KAWASAKI STEEL TECHNICAL REPORT

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Steel Structure, and Continuous Casting of Steel

Engineering Technologies for Steel Structures Applied to Trans-Tokyo Bay Highway Project

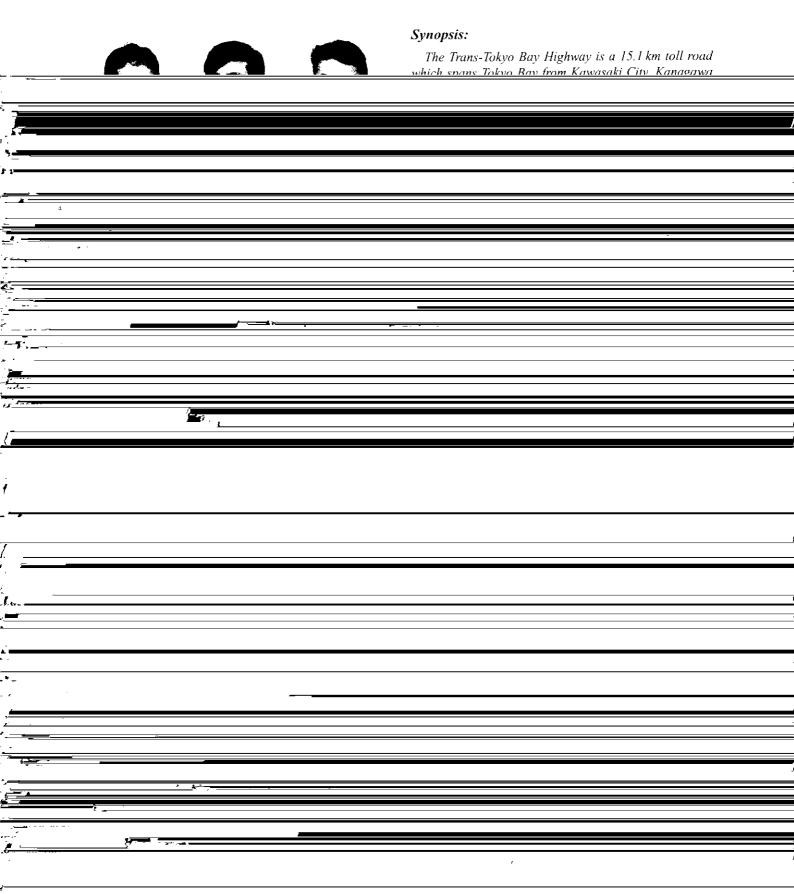
Kenshi Furumuro, Takashi Kobayashi, Kyotaro Kanda

Synopsis:

The Trans-Tokyo Bay Highway is a 15.1 km toll road which spans Tokyo Bay from Kawasaki City, Kanagawa Pref., to Kisarazu City, Chiba Pref., and consists of a bridge, an undersea shield tunnel and two man-made islands. Many new technologies were introduced in the construction of this road. Kawasaki Steel participated in this project in: (1) development and execution of a jacket type steel revetment, which was the first application of an oil drilling-type jacket to a revetment structure, (2) design and erection of a large-scale bridge with long-span and multi-span continuous girders on the sea, and (3) design and installation of a deck-module structure with facilities for the shield tunnelling.

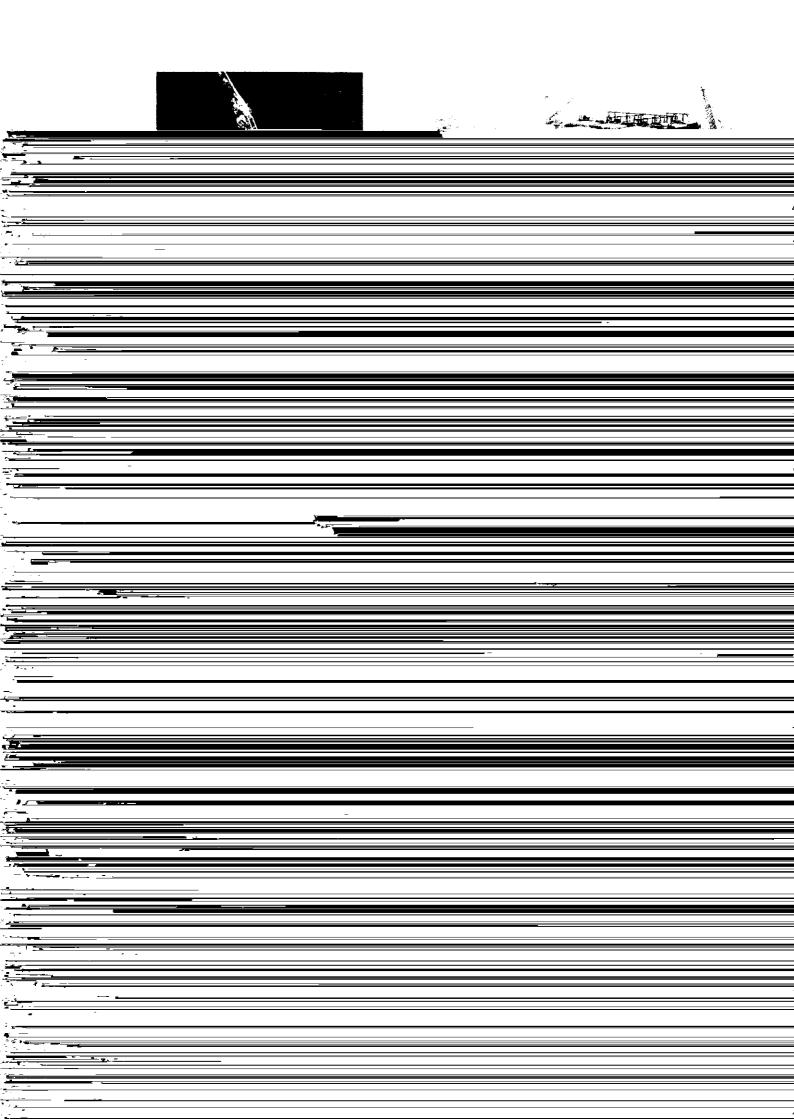
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Pre assembly of Reinforcing Steel Bar for Box Calvert 2500t (Sunits) Mud Water Treatment Facility Structure (1800) (funit) Bridge (Super Structure) 13500t (1118m)



structural bases were planned as a three-level structure assembly of the bases divided into two blocks and the mounting of the treatment facility-were conducted alterwroned of antumno trusped wirdors and floor fram

lent in economy and functionality, was adopted as the superstructure of the bridge. In the offshore part, the superstructure is characterized by 3 continuous spans

