Precast Concrete for Railway Infrastructure

Specialist Delivery Partner to UK Railway Infrastructure Projects
Product Range

Our diverse product range includes the following:

Bridge Beams
- U-Beam,
- T-Beam
- TY-Beam
- MY-Beam
- Y-Beam
- M-Beam & UM-Beam
- Bespoke Precast Post-Tensioned Beams

All these beams can be supplied with precast abutments, piers, cill units, bed stones, parapet/edge beams, GRC, and concrete deck units.

Portal Bridge Units

The portal frame bridge system comprises of a precast portal frame which interlinks on precast structural base sections. A joint is created between the frame and the base units. The system is designed rigorously, explicitly incorporating soil-structure interaction and identifying the optimal location of the joint in order to minimize section thicknesses and steel reinforcement.

The system effectively provides the structural efficiency and ease of construction of precast culverts but allows for much greater spans and clearances. In addition, the lack of a base slab makes the system less disruptive to install and more amenable to the restrictions imposed by Railway Authorities.

• Box Culverts
• UAN Units (Large Culvert Sections)
• Bespoke Box Beams
  Precast reinforced and Precast Prestressed
• Wing Walls & Retaining Walls
• Arch Units
• GRC Deck System & Concrete Deck Units
• Bedstones & Cill Beams
• Parapet Beams
• Copings
• Precast Cantilever System
• Rail Platform Units
• Precast Lift Shafts
• Reinforced Earth Systems
Design

Shay Murtagh Precast provides a comprehensive in-house design service for all our clients. Our design team will work in tandem with the clients design office to deliver the best value engineering solution to fit the project requirements. We also provide full ‘Professional Indemnity Insurance’.

Transport & Logistics

Our company provides a complete logistics service with planned deliveries to any location across the U.K. We pride ourselves on meeting our clients programme requirements and we receive a significant level of repeat business as a result of our reputation for service.

Manufacture

Shay Murtagh Precast combines innovation with modern manufacturing techniques to consistently deliver a quality product to the many sectors of civil engineering industry throughout Ireland and the United Kingdom. All our products are manufactured to the most exacting specifications in compliance with our ‘Integrated Management System’ which includes ‘BS. EN. 9001 Quality Management System, BS. EN. 14001 Environmental Management System & OHSAS 18000 Health & Safety Management System’

“Complete Rail Bridge Structures can be trial erected and inspected at our factory before delivery.”
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