

## Paper ID:91-75 4th Abidjan Bridge

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### ABSTRACT

4th Abidjan Bridge is a major infrastructure project under construction in Abidjan, Ivory Coast. This 7.2km long expressway will connect residential area of Yopougon (2 million people) to the business district of the city.

The project is being managed by Ageroute while a consortium made up of Setec TPI/Setec-CI/Setec International/Terrabo ingénieur conseil/Studi International manages works and design updates. China State Construction Engineering Corporation Ltd (CSCEC) is the general contractor of the project.

Two twin cast-in-place balanced cantilever girder bridges cross the Banco bay, with 90m spans and a length of 800 m each. They are followed by an interchange and a bridge climbing up to the plateau. These prestressed box girders are casted in place span by span. The whole project comprises 3.2 km of pre-stressed concrete box girders.

After an overview of the project and a brief description of the different bridges, the paper focuses on a few technical issues that punctuated their design and construction.