



QUEENSFERRY CROSSING SCOTLAND



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Leca UK has provided its expertise and materials to the construction of the new Queensferry Crossing, the 2.7 km-long bridge linking Edinburgh and Fife.

The Crossing Bridge, which is the longest three tower, cable-stayed bridge in the world and also the largest to feature cables which cross midspan, officially opened to traffic on 4 September 2017.

Leca UK, who specialises in the production of Leca® lightweight expanded clay aggregates, has supplied 5500m³ of their lightweight aggregate Leca® LWA 10-20mmR to be used in the reinforcement of the bridge's supporting structure on the north side of the A90.

Leca's work in the area involved supplying the Lightweight aggregate used to raise part of the existing A90 mainline levels and widening westwards. The traditional solution of direct placing conventional fill materials on the existing A90 and the adjacent ground would have applied additional loads on the soft peat and underlying alluvial materials, resulting in unacceptably large settlements, as well as causing environmental issues.

FACTS

Amount of material: 5,500m³ of [LECA LWA \(10-20mm\)](#)

Interesting Fact: Leca® LWA was applied to raise part of the existing A90 mainline levels and widening westwards.

Delivery Method: Walking Floor

Main Contractor: Forth Crossing Bridge Constructors JV (FCBC)