

M27 Romsey Road

Hampshire 2019



Client	Highways England
Contractor	Octavius
Consultant	WSP

The bridge which carries the A3057 Romsey Road over the M27 is a concrete overbridge constructed in the 1970s. The bridge had developed cracks at the ends of the prestressed concrete beams and was unable to move as designed due to a failure of its bearings.

The bridge needed to be demolished and replaced with a new structure, however the demolition was to be kept to a minimum and so the existing bridge abutment bases were kept and RECo designed the new structure around these bases, using a mixture of techniques within the Reinforced Earth mass.

As a result there was a significant cost and time saving due to reduced demolition and less requirement to dispose of the concrete waste. Using discrete soil reinforcing strips means the design can be flexible and work around any obstructions in the backfill.

(photograph courtesy of Octavius/Pete Langdown 2022)