



## A46 Coventry Junctions Upgrade Binley Junction

Client: **National Highways**

Consultant: **COWI**

Contractor: **Octavius Infrastructure Ltd**

Works Completed: **2022**

For many years congestion at Binley, Coventry has led to longer trip times and poor journey reliability at the junction between the A46 and A428. National Highways decided that this junction required an upgrade to improve traffic flow and support economic growth in the area.

As specialist designers and suppliers, Reinforced Earth Co. Ltd. (RECo) became integrated within the design team at an early stage, enabling its experience and unique products to be fully utilised in the design of the large ramps supporting the flyover carriageway.



Reinforced soil technology provides an amazingly efficient solution for bridge approach ramp retaining structures, thin precast facing panels and bespoke soil reinforcement offer significant savings in carbon emissions compared to say cast in place concrete walls, being inherently flexible the walls are very tolerant to settlement and as added value we can incorporate our BBA approved parapet anchor slab arrangement.

The precast concrete facing panels used have a maximum thickness of 140mm, RECo and our manufacturing partners Macrete Ireland are continuing to develop our solutions to fully encapsulate some of the latest developments in concrete technology including low carbon concrete.



Photograph courtesy of National Highways and Octavius Infrastructure

Dave Mantle, Senior Site  
Manager of Octavius

Infrastructure said: *"Having used RECo for the provision of a reinforced earth wall system on a new highway scheme I found them to be very helpful and easy to work with in the run up to construction and also throughout the construction. The quality of the final product was very good and looks well now that the work is complete and open to traffic."*