



## HARTHOPE VIADUCT | WEST COAST MAINLINE, MOFFAT, DUMFRIESSHIRE



Contractors seeking an urgent solution when large voids were found within the structure of a landmark railway viaduct turned to Leca® Lightweight Expanded Clay Aggregate as the lightweight solution. The unexpected voids were discovered behind the abutments of a Victorian bridge during a major £8 million

replacement project at Harthope Viaduct on the West Coast Main Line near Moffat, Dumfries & Galloway.

With only five days remaining before possession, contractors Skanska UK Civil Engineering, of Doncaster, working on behalf of Network Rail West Coast Main Line, had to source and install a lightweight product capable of filling the voids without imposing undue loadings on the existing bridge abutments in just 2 days.

## FACTS

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**Amount of material:** 2000m<sup>3</sup> of [LECA LWA \(10-20mm\)](#)

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**Delivery Method:** Pneumatic Delivery

**Main Contractor:** Skanska UK