

Technical Description Segment Lifter



Shenghua Heavy Crane Group

Segment Lifter

Segment Lifter is used in the construction of precast segmental balanced cantilever bridges, where pre-casting is possible and the segment can be transported below the span.

A segment lifter is much easier to construct than a launching gantry and is more versatile.

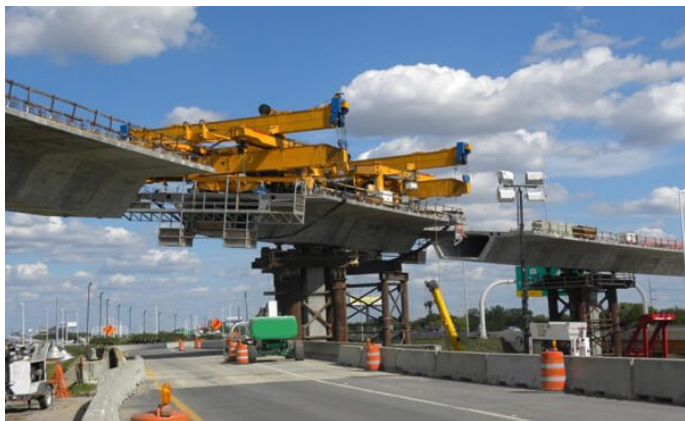


Product Overview

The self launching segment lifter is launched through hydraulic system which gives a safe launching for the equipment. The segment lifter allows faster erection and is therefore addressed to bridges with a great number of spans. Segment lifters are consist of structural steel, however a segment lifter is not required to span from one pier to the next and therefore it does not contain as much steel as the launching truss.

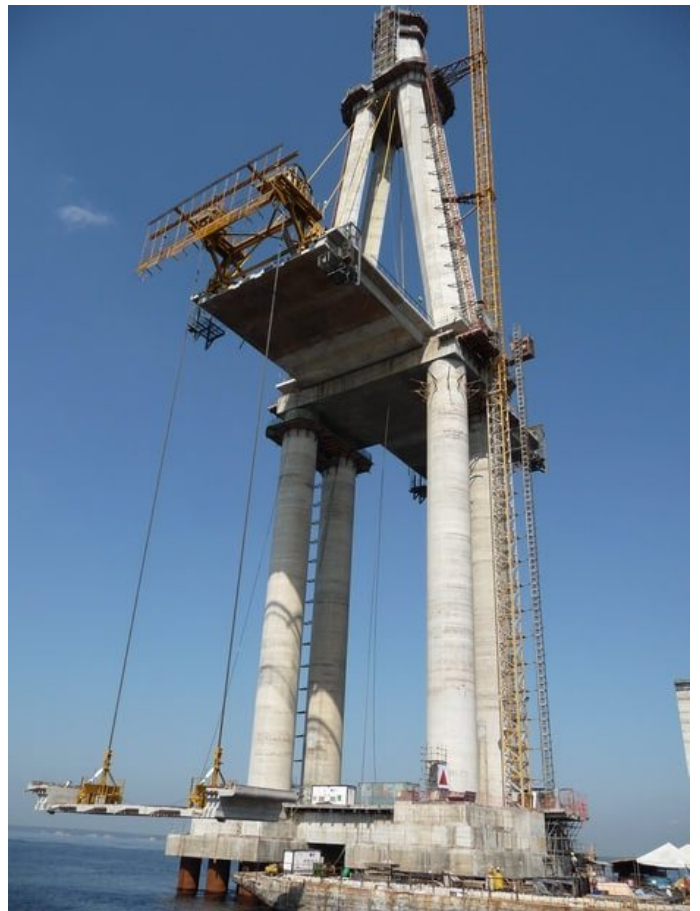
Two segment lifters work in tandem with its mirror equivalent, with one lifter erecting in one direction from the pier and the second lifter erecting in parallel in the opposite direction.

Shenghua Heavy Crane Group has developed several types of bridge deck erection system segment lifter customized for the various erection requirements and conditions of precast segmental viaduct.



Product Features

1. It is equipped with two electric hoists for lifting the pre-cast segments and adjusting the cross-fall.
2. Segment lifters are usual designed to install segments in ramps, in tight locations, or in areas that are generally difficult to access.
3. Following assembly, installation and commissioning by suitable cranes, segment lifter can operate independently.
4. Segment lifter incorporate two primary hydraulic systems providing both lifting of segments and moving of the frame itself during construction.
5. When high lifting speeds are required, tandem lifting units or winch systems are utilised on segment lifter.



SHENGHUA HEAVY CRANE GROUP

Add: Crane Industrial Park, Xinxiang City, Henan Province, China

Email: sales@shenghuacrane.com

Mobile: +86 155 373 17599

Tel: +86 373-3808200

Web: <http://www.shenghuacrane.com/>