



## AURS ROAD COASTAL DEVELOPMENT



More than 12,450 m<sup>3</sup> of Leca® Lightweight Aggregate (LWA) was specified and installed as part of the Aurs Road infrastructure upgrade in East Renfrewshire, Scotland. The project forms a key element of a wider transformation of the route, converting what is currently a winding single carriageway into a safer, straighter

road with a dedicated active travel corridor and a new waterside promenade overlooking Balgray Reservoir.

The scheme is being delivered by GRAHAM, with the project led by East Renfrewshire Council as part of a wider programme to improve connectivity, road safety and sustainable transport infrastructure in the area.

## **Project Context**

Aurs Road runs directly along the earth embankment dam of Balgray Reservoir, which presented a significant structural and geotechnical constraint for the design team. Any widening of the road or addition of new infrastructure required careful management of loading to ensure the integrity and long-term stability of the dam structure.

To accommodate the new cycleway, footpath and promenade, the design incorporated a reinforced concrete retaining wall extending over 600 metres along the route. Ground conditions vary along the alignment, adding further complexity to the structural design.

## **FACTS**

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**Amount of material:** 12,450m<sup>3</sup> of [LECA LWA \(10-20mm\)](#)

**Interesting Fact:** To create the additional width required for the cycleway and footpath, the design incorporated a reinforced concrete retaining wall extending over 600 metres along the route.

**Delivery Method:** Walking Floor

**Main Contractor:** GRAHAM

**Design Team:** STANTEC