

Port of Felixstowe

Client:
Costain Ltd and FDRC

Block 5 - Pavement & Drainage Works

Project Overview & Scope

Gill Civil was appointed to undertake the rehabilitation and replacement of over 135,000m² of defective paving at Felixstowe Port. The works formed a key part of the port's infrastructure upgrade, requiring the delivery of high-performance pavement solutions within a busy operational environment. The scope included repair and sealing of existing CBGM, installation of fin drains and drainage chambers, construction of gantry reefer foundations, installation of reinforcement and dowelled joints, and the supply and placement of PQC concrete of varying depths and colours using an on-site batching plant.

Challenges and Execution

The project was delivered within a live port environment, requiring a high level of safety management due to constant vehicle movements and crane operations. Works were carefully phased across 24 stages, with both day and night shifts implemented to maintain port operations and minimise disruption. Detailed planning, efficient sequencing, and close coordination with stakeholders ensured safe execution while maintaining productivity. The use of an on-site batching plant enabled consistent concrete supply and quality control throughout the programme.

Benefits and Outcomes

The scheme was completed successfully and six months ahead of the original programme, demonstrating efficient delivery and strong project management. The works significantly improved pavement performance and durability across the port, supporting ongoing heavy-duty operations. Gill Civil's contribution was highly valued and recognised by the client, Costain Ltd, highlighting the team's ability to deliver complex infrastructure projects safely, efficiently, and to a high standard.

