

Romsey Road Bridge Replacement (M27)**Client:** Osborne**Value:** Circa £2,700,000**Duration:** 46 weeks**Project Detail****Issue:**

The replacement of the existing reinforced concrete bridge over the M27 at Rownhams formed a key part of a major highways infrastructure scheme. As a second-tier supplier to Osborne's Highways Division, we were responsible for delivering a range of enabling works, civil engineering and specialist piling operations to prepare the site for the installation of the new bridge deck.

The project required careful coordination across multiple work packages, including the construction of temporary access infrastructure, piling platforms, reinforced earth structures and foundations, all within a live motorway environment where safety, sequencing and programme certainty were essential.

Solution:

Working closely with Osborne's Highways Division, we delivered the project in two coordinated phases comprising earthworks and civils, followed by specialist piling operations. Our creative approach to construction sequencing enabled the safe delivery of a 200-metre metalled access road, secure site compound, drainage infrastructure, launch area and haul route for the transportation and installation of the new bridge deck. Temporary sheet piling facilitated the construction of access roads, while reinforced concrete ramp slabs connected the haul route to the existing motorway hard shoulder, supporting the movement of the high-capacity bridge transporter.

To provide a robust foundation for the new structure, we installed 900mm diameter cased bored bearing piles using a Soilmec SR20 rotary piling rig, alongside ground anchors and reinforced earth banks to stabilise piling platforms and retain the new bridge abutments. By carefully coordinating specialist plant, engineering expertise and multiple construction disciplines, we maximised productivity while maintaining programme efficiency and quality throughout the works.

Sustainability was considered through efficient construction planning and the use of engineered temporary works that minimised unnecessary excavation and material use, while

our collaborative delivery model reduced delays and optimised site operations. Throughout the project, our experienced teams worked safely and efficiently within the constraints of a live motorway environment, demonstrating the reliability required to deliver critical infrastructure safely, on programme and to the highest engineering standards.

Outcome:

The enabling works, civil engineering activities and specialist piling were successfully completed, providing the secure foundations and supporting infrastructure required for the installation of the new bridge. Through careful planning, collaborative delivery and specialist engineering expertise, the project was completed safely and efficiently, contributing to the successful replacement of a key strategic highway structure.

Photographs:

