



SALFORD RISE ELEVATED BRIDGE DEVELOPMENT



As part of the transformative Salford Rise development, over 3,000m³ of Leca® Lightweight Aggregate (LWA) was specified for use in the construction of a new elevated bridge walkway. The project, located adjacent to the University of Salford, aims to remove longstanding physical barriers and establish seamless

connectivity between surrounding communities and the evolving innovation district.

Funded in part by a £13.17m Levelling Up Fund grant, the scheme represents a major investment in the urban regeneration of Greater Manchester.

Geotechnical Challenge

The construction of the bridge abutments presented challenging ground conditions, requiring a solution that would:

- Minimise settlement and structural pressure
- Address long-term risks such as sliding, tilting, and bearing failure
- Accelerate installation to reduce time on site

Traditional fill materials were deemed unsuitable due to their weight and the corresponding structural demands.

FACTS

Amount of material: 3000m³ of [LECA LWA \(10-20mm\)](#)

Interesting Fact: The project, located adjacent to the University of Salford, aims to remove longstanding physical barriers and establish seamless connectivity between surrounding communities and the evolving innovation district.

Delivery Method: Walking Floor

Main Contractor: Eric Wright Group