




TensorTech TW1 Link modular block wall system is constructed at 89.2° and offers flexibility on architectural finish

 Walls and Slopes  
Nº 461

## Transpennine Route Upgrade – Queens Road

 Manchester, UK

CONSTRUCTED IN 2021

### Benefits

**Flexible facing appearance** enabled the client to match masonry brickwork to the existing structure

**Non-specialist installation** meant there was flexibility to utilise the site team around other elements of works

**Economical benefits** highlighted by the contractor against conventional Formwork and Reinforced Concrete

### Mixing old with new

On an important section on phase one of the Transpennine Route Upgrade (TRU) West, TensorTech TW1 Link wall system allowed the benefits of a reinforced soil wall together with the flexibility to match masonry brickwork to the existing structure.

#### CLIENT'S CHALLENGE

The TRU will deliver improvements along a 76 miles route across the Pennines from York to Manchester, via Leeds and Huddersfield. In the section from Manchester Victoria station towards Miles Platting, there was a need to straighten track alignment to improve line speeds that included re-positioning the existing bridge structure.

#### TENSAR SOLUTION

Working closely with Transpire Alliance, Tensor were able to address the client's requirement to match the architectural appearance of surrounding structures by offering TensorTech TW1 Link wall system, featuring an integral moulded recess to enable incorporation of stainless-steel ties to which an external cladding may be attached. The reinforced soil wall design undertaken by Transpire's design partner was assisted by free access to TensorSoil design software (in accordance with BS8006) following an in-house tutorial session. Tensor are RISQS verified for design and supply of TensorTech Reinforced Soil Walls & Slopes into the rail sector.

