

Bridge Deck Formwork System

The formwork system is used for free cantilever construction of cable-stayed concrete bridges and post-tensioned box girders. It is a self-launching system that enables efficient and automated construction of bridge decks.



Overview

Advanced Bridge Construction Solution

The Formtraveller is a specialized self-launching formwork system engineered for the free cantilever construction of post-tensioned box-girder and cable-stayed concrete bridges. Designed for efficiency, this lightweight and versatile system allows for the sequential construction of bridge segments. By rolling forward on rails and utilizing hydraulic mechanisms, it significantly improves construction speed while minimizing the need for extensive scaffolding.

Technical Features

System Capabilities

- Self-launching operation
- Automated bridge deck construction
- Rapid resetting via rolling rails
- Hydraulic positioning and adjustment

Design Benefits

Lightweight • Versatile • Easy Assembly • High Efficiency

Construction Method

Free Cantilever Construction, Post-tensioned Box-girder, Cable-stayed Bridge