works are expected to start in March 2024, and finish in March 2026.

Location Map

The following map shows the location of the Brighouse Flood Alleviation Scheme



Please note, depending on the level of scheme development, the location and scope of the schemes indicated here are indicative only.

For further information on Combined Authority schemes please refer to: <https://www.westyorks-ca.gov.uk/growing-the-economy/leeds-city-region-infrastructure-map/>