



## CALDER AND HEBBLE JUNCTION CORRIDOR A629



Work is now underway to transform the Calder and Hebble junction corridor of the A629 near Halifax - the largest individual civil engineering project ever undertaken to date by Calderdale Council. – where 3,500m<sup>3</sup> of LECA LWA has been specified as a lightweight fill for a new highway development.

The works are set to improve the Calder and Hebble junction and form a significant phase of a wider scope project to improve the A629 between Halifax and Huddersfield. The project aims to improve journey times between Huddersfield and Halifax by up to 30%

This project will include a new link road, which will be created via a bridge spanning the Calder and Hebble Navigation to a roundabout on Stainland Road. The project is fully funded by the West Yorkshire Combined Authority through the West Yorkshire Plus Transport Fund.

## FACTS

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**Amount of material:** 3,500m<sup>3</sup> of [LECA®LWA \(10-20mm\)](#)

**Sub Contractor:** SISK

**Interesting Fact:** The project aims to improve journey times between Huddersfield and Halifax by up to 30%.

## Sustainable Development

Sisk has appointed consulting engineer WSP to work on the design elements of the improvement plans focus on the key areas of Huddersfield Road, Stainland Road and Wakefield Road. This project will include a new link road, which will be created via a bridge spanning the Calder and Hebble Navigation to a roundabout on Stainland Road. The project is fully funded by the West Yorkshire Combined Authority through the West Yorkshire Plus Transport Fund.

The ability to reduce settlement of an embankment when incorporating Leca® LWA can offer huge benefits; reducing timescales from years to a few months and even, in some instances, eliminate settlement periods altogether.





## **Water Management Properties**

LECA LWA provided a robust water management system for the Rising Main where LECA LWA has the properties to effectively manage rising water levels and prevent flooding.

Using free draining LECA® Lightweight Expanded Clay Aggregate as a structural material within a civil engineering development will intercept the percolating water and water rising by capillary action from the sub-formations and direct the rising water away from the upper construction layers to improve load bearing capacity.

Construction of embankments over weak and compressible soil deposits, where the loading of the embankment causes soil consolidation and settlement, is common. This major scheme will see the current road layout completely transformed, with improvements to road safety and journey times along the A629.

One of the most significant and complex parts of the project will involve the construction of a new road bridge spanning the Calder and Hebble Navigation to a roundabout on Stainland Road.

Significant preparation work has been carried out ahead of the works to reduce disruption as much as possible. The benefits of the investment include improved walking, cycling and public transport access, improved air quality and safer journeys, particularly for cyclists and pedestrians.

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