



Flood Alleviation Scheme Bewdley Severnside North, England

Situated in a beautiful natural setting, the small Georgian market town of Bewdley, in the Midlands, is characterised by houses of historical interest on both sides of the River Severn. As a result, the town is always threatened by re-occurring flooding from the river. The Government's Environment Protection Authority, the "Environment Agency", sprung into action and, in consultation with the Historic Monuments Authority, installed a demountable flood defence system. As the floods can generally be predicted several hours in advance, a demountable flood defence system was considered to provide the optimum solution, as in good times the town's visual aspect is not affected. A challenge for the designers was the connection of the flood alleviation scheme with the historically important Grade 1 listed river bridge by Thomas Telford, which links the two parts of the town.



Bewdley is situated in a large floodplain



Full system erection at minimum defence height



Holding back rising flood waters

Client: Environment Agency
Heights: max. 3,30 m
Length of the defence line: 180 m
Area: 450 m²

Characteristic features:

- Symmetrical posts with preinstalled ground plates

- Replaceable compressible seals
- Interlocking dam beam profiles
- Height adjustable with rising floodwaters
- Limited number of system components
- Simple compression of dam beams
- Erection on landward side